TETRA TECH

June 3, 2021

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

Re: Closure Report
ConocoPhillips
Phillips E State #29 Flowline Release
Unit Letter P, Section 14, Township 17 South, Range 33 East
Lea County, New Mexico
1RP-5778
Incident Identification (ID) NRM1930943618

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from the Phillips E State 29 well (API No. 30-025-25434) flowline. The release point is located approximately 50 feet (ft) west of the Phillips E State 29 lease pad, and approximately 40 feet north of the flowline header. The release footprint is located in the Public Land Survey System (PLSS) Unit Letter P, Section 14, Township 17 South, Range 33 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.829179°, -103.627889°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on October 4, 2019. As documented on the C-141 form, a flowline from the Phillips E State 29 well ruptured causing the release of approximately 5 barrels (bbls) of produced water and 1 bbl of oil encompassing an area of approximately 281 square feet (Figure 3). During initial response no volume of liquid was reported recovered. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on October 16, 2019, and subsequently assigned the Site the Remediation Permit (RP) number 1RP-5778 and Incident Identification (ID) NRM1930943618.

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 seven (7) water wells within a ½ mile (800-meter) radius of the Site with an average depth to groundwater at 151 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

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

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

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

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

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

INITIAL ASSESSMENT ACTIVITIES AND SAMPLING RESULTS

According to information provided by COP, the initial release footprint was reported as a visibly impacted area beneath the Phillips E State 29 well flowline near the header located approximately 50 feet west of the Phillips E State 29 lease pad. As a portion of initial response, in December 2019, COP personnel collected a total of eighteen (18) samples from seven (7) boring locations to attempt to achieve vertical and horizontal delineation. Four borings (SP-1 through SP-4) were installed within the release extent and samples were collected at the surface, at a depth of 1 ft bgs, and at a depth of 3 ft bgs. Additionally, three borings (BG-5 through BG-7) were completed around the release perimeter and soil samples were collected from surface and a depth of 1 ft bgs from each boring for a total of six (6). The samples were submitted to Cardinal Laboratories in Hobbs, NM and analyzed for chlorides using EPA Method SM4500Cl-B, TPH using EPA Method 8015M, and BTEX using EPA Method 8021B. The initial release extent and sample locations are shown on Figure 3.

The results of the initial assessment sampling event are summarized in Table 1. Analytical results associated with five (5) of the seven (7) boring locations exceeded the reclamation requirement for TPH (100 mg/kg) in the surface samples. The exceptions were at boring locations BG-5 and BG-6. The analytical results associated with all the soil samples collected from the release interior exceeded the reclamation concentration for TPH (100 mg/kg) in the upper three feet. SP-1, located closest to the release point, exceeded the reclamation requirement for chloride (600 mg/kg) at a depth of 1-foot bgs, and exceeded the total BTEX RRAL in the surface sample (although the benzene specific RRAL was not exceeded). All other sample results were below the Site RRALs for BTEX and chloride.

INITIAL RESPONSE

Based on the assessment data collected, evidence of historical impact was discovered outside of the identified release footprint. In accordance with 19.15.29.8. B. (4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, ConocoPhillips elected to begin remediation of the impacted area. The footprint of the release was excavated by COP personnel with heavy equipment to approximately 1 to 1.5-feet below ground surface (bgs) to remove the visually impacted soils. Approximately 200 cubic yards of visually impacted soil was excavated from within the release footprint, as well as from areas surrounding the release extent. The approximate release extent, sampling locations, and the extents of the initial response activities are shown in Figure 3.

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INITIAL REMEDIATION WORK PLAN SUBMITTAL

A Release Characterization Work Plan was prepared by COP and submitted to the NMOCD on January 9, 2020. The report described the initial assessment activities and results. The work plan was denied by Cristina Eads of the NMOCD via email on February 27, 2020. The following reasons for denial were included in the email:

"The horizontal extent of the release has not been delineated. Please keep in mind Closure Criteria for Soil Impacted by a Release include GRO+DRO as a constituent with the limit of 1000 mg/kg. Though the rule allows to keep soil in place with 1000 mg/kg GRO+DRO and 2500 mg/kg TPH, the horizonal boundaries/background samples of the release should show soil to contain no more than 100 mg/kg TPH.

The Remediation Plan pages were not included with this submittal."

ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

On March 10, 2020, Tetra Tech visited the release Site to visually inspect the release area, assess current conditions, and map the excavated extents from the initial response activities. During the visit, an approximate 80-ft by 50-ft area was observed to have been excavated to roughly 1.5 feet below the surrounding surface grade. (Figure 3).

In order to achieve horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted soil sampling on May 12, 2020 on behalf of ConocoPhillips. A total of six (6) borings (BH-1 through BH-6) were installed using an air rotary drill rig. One boring (BH-2) was intended to capture the vertical extent of contamination inside the original 1RP-5778 footprint, however, it was unclear to the field crew where the initial footprint was as a result of the existing excavation. However, BH-2 was completed just north of the original footprint. Thus, both borings BH-1 and BH-2 serve as vertical delineation for the historical impact outside of the 1RP-5778 footprint. These borings were completed within the excavated area to depths of 20 feet bgs. The remaining four (4) borings (BH-3 through BH-6) were installed around the perimeter (north, south, east, and west) of the excavated extent to horizontally delineate the both the 1RP-5778 release and the surrounding historical impact.

A total of thirty-two (32) samples were collected from the six (6) borings and submitted to Pace Analytical National Center for Testing & Innovation in Nashville, Tennessee to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C. Boring locations are shown in Figure 3.

The results of the additional assessment event are summarized in Table 2. The analytical results associated with the BH-3 boring location exceeded the Site TPH RRAL of 100 mg/kg in the 0-1' sample interval. The analytical results associated with the BH-4 boring location also exceeded the Site TPH RRAL at the 0-1' and 2-3' intervals. Both BH-3 and BH-4 are outside the footprint of the release and are assumed to represent historical legacy impact. The analytical results associated with the remainder of the samples analyzed were below the BTEX chloride or TPH Site RRALs of 50 mg/kg, 600 mg/kg and 100 mg/kg, respectively.

ADDITIONAL SITE DELINEATION AND SAMPLING RESULTS

To complete vertical delineation and achieve additional horizontal delineation of the release to the south and west, Tetra Tech personnel returned to the Site on September 17, 2020 to conduct soil sampling. A total of four (4) additional borings (BH-7 through BH-10) were installed with a combination of an air rotary rig and hand auger. Boring BH-7 was completed inside the original 1RP-5778 footprint (at a distance of 3 feet from the approximate release point) with the drilling rig. Boring BH-7 was completed at a total depth of 27' bgs.

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The remainder of the borings were located along the perimeter of the excavated area and completed with a hand auger. A total of sixteen (16) samples were collected and submitted to Pace and again analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Boring locations are shown in Figure 3.

As noted, boring BH-7 was completed to provide vertical delineation within the original release footprint. Analytical results associated with the BH-7 location exceeded the TPH RRAL of 100 mg/kg in the 0-1 and 2-3' sample intervals. Analytical results from both borings BH-8 and BH-10 were below Site RRALs and provided horizontal delineation east of BH-3. Analytical results from boring BH-9 were below Site RRALs and provided horizontal delineation to the south. Therefore, the release is fully delineated following the September 2020 additional assessment activities. Results are shown in Table 2.

REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLE PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on October 22, 2020 with fee application payment PO Number YM842-201022-C-1410. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Cristina Eads on Thursday, December 24, 2020.

Cristina Eads stated the following conditions of the approval:

- *"For areas around the sample points SP #1-4 and BH-4, the minimum depth of excavation will be 3.5' below ground surface.*
- *For the proposed 3' excavation area, samples will not represent more than 200 square feet.*
- *Samples collected from the existing excavation will need to be collected from at least 6" from the surface for floor and sidewall samples."*

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From February 25, 2021 through March 17, 2021, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Impacted soils were excavated 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. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

Per the approved Alternative Confirmation Sampling Plan and the conditions thereof, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area < 3 ft bgs and no more than 200 square feet of excavated area > 3 bgs. A total of sixteen (16) floor sample locations and fifty-one (51) sidewall sample locations were collected during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Selected areas required additional excavation to collect a representative sample that was below the respective RRALs for that location. As the analytical results associated with these sample locations exceeded the respective RRAL, additional excavation was conducted at those locations until field screening results indicated closure criteria were attained.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 1) post-additional excavation. If the sidewall area was expanded due to unacceptable confirmation sample results, the parentheses indicate the expansion iteration. For floor samples, the parentheses indicate the excavation floor depth from which the sample was collected.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace Analytical (Pace). The soil

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samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8021B, and chlorides by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

Per the NMOCD approved Work Plan and the conditions thereof, the eastern portion of the initial excavation was excavated one (1) additional foot below existing grade (for a total of 2.5 ft below surrounding grade) in the north, east, and southeast. The immediate area surrounding the release extent and the area southeast of the header was excavated three and a half (3.5) feet below pre-release grade. Areas along two steel surface lines in the release footprint were hand dug to the maximum extent practicable to remove impacted soil.

If analytical results associated with sample locations exceeded the reclamation requirements for TPH, additional excavation was conducted at those locations until field screening results indicated closure criteria were attained. Iterative confirmation samples were located to encompass the original sample locations that triggered removal post-additional excavation. Thus, a total of three (3) floor and fifteen (15) sidewall samples were collected following the additional excavation work, and final laboratory analytical results confirmed all constituents were below the established RRALs and/or reclamation requirements. The results of the February and March 2021 confirmation sampling events are summarized in Table 3. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

All the excavated material was transported offsite for proper disposal. Approximately 470 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Photographs from the excavated areas prior to backfill are provided in Appendix D. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. The remediated areas contain soil backfill consisting of suitable material to establish vegetation at the site. Copies of the waste manifests are included in Appendix E.

As prescribed in the Work Plan, the backfilled areas were seeded to aid in revegetation. Based on the soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Sandy Loam (SL) Sites Seed Mixture was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture was spread by cart-pulled seed drill equipped with a depth regulator. Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.

CONCLUSION

ConocoPhillips respectfully requests closure of this release based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities 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:

Figure 1 – Site Location Map
Figure 2 – Topographic Map
Figure 3 – Initial Response and Release Assessment
Figure 4 – Remediation Extent and Confirmation Sample Locations

Tables:

Table 1 – Summary of Analytical Results – Initial Assessment
Table 2 – Summary of Analytical Results – Additional Assessment
Table 3 – Summary of Analytical Results – Confirmation Sampling

Appendices:

Appendix A – C-141 Forms
Appendix B – Site Characterization Data
Appendix C – Laboratory Analytical Data
Appendix D – Photographic Documentation
Appendix E – Waste Manifests

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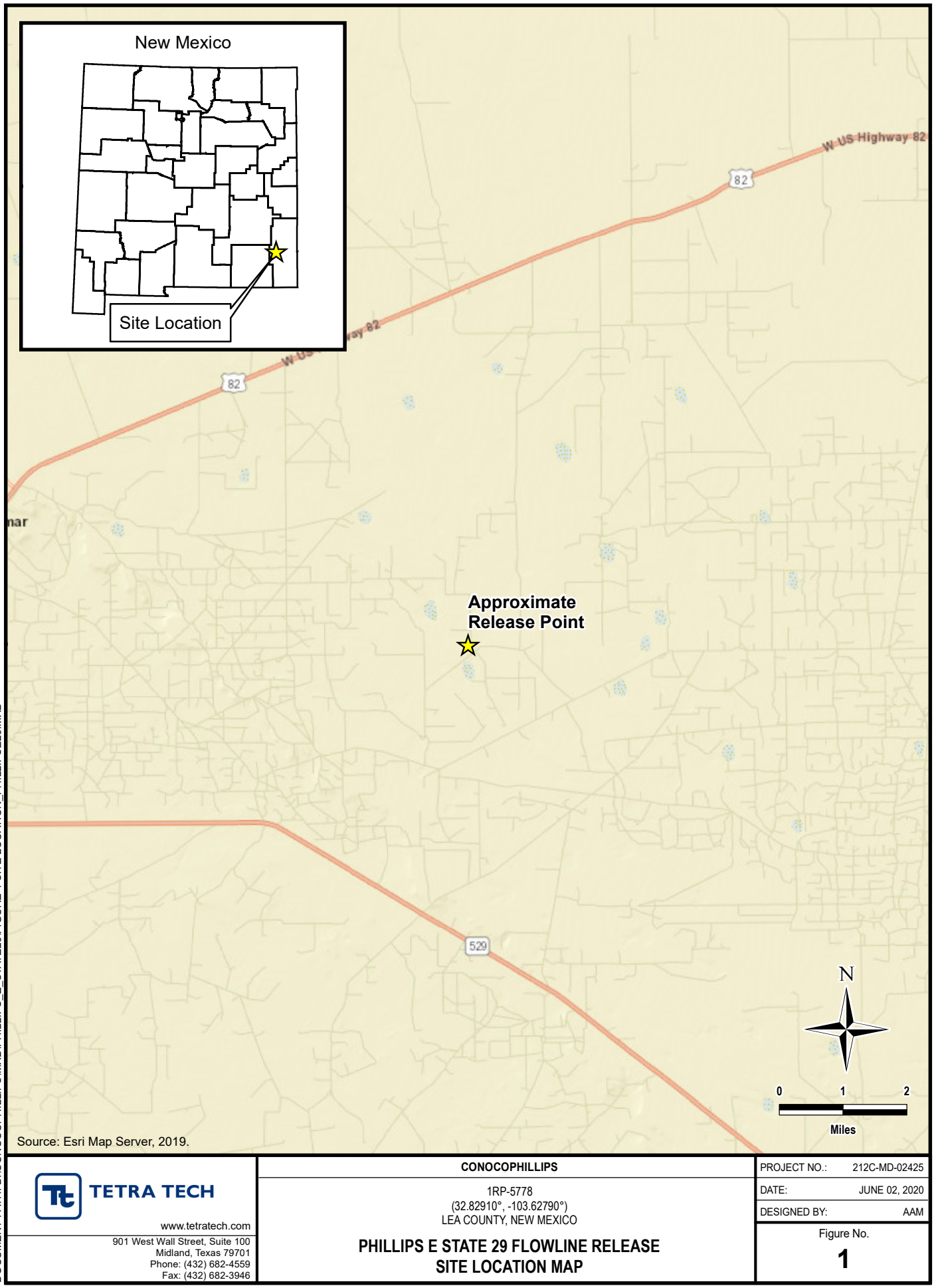
FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\PHILLIPS_E_STATE29\FIGURE 1 SITE LOCATION_PHILLIPSE29.MXD

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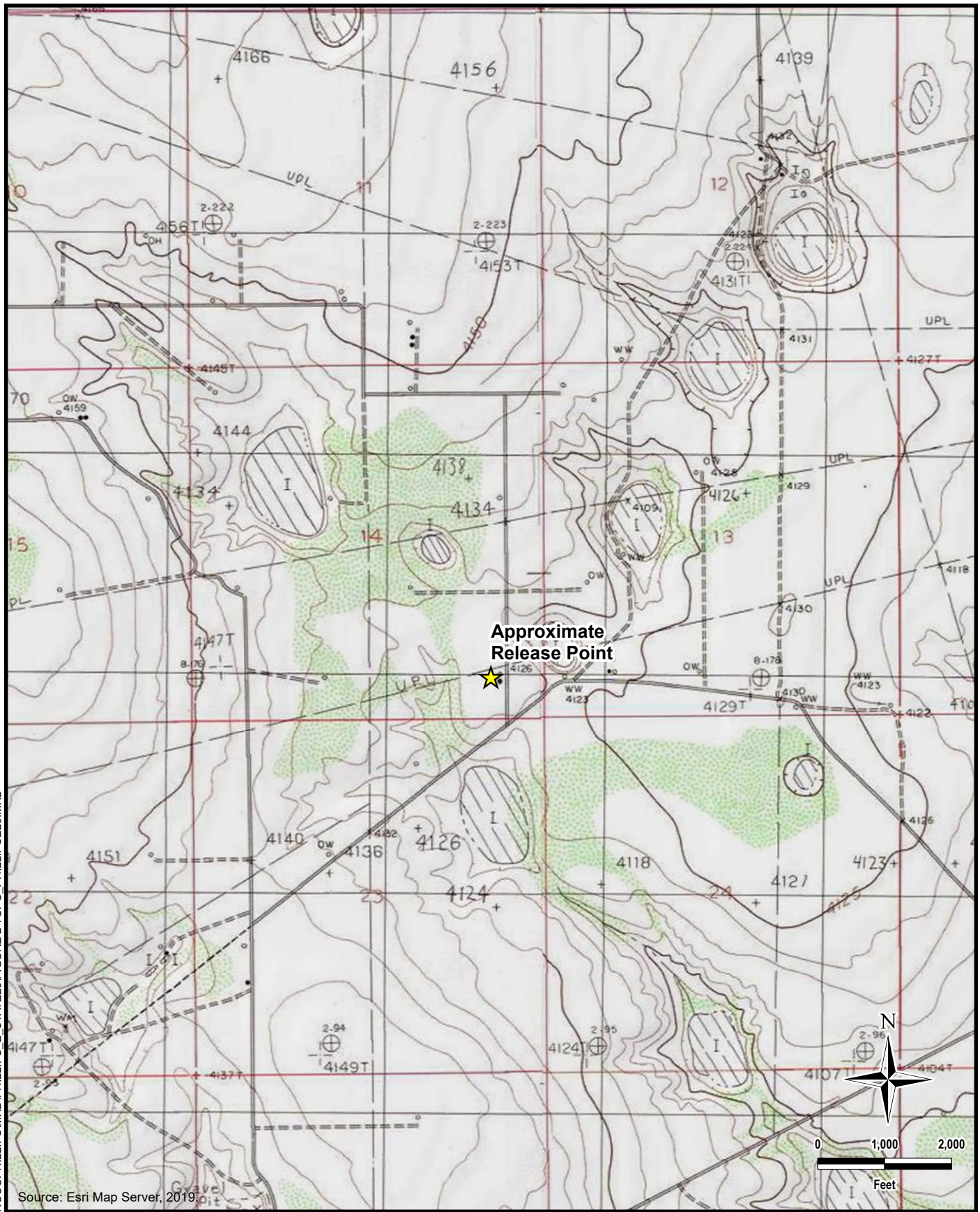
CONOCOPHILLIPS

1RP-5778
(32.82910°, -103.62790°)
LEA COUNTY, NEW MEXICO

PHILLIPS E STATE 29 FLOWLINE RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-02425
DATE:	JUNE 02, 2020
DESIGNED BY:	AAM

Figure No.
1



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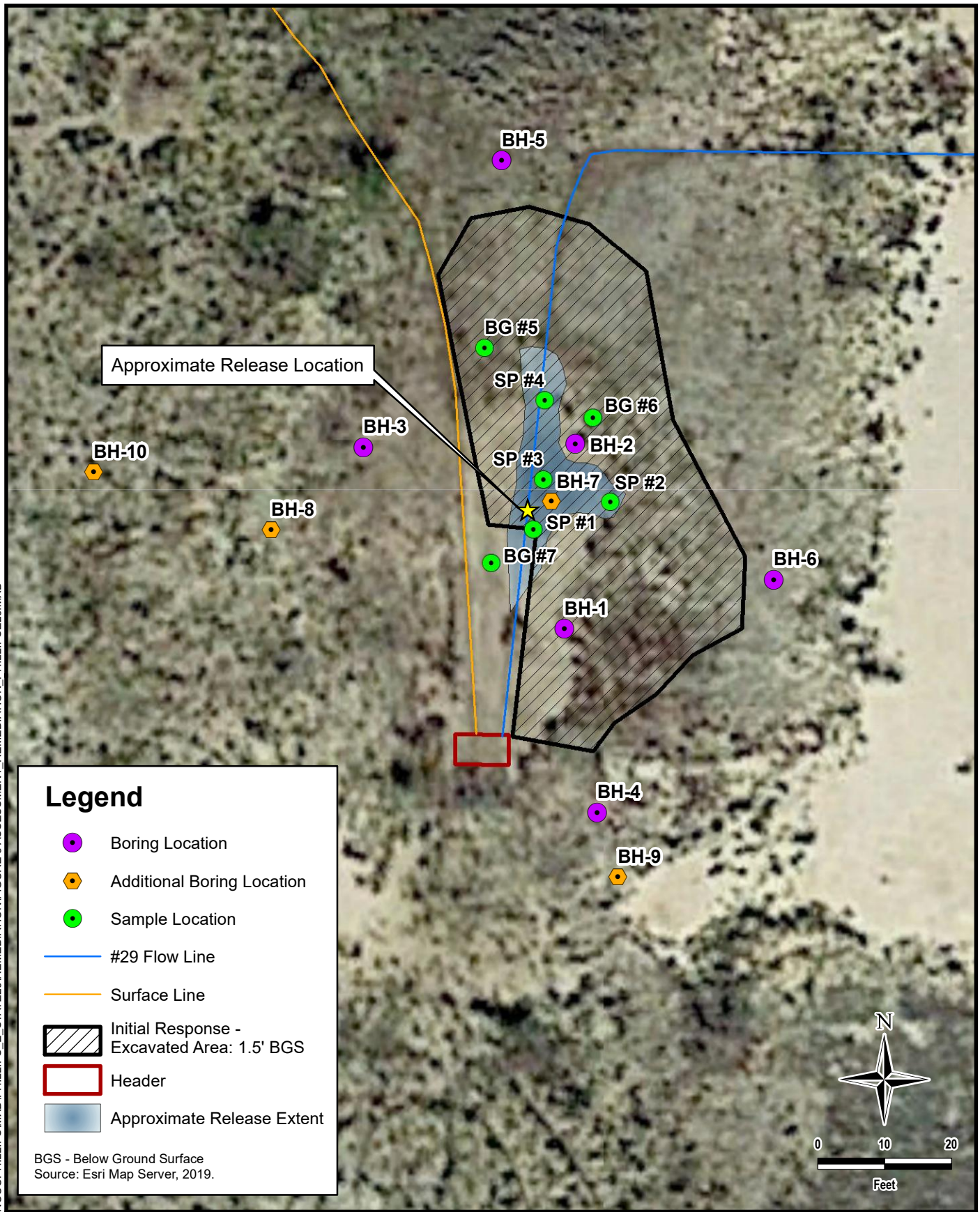
CONOCOPHILLIPS

1RP-5778
(32.82910°, -103.62790°)
LEA COUNTY, NEW MEXICO

PHILLIPS E STATE 29 FLOWLINE RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02425
DATE:	JUNE 03, 2020
DESIGNED BY:	AAM

Figure No.
2



Legend

- Boring Location
- Additional Boring Location
- Sample Location
- #29 Flow Line
- Surface Line
- Initial Response - Excavated Area: 1.5' BGS
- Header
- Approximate Release Extent

BGS - Below Ground Surface
Source: Esri Map Server, 2019.

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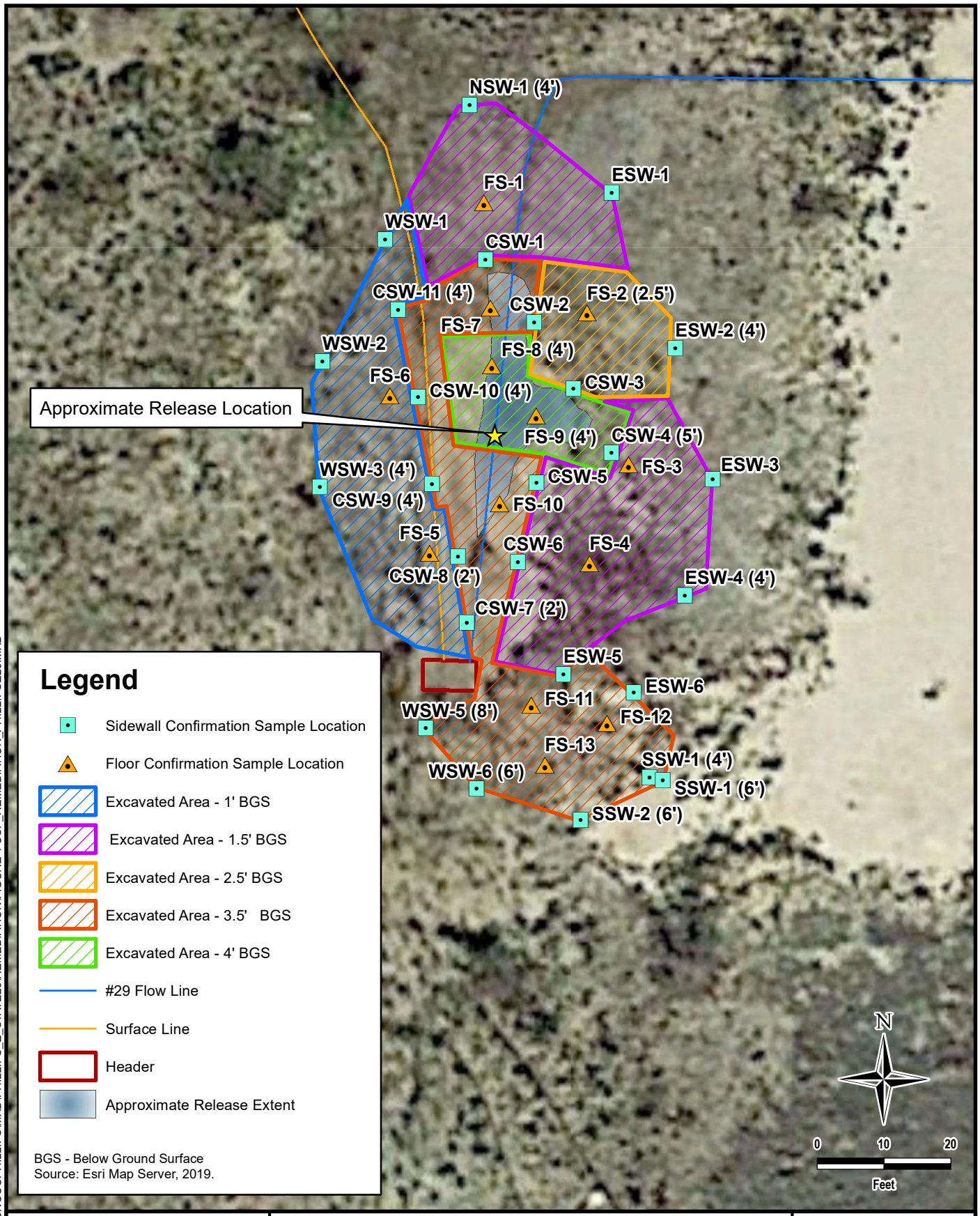
CONOCOPHILLIPS

1RP-5778
(32.829180°, -103.627891°)
LEA COUNTY, NEW MEXICO

PHILLIPS E STATE 29 FLOWLINE RELEASE
INITIAL RESPONSE AND RELEASE ASSESSMENT

PROJECT NO.:	212C-MD-02425
DATE:	MARCH 29, 2021
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\PHILLIPS_E_STATE29\REMEDIATION\FIGURE 4 CSP_REMEDIATION_PHILLIPSE29.MXD

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CONOCOPHILLIPS

1RP-5778
(32.829180°, -103.627891°)
LEA COUNTY, NEW MEXICO

PHILLIPS E STATE 29 FLOWLINE RELEASE
REMEDIATION EXTENT AND CONFIRMATION SAMPLING LOCATIONS

PROJECT NO.:	212C-MD-02425
DATE:	APRIL 27, 2021
DESIGNED BY:	AAM

Figure No.
4

TABLE

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TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT - 1RP-5778
CONOCOPHILLIPS
PHILLIPS E STATE UNIT 29 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]						
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[4] C_6 - C_{10}		DRO $>C_{10}$ - C_{28}		EXT DRO $>C_{28}$ - C_{36}		Total TPH
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
SP #1	12/19/2019	SURFACE	416		4.65		63.6		56.0		156		***281***		4920		25700		5390		***36010***
		1	***1100***		< 0.050		0.167		0.386		1.13		1.68		52.3		1120		430		***1602***
		3	576		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		626		260		***886***
SP #2	12/19/2019	SURFACE	320		< 0.200		0.721		1.87		14.4		17.0		491		19500		4360		***24351***
		1	320		< 0.050		0.339		< 0.050		10.1		10.5		687		6890		1700		***9277***
		3	176		< 0.500		< 0.500		7.43	QM-07	14.8	QM-07	22.2		490		5900		1520		***7910***
SP #3	12/19/2019	SURFACE	80.0		< 0.050		< 0.050		0.433		1.36		1.79		239		27500		5780		***33519***
		1	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 50.0		11500		2700		***14200***
		3	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		106		38.0		***144***
SP #4	12/19/2019	SURFACE	32.0		< 0.200		< 0.200		2.04		4.60		6.64		387		38400		7310		***46097***
		1	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		13.8		1120		405		***1539***
		3	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		456		153		***609***
BG #5	12/19/2019	SURFACE	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		12.2		15.9		28.1
		1	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		270		87.5		***358***
BG #6	12/19/2019	SURFACE	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		289		289		***578***
		1	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		<30.0
BG #7	12/19/2019	SURFACE	80.0		< 0.050		< 0.050		0.126		0.426		0.552		80.3		3320		745		***4145***
		1	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		432		260		***692***

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
1 Method SM4500Cl-B
2 Method 8260B
3 Method 8015M

Bold and italicized values indicate exceedance of proposed RRALs

Shaded rows indicate depth intervals proposed for excavation and remediation

QUALIFIERS:

QM-07 The spike recovery was outside acceptance limits for MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT - 1RP-5778
CONOCOPHILLIPS
PHILLIPS E STATE UNIT 29 FLOWLINE 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
BH-1	5/12/2020	2-3	195	2.8	69.3		< 0.00120		0.00168	J	< 0.00299		0.00195	J	0.00363	< 0.120		< 4.79		1.26	B J	1.26
		4-5	189	1.4	109		< 0.00105		< 0.00526		< 0.00263		< 0.00684		-	< 0.105		< 4.21		0.375	B J	0.375
		6-7	262	1.1	167		< 0.00108		< 0.00542		< 0.00271		< 0.00705		-	< 0.108		< 4.34		0.430	B J	0.430
		9-10	-	1.1	117		< 0.00107		< 0.00533		< 0.00266		< 0.00692		-	< 0.107		< 4.26		1.78	J	1.78
		14-15	-	1.3	-		-		-		-		-		-	-		-		-		-
		19-20	283	0.9	-		-		-		-		-		-	-		-		-		-
BH-2	5/12/2020	2-3	-	2.4	40.8		< 0.00107		< 0.00537		< 0.00268		< 0.00698		-	< 0.107		8.05		7.41		15.5
		4-5	188	2.1	34.3		< 0.00104		< 0.00522		< 0.00261		< 0.00678		-	< 0.104		< 4.17		0.862	J	0.862
		6-7	192	1.2	121		< 0.00113		< 0.00567		< 0.00283		< 0.00737		-	< 0.113		< 4.53		0.556	J	0.556
		9-10	141	1.4	81.4		< 0.00109		< 0.00545		< 0.00272		< 0.00708		-	< 0.109		1.90	J	1.83	J	3.73
		14-15	-	1.8	-		-		-		-		-		-	-		-		-		-
		19-20	-	1.9	-		-		-		-		-		-	-		-		-		-
BH-3	5/12/2020	0-1	394	3.4	43.7		< 0.00104		< 0.00520		< 0.00260		< 0.00675		-	0.0349	J	46.0		105		***151***
		2-3	201	0.9	121		< 0.00104		< 0.00521		< 0.00261		< 0.00678		-	0.0256	J	< 4.17		0.736	J	0.762
		4-5	169	1.1	99.8		< 0.00104		< 0.00521		< 0.00260		< 0.00677		-	0.0415	J	< 4.17		0.814	J	0.856
		6-7	180	1.4	48.0		< 0.00105		< 0.00527		< 0.00263		< 0.00685		-	< 0.105		< 4.22		1.49	J	1.49
		9-10	99.8	1.0	27.9		< 0.00106		< 0.00530		< 0.00265		< 0.00689		-	0.0578	B J	< 4.24		2.34	J	2.40
BH-4	5/12/2020	0-1	160	2.1	27.1		< 0.00104		0.00158	J	< 0.00259		< 0.00673		0.00158	0.118		52.3		117		***169***
		2-3	278	0.9	121		< 0.00131		< 0.00654		0.00366		0.0207		0.0244	0.111	B J	174		106		***280***
		4-5	212	1.8	283		< 0.00104		< 0.00522		< 0.00261		< 0.00679		-	0.0475	B J	5.51		6.46		12.0
		6-7	198	0.9	380		< 0.00104		< 0.00522		< 0.00261		< 0.00678		-	< 0.104		23.1		22.4		45.5
		9-10	181	1.1	239		< 0.00107		< 0.00534		< 0.00267		< 0.00695		-	< 0.107		2.26	J J3	1.92	J	4.18
BH-5	5/12/2020	0-1	212	2.4	33.0		< 0.00111		< 0.00553		< 0.00277		< 0.00719		-	< 0.111		6.29		10.5		16.8
		2-3	154	1.4	17.3	J	< 0.00105		< 0.00524		< 0.00262		< 0.00681		-	< 0.105		1.75	J	2.02	J	3.77
		4-5	109	1.1	22.2		< 0.00103		< 0.00515		< 0.00258		< 0.00670		-	< 0.103		< 4.12		1.05	J	1.05
		6-7	141	0.9	17.5	J	< 0.00107		< 0.00535		< 0.00267		< 0.00695		-	< 0.107		< 4.28		0.510	J	0.510
		9-10	210	1.5	91.2		< 0.00108		< 0.00541		< 0.00271		< 0.00704		-	< 0.108		< 4.33		< 4.33		-
BH-6	5/12/2020	0-1	125	1.1	< 20.6		< 0.00103		< 0.00515		< 0.00257		< 0.00669		-	< 0.103		6.43		16.0		22.4
		2-3	113	1.8	12.5	J	< 0.00103		< 0.00517		< 0.00259		< 0.00672		-	< 0.103		4.00	J	6.32	B	10.3
		4-5	101	2.1	16.3	J	< 0.00103		< 0.00516		< 0.00258		< 0.00670		-	< 0.103		< 4.13		1.58	B J	1.58
		6-7	97.3	1.2	29.0		< 0.00104		< 0.00518		< 0.00259		< 0.00674		-	< 0.104		< 4.15		1.35	B J	1.35
		9-10	91.7	0.9	37.4		< 0.00114		< 0.00570		< 0.00285		< 0.00741		-	0.0529	B J	2.66	J	0.841	B J	3.55

Released to Imaging: 8/6/2021 11:09:22 AM

Received by OCD: 6/2/2021 11:23:08 PM

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT - 1RP-5778
CONOCOPHILLIPS
PHILLIPS E STATE UNIT 29 FLOWLINE 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
BH-7	9/17/2020	0-1	-	-	168		< 0.00106		0.00157	J	0.00116	J	0.00682	J	0.00955		< 2.65		283		550		***833***
		2-3	-	-	108		0.00680	J	0.00215	J	0.00332		0.00965		0.02192		< 2.63		109		168		***277***
		4-5	-	-	20.1	J	< 0.00109		< 0.00544		< 0.00272		0.00213	J	0.00213		< 2.72		< 4.15		< 4.15		-
		6-7	154	16.4	74.2		< 0.00133		< 0.00666		< 0.00333		0.00210	J	0.00210		< 3.33		< 4.55		< 4.55		-
		9-10	87	35.3	39.1		< 0.00118		< 0.00588		< 0.00294		0.00126	J	0.00126		< 2.94		2.10	J	1.81	J	3.91
		14-15	298	8.8	34.1		< 0.00108		< 0.00540		< 0.00270		0.00177	J	0.00177		< 2.70		< 4.13		< 4.13		-
		17-18	320	3.6	-		-		-		-		-		-		-		-		-		-
		19-20	162	20.8	77.6		< 0.00130		0.00254	J	< 0.00326		0.00228	J	0.00482		< 3.26		2.48	J	1.79	J	4.27
		24-25	194	5.9	74.9		< 0.00114		< 0.00572		0.00106	J	0.00198	J	0.00304		< 2.86		< 4.29		< 4.29		-
		26-27	384	2.3	62.9		< 0.00183		< 0.00915		< 0.00458		< 0.0119		-		< 4.58		< 4.29		< 4.29		-
BH-8	9/17/2020	0-1	118	19.2	24.6		< 0.00113		< 0.00563		< 0.00281		0.00196	J	0.00196		< 2.81		2.84	J	11.3		14.14
		2-3	100	4.4	244		< 0.00108		< 0.00540		< 0.00270		< 0.00702		-		< 2.70		< 4.09		1.55	J	1.55
		3-4	141	6.2	171		< 0.00107		< 0.00537		< 0.00269		< 0.00698		-		< 2.69		< 4.10		< 4.10		-
BH-9	9/17/2020	0-1	155	5.4	< 21.3		< 0.00137		< 0.00684		< 0.00342		0.00249	J	0.00249		< 3.42		13.2		42.6		55.8
		2-3	158	9.8	68.5		< 0.00110		< 0.00549		< 0.00275		0.00131	J	0.00131		< 2.75		3.13	J	6.64		9.77
		3-4	55	11.4	10.3	J	< 0.00105		< 0.00527		< 0.00263		< 0.00685		-		< 2.63		< 4.10		1.07	J	1.07
BH-10	9/17/2020	0-1	45	180	< 21.4		< 0.00144		< 0.00722		< 0.00362		0.00133	J	0.00133		< 3.62		4.93		23.2		28.1

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
NS Interval not sampled
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

Shaded rows indicate depth intervals proposed for excavation and remediation

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.
J3 The associated batch QC was outside the established quality control range for precision.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - 1RP-5778
CONOCOPHILLIPS
PHILLIPS E STATE UNIT 29 FLOWLINE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	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	
FS-1	2/25/2021	1.5	34.5	1.9	12.5	J	< 0.00108		< 0.00538		< 0.00269		< 0.00699		-		0.0521	B J J3	15.4		52.6		68.1	
FS-2	2/25/2021	1.5	59.4	1.8	13.5	J	< 0.00106		< 0.00532		< 0.00266		< 0.00691		-		0.0580	B J J3	34.8		122		***157***	
FS-2 (2.5')*	3/5/2021	2.5	99	8.8	204		< 0.00109		0.00208	J	< 0.00272		0.00296	J	-		< 0.104		10.8		22.9		33.7	
FS-3	2/25/2021	1.5	33.9	3.0	9.72	J	< 0.00105		< 0.00527		< 0.00264		< 0.00685		-		0.0558	B J J3	9.34		27.5		36.9	
FS-4	2/25/2021	1.5	55.3	2.8	13.4	J	< 0.00110		< 0.00548		< 0.00274		< 0.00712		-		0.0546	B J J3	3.60	J	8.81		12.5	
FS-5	2/26/2021	1	111	2.1	62.2		< 0.00105		< 0.00523		< 0.00261		0.00199	B J	0.00199		< 0.102		4.27		18.5		22.8	
FS-6	2/26/2021	1	56.6	2.4	31.4		< 0.00106		< 0.00531		< 0.00266		0.00186	B J	0.00186		< 0.103		< 4.13		3.56	J	3.56	
FS-7	3/5/2021	3.5	105	11.1	57.0		< 0.00111		0.00209	J	< 0.00278		0.00354	J	0.00563		< 0.106		31.6		62.3		93.9	
FS-8	3/5/2021	3.5	117	10.9	46.8		< 0.00110		0.00185	J	< 0.00276		0.00259	J	0.00444		< 0.105		52.7		79.2		***132***	
FS-8 (4')*	3/9/2021	4	-	4.2	59.9		< 0.00209		< 0.0104		< 0.00522		< 0.0136		-		< 5.22		12.7		18.2		30.9	
FS-9	3/5/2021	3.5	112	11.6	72.7		< 0.00119		0.00203	J	< 0.00297		0.00285		0.00488		< 0.109		34.7		82.3		***117***	
FS-9 (4')*	3/9/2021	4	-	6.1	107		< 0.00152		< 0.00759		< 0.00380		< 0.00987		-		< 3.80		3.39	J	6.06		9.45	
FS-10	3/5/2021	3.5	110	7.0	75.7		< 0.00113		0.00181	J	< 0.00281		0.00228	J	0.00409		< 0.106		26.5		60.7		87.2	
FS-11	3/5/2021	3.5	297	2.4	491		< 0.00133		0.00223	J	< 0.00332		0.00303	J	0.00526		< 0.116		< 4.65		2.36	B J	2.36	
FS-12	3/5/2021	3.5	134	1.7	160		< 0.00107		0.00204	J	< 0.00268		0.00278	J	0.00482		< 0.103		3.20	J	8.24		11.4	
FS-13	3/5/2021	3.5	213	4.3	192		< 0.00108		0.00164	J	< 0.00271		0.00231	J	0.00395		< 0.104		< 4.17		2.98	B J	2.98	
CSW-1	3/5/2021	-	120	3.1	107		< 0.00114		0.00231	J	< 0.00286		0.00438	J	0.00669		0.0441	J	15.9		40.3		56.2	
CSW-2	3/5/2021	-	101	1.9	97.2		< 0.00115		0.00191	J	0.000852	J	0.00247	J	0.00523		< 0.107		15.6		49.3		64.9	
CSW-3	3/5/2021	-	143	2.7	114		< 0.00114		0.00207	J	< 0.00286		0.00286	J	0.00493		< 0.107		10.7		37.9		48.6	
CSW-4	3/5/2021	-	98	4.9	45.9		< 0.00112		0.00203	J	< 0.00280		0.00272	J	0.00475		< 0.106		30.2		75.7		***106***	
CSW-4 (5')*	3/17/2021	-			126		< 0.00158		< 0.00790		< 0.00395		< 0.0103		-		1.47	J	4.84		18.2		24.5	
CSW-5	3/5/2021	-	115	5.5	71.6		< 0.00110		0.00201	J	< 0.00275		0.00275	J	0.00476		< 0.105		23.4		59.3		82.7	
CSW-6	3/5/2021	-	112	5.2	69.2		< 0.00110		0.00192	J	< 0.00275		0.00258	J	0.00450		< 0.105		17.9		47.3		65.2	
CSW-7	3/5/2021	-	115	9.0	87.9		< 0.00110		0.00213	J	< 0.00276		0.00281	J	0.00494		< 0.105		61.2		118		***179***	
CSW-7 (2')*	3/9/2021	-	-	3.2	38.2		< 0.00195		< 0.00974		< 0.00487		< 0.0127		-		< 4.87		34.8		48.2		83.0	
CSW-8	3/5/2021	-	104	14.2	74.7		< 0.00124		0.00216	J	< 0.00309		0.00303	J	0.00519		< 0.112		46.9		102		***149***	
CSW-8 (2')*	3/9/2021	-	-	2.5	51.1		< 0.00152		< 0.00759		< 0.00380		< 0.00987		-		< 3.80		8.41		16.7		25.1	
CSW-9	3/5/2021	-	123	9.3	69.9		< 0.00112		0.00183	J	< 0.00280		0.00222	J	0.00405		< 0.106		80.7		158		***239***	
CSW-9 (2')	3/9/2021	-	-	0.4	92.5		< 0.00191		< 0.00953		< 0.00477		< 0.0124		-		< 4.77		37.3		103		***140***	
CSW-9 (4')*	3/12/2021	-			122		< 0.00113		< 0.00563		< 0.00282		< 0.00732		-		< 0.106		7.35		19.9		27.3	
CSW-10	3/5/2021	-	135	8.8	136		< 0.00111		0.00201	J	< 0.00277		0.00255	J	0.00456		< 0.105		33.2		112		***145***	
CSW-10 (2')	3/9/2021	-	-	2.9	132		< 0.00195		< 0.00973		< 0.00487		< 0.0126		-		< 4.87		74.5		205		***280***	
CSW-10 (4')*	3/12/2021	-			142		< 0.00130		< 0.00649		< 0.00324		0.00120	J	0.00120		< 0.115		8.58		21.6		30.2	
CSW-11	3/5/2021	-	162	9.6	96.4		< 0.00108		0.00182	J	< 0.00270		0.00379	J	0.00561		< 0.104		52.2		151		***203***	
CSW-11 (2')	3/9/2021	-	-	3.9	19.7	J	< 0.00150		< 0.00752		< 0.00376		< 0.00978		-		< 3.76		71.4		217		***288***	
CSW-11 (4')*	3/12/2021	-			114		< 0.00120		0.00345	J	< 0.00300		0.00171	J	0.00516		< 0.110		7.10		22.2		29.3	
NSW-1	2/25/2021	-	147	0.5	29.1		< 0.00111		< 0.00554		< 0.00277		< 0.00720		-		1.33	J3	492		920		***1413***	
NSW-1 (4')*	3/3/2021	-	21.4	2.0	47.8		< 0.00121		< 0.00607		< 0.00303		< 0.00789		-		0.0368	J	17.9		63.2		81.1	

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - 1RP-5778
CONOCOPHILLIPS
PHILLIPS E STATE UNIT 29 FLOWLINE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		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)
			Chloride	PID																				
		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
ESW-1	2/25/2021	-	147	1.2	16.6	J	< 0.00109		< 0.00546		< 0.00273		< 0.00710		-		0.623	J3	12.0		37.1		49.7
ESW-2	2/25/2021	-	148	2.4	35.3		< 0.00110		< 0.00549		< 0.00275		< 0.00714		-		0.212	B J3	34.9		162		***197***
ESW-2 (4')	3/3/2021	-	56.8	2.1	38.6		< 0.00120		< 0.00601		< 0.00300		< 0.00781		-		< 0.110		46.0		188		***234***
ESW-2 (6')*	3/9/2021	-	-	0.9	< 21.0		< 0.00127		< 0.00635		< 0.00317		< 0.00825		-		< 3.17		6.09		30.5		36.6
ESW-3	2/25/2021	-	144	2.1	46.3		< 0.00106		< 0.00528		< 0.00264		< 0.00687		-		0.131	B J3	12.1		60.7		72.9
ESW-4	2/25/2021	-	135	1.3	34.6		< 0.00110		< 0.00548		< 0.00274		< 0.00712		-		0.0987	B J J3	30.4		138		***168***
ESW-4 (4')	3/3/2021	-	71.1	2.7	58.6		< 0.00120		< 0.00599		< 0.00299		< 0.00779		-		0.0351	J	33.1		136		***169***
ESW-4 (6')*	3/9/2021	-	-	2.7	126		< 0.00172		< 0.00861		< 0.00430		< 0.0112		-		< 4.30		3.92	J	9.22		13.1
ESW-5	2/25/2021	-	418	2.3	164		< 0.00111		< 0.00555		< 0.00277		< 0.00721		-		0.112	B J3	9.84		45.0		55.0
ESW-6	2/26/2021	-	121	4.6	71.8		< 0.00106		< 0.00528		< 0.00264		0.00151	B J	0.00151		< 0.103		4.63	J3 J6	26.5		31.1
SSW-1	2/26/2021	-	50.2	2.5	< 20.5		< 0.00105		< 0.00527		< 0.00263		0.00130	B J	0.00130		< 0.103		41.6		195		***237***
SSW-1 (4')	3/3/2021	-	40.1	2.0	237		< 0.00108		< 0.00540		< 0.00270		< 0.00702		-		0.0435	J	76.0		198		***274***
SSW-1 (6')*	3/9/2021	-	-	1.8	130		< 0.00147		< 0.00735		< 0.00367		< 0.00955		-		< 3.67		6.03		7.45		13.5
SSW-2	2/26/2021	-	44.6	3.3	< 20.9		< 0.00109		< 0.00547		< 0.00273		0.00104	B J	0.00104		< 0.105		120		870		***990***
SSW-2 (4')	3/3/2021	-	33.8	2.1	159		< 0.00106		< 0.00529		< 0.00264		< 0.00687		-		0.0281	J	82.7		211		***294***
SSW-2 (6')*	3/9/2021	-	-	2.9	125		< 0.00202		< 0.0101		< 0.00507		< 0.0132		-		< 5.07		3.11	J	4.71		7.82
WSW-1	2/26/2021	-	90.1	5.8	41.7		< 0.00109		< 0.00546		< 0.00273		0.00106	B J	0.00106		< 0.105		11.6		51.0		62.6
WSW-2	2/26/2021	-	78.8	6.4	< 21.3		< 0.00113		< 0.00567		< 0.00284		< 0.00738		-		< 0.107		11.3		61.7		73.0
WSW-3	2/26/2021	-	241	4.0	79.8		< 0.00112		< 0.00560		< 0.00280		< 0.00728		-		< 0.106		37.1		235		***272***
WSW-3 (4')*	3/3/2021	-	67.2	3.3	75.4		< 0.00116		< 0.00578		< 0.00289		< 0.00752		-		0.0415	J	22.5		70.7		93.2
WSW-4	2/26/2021	-	111	5.5	20.4	J	< 0.00112		< 0.00558		< 0.00279		0.00109	B J	0.00109		< 0.106		57.5		271		***329***
WSW-4 (4')	3/3/2021	-	88.4	2.8	122		< 0.00113		< 0.00566		< 0.00283		< 0.00736		-		0.0510	J	39.5		111		***151***
WSW-4 (6')*	3/9/2021	-	-	1.1	125		< 0.00141		< 0.00704		< 0.00352		0.00187	J	0.00187		0.935	J	4.31	J	9.41		14.7
WSW-5	2/26/2021	-	108	3.1	31.5		< 0.00109		< 0.00546		< 0.00273		< 0.00710		-		< 0.105		111		638		***749***
WSW-5 (4')	3/3/2021	-	79.9	2.6	129		< 0.00112		< 0.00561		< 0.00281		< 0.00730		-		0.0281	J	72.3		208		***280***
WSW-5 (8')*	3/9/2021	-	-	2.2	< 21.0		< 0.00112		< 0.00558		< 0.00279		< 0.00726		-		0.981	J	8.20		11.6		20.8
WSW-6	2/26/2021	-	89.9	7.5	< 20.9		< 0.00109		< 0.00546		< 0.00273		< 0.00710		-		< 0.105		40.7		211		***252***
WSW-6 (4')	3/3/2021	-	63.0	1.9	120		< 0.00113		< 0.00563		< 0.00281		< 0.00731		-		0.0254	J	50.2	J6	142		***192***
WSW-6 (6')*	3/3/2021	-	-	0.8	< 20.9		< 0.00140		< 0.00699		< 0.00350		< 0.00909		-		< 3.50		6.27		22.3		28.6

NOTES:

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

Bold and italicized values indicate exceedance of proposed RRALs

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

B The same analyte is found in the associated blank.
J The identification of the analyte is acceptable; the reported value is an estimate.
J3 The associated batch QC was outside the established quality control range for precision.
J6 The sample matrix interfered with the ability to make any accurate determination; spike value is too low.

APPENDIX A
C-141 Forms

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NRM1930943618
District RP	1RP-5778
Facility ID	fGRL0916228606
Application ID	pRM1930943884

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.82910 Longitude -103.62790
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Phillips State Unit 29 Flowline leak	Site Type flowline
Date Release Discovered 10/4/19	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	14	17S	33E	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) 1	Volume Recovered (bbls) 0
☑ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Flowline rupture

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM1930943618
District RP	1RP-5778
Facility ID	fGRL0916228606
Application ID	pRM1930943884

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?

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

Yes, email sent to Bradford Billings, District 1 spill reporting email address and Dylan Rose-Coss

Initial Response

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

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

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

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

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

Printed Name: Gustavo Fejervary Title: Environmental Coordinator

Signature: Date: 10/16/19

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

OCD Only

Received by: Ramona Marcus Date: 11/05/2019

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 State of New Mexico
Page 4 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: _____

Form C-141
Page 5

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
L 01880 POD8		L	LE	3	3	3	13	17S	33E	628772	3633188	343	320		
L 01881		L	LE	3	3	3	13	17S	33E	628778	3633100*	357	242		
L 01881	R	L	LE	3	3	3	13	17S	33E	628778	3633100*	357	242		
L 01880		L	LE	3	4	3	13	17S	33E	629181	3633106*	755	245		
L 01880 S2		L	LE	2	1	3	13	17S	33E	628972	3633702*	757	235	151	84
L 01884		L	LE	1	4	3	13	17S	33E	629181	3633306*	764	250		
L 01884	R	L	LE	1	4	3	13	17S	33E	629181	3633306*	764	250		

Average Depth to Water: **151 feet**

Minimum Depth: **151 feet**

Maximum Depth: **151 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 628428.37 **Northing (Y):** 3633174.39 **Radius:** 800

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

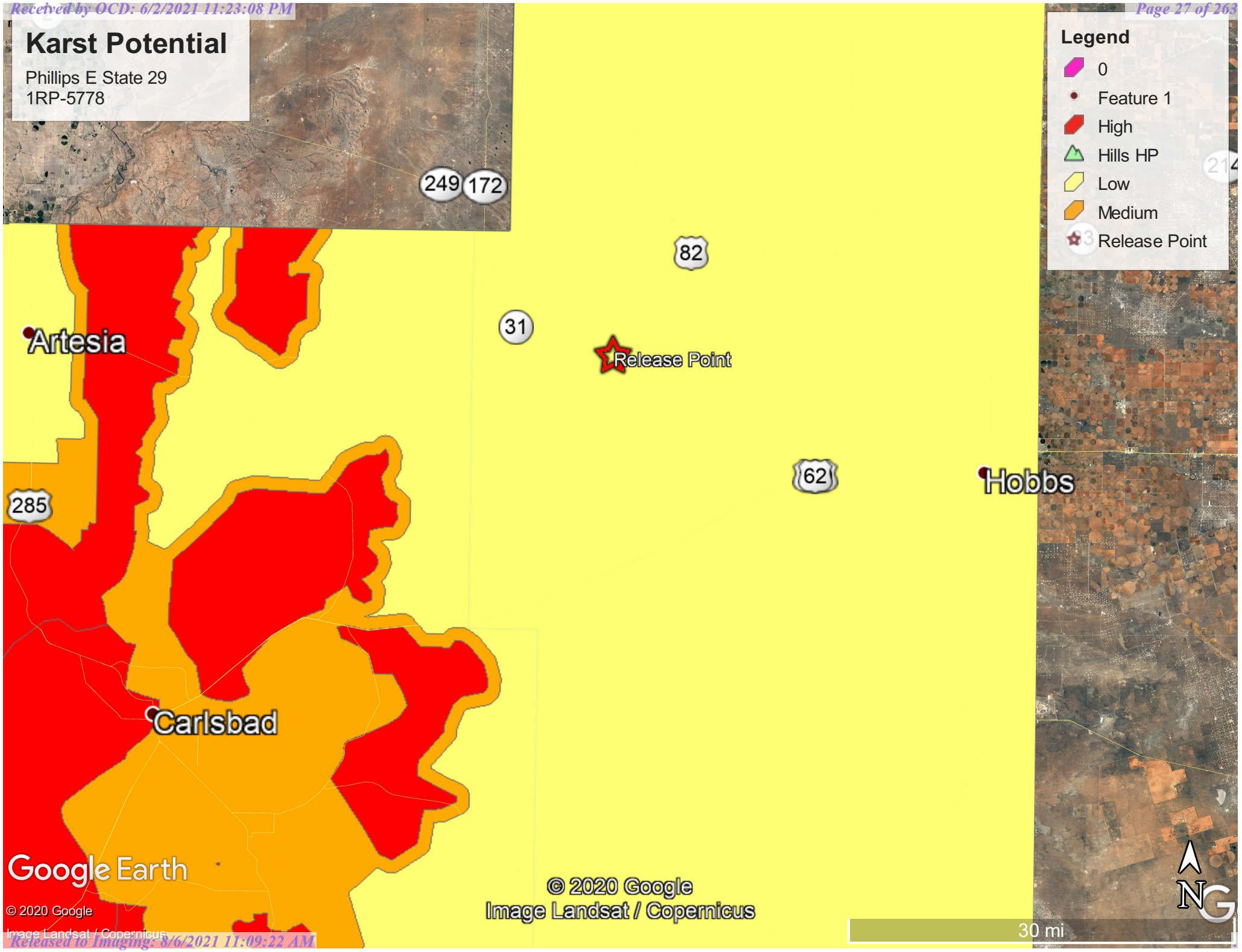
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/30/20 4:16 PM

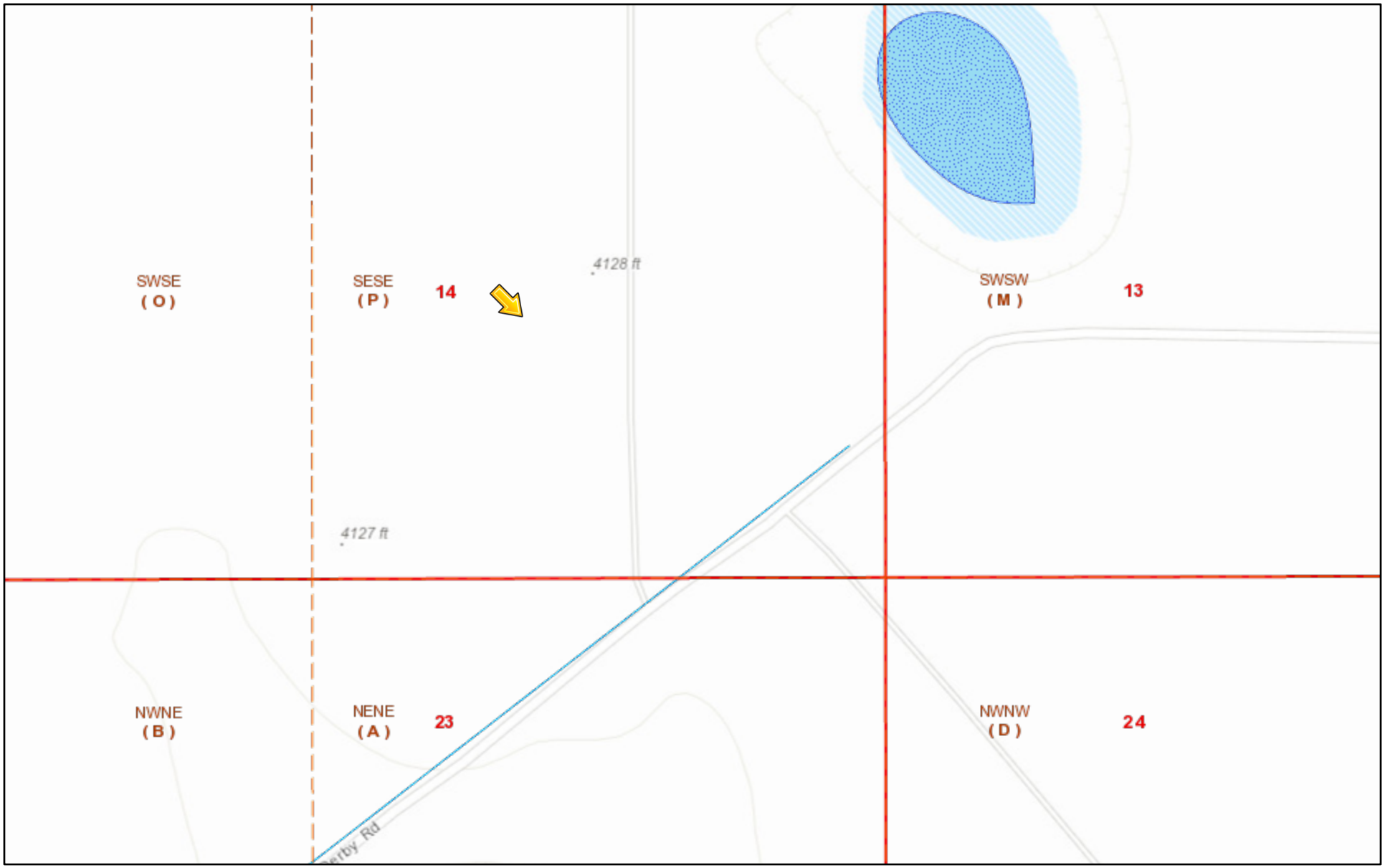
WATER COLUMN/ AVERAGE DEPTH TO WATER

Karst Potential

Phillips E State 29
1RP-5778



Water Bodies



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Override 1

OCD District Offices

PLSS First Division

PLSS Second Division

OSE Streams

OSE Water-bodies

PLJV Probable Playas

1:4,514

0 0.03 0.06 0.12 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

March 01, 2021

ConocoPhillips - Tetra Tech

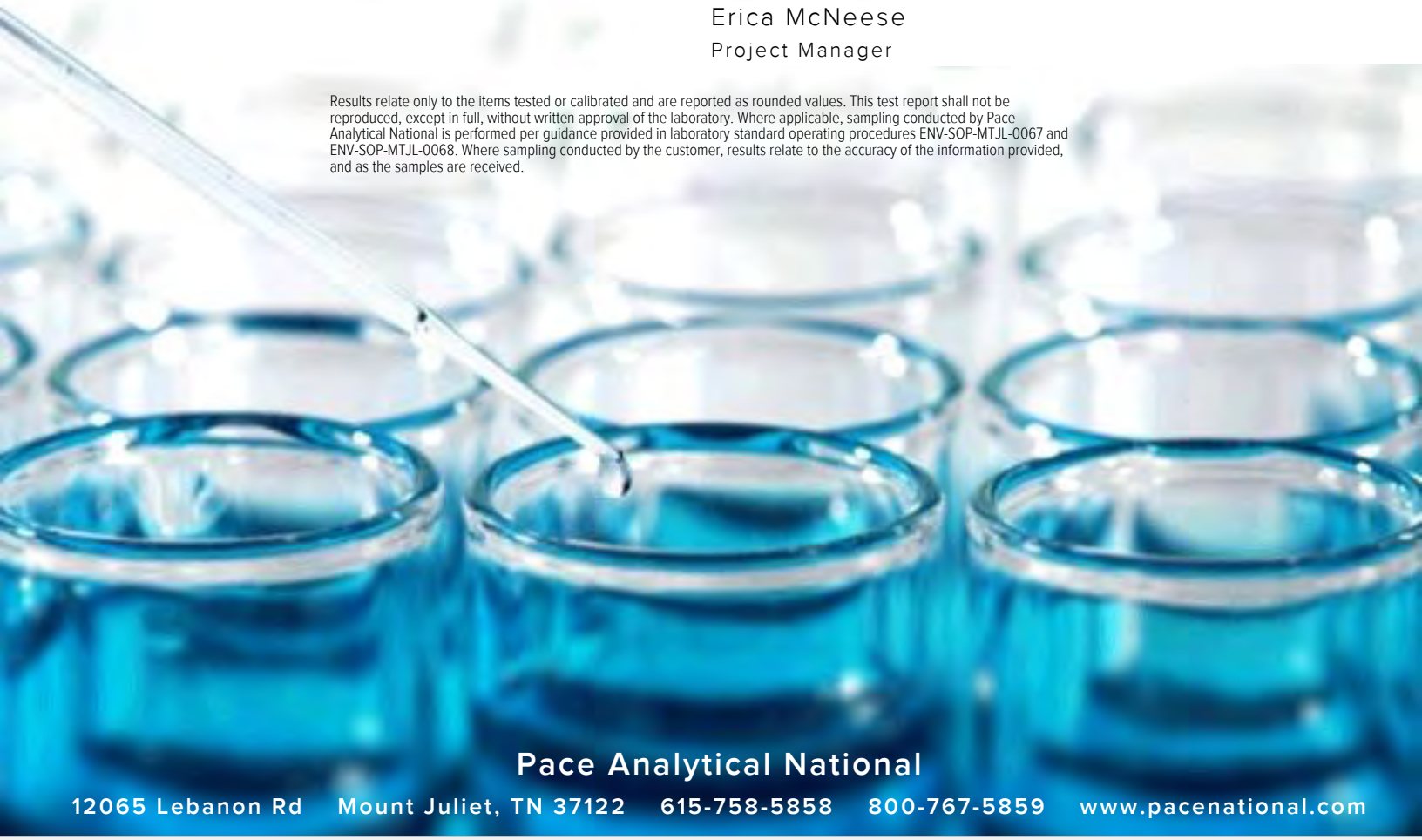
Sample Delivery Group:	L1320475
Samples Received:	02/26/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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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NSW-1 L1320475-01 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:00 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 02:24	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 05:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 13:55	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	10	02/27/21 16:53	02/28/21 14:06	CAG	Mt. Juliet, TN

ESW-1 L1320475-02 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:08 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 03:31	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 05:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 14:15	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	1	02/27/21 16:53	02/28/21 12:17	CAG	Mt. Juliet, TN

ESW-2 L1320475-03 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:16 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 03:48	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 06:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 14:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	5	02/27/21 16:53	02/28/21 16:47	TJD	Mt. Juliet, TN

ESW-3 L1320475-04 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:24 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 04:05	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 06:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 14:53	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	1	02/27/21 16:53	02/28/21 18:09	TJD	Mt. Juliet, TN

ESW-4 L1320475-05 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:32 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 04:21	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1.01	02/26/21 19:48	02/28/21 06:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 15:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	5	02/27/21 16:53	02/28/21 16:20	TJD	Mt. Juliet, TN

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

ESW-5 L1320475-06 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:40 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 05:12	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 07:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 15:31	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	1	02/27/21 16:53	02/28/21 11:50	CAG	Mt. Juliet, TN

FS-1 L1320475-07 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:48 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 05:29	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 07:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 15:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	1	02/27/21 16:53	02/28/21 18:36	TJD	Mt. Juliet, TN

FS-2 L1320475-08 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 10:56 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 05:46	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 08:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 16:10	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	5	02/27/21 16:53	02/28/21 15:26	TJD	Mt. Juliet, TN

FS-3 L1320475-09 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 11:04 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 06:03	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 08:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 16:29	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	1	02/27/21 16:53	02/28/21 17:14	TJD	Mt. Juliet, TN

FS-4 L1320475-10 Solid

Collected by: John Thurston | Collected date/time: 02/25/21 11:12 | Received date/time: 02/26/21 09:55

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1626462	1	02/26/21 14:12	02/26/21 14:23	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1626622	1	02/26/21 20:56	02/27/21 06:20	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626723	1	02/26/21 19:48	02/28/21 08:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626785	1	02/26/21 19:48	02/27/21 16:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1626714	1	02/27/21 16:53	02/28/21 17:42	TJD	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	94.9		1	02/26/2021 14:23	WG1626462

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	29.1		9.69	21.1	1	02/27/2021 02:24	WG1626622

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	1.33	J3	0.0229	0.105	1	02/28/2021 05:14	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*02/28/2021 05:14*	WG1626723

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		0.000517	0.00111	1	02/27/2021 13:55	WG1626785
Toluene	U		0.00144	0.00554	1	02/27/2021 13:55	WG1626785
Ethylbenzene	U		0.000816	0.00277	1	02/27/2021 13:55	WG1626785
Total Xylenes	U		0.000974	0.00720	1	02/27/2021 13:55	WG1626785
(S) Toluene-d8	*95.4*			*75.0-131*		*02/27/2021 13:55*	WG1626785
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*02/27/2021 13:55*	WG1626785
(S) 1,2-Dichloroethane-d4	*81.4*			*70.0-130*		*02/27/2021 13:55*	WG1626785

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	492		17.0	42.1	10	02/28/2021 14:06	WG1626714
C28-C40 Oil Range	920		2.89	42.1	10	02/28/2021 14:06	WG1626714
(S) o-Terphenyl	*46.2*			*18.0-148*		*02/28/2021 14:06*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	02/26/2021 14:23	WG1626462

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	16.6	J	9.62	20.9	1	02/27/2021 03:31	WG1626622

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	0.623	J3	0.0227	0.105	1	02/28/2021 05:38	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-120*		*02/28/2021 05:38*	WG1626723

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000510	0.00109	1	02/27/2021 14:15	WG1626785
Toluene	U		0.00142	0.00546	1	02/27/2021 14:15	WG1626785
Ethylbenzene	U		0.000805	0.00273	1	02/27/2021 14:15	WG1626785
Total Xylenes	U		0.000961	0.00710	1	02/27/2021 14:15	WG1626785
(S) Toluene-d8	*96.8*			*75.0-131*		*02/27/2021 14:15*	WG1626785
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*02/27/2021 14:15*	WG1626785
(S) 1,2-Dichloroethane-d4	*82.8*			*70.0-130*		*02/27/2021 14:15*	WG1626785

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	12.0		1.68	4.18	1	02/28/2021 12:17	WG1626714
C28-C40 Oil Range	37.1		0.287	4.18	1	02/28/2021 12:17	WG1626714
(S) o-Terphenyl	*48.3*			*18.0-148*		*02/28/2021 12:17*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	02/26/2021 14:23	WG1626462

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	35.3		9.65	21.0	1	02/27/2021 03:48	WG1626622

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	0.212	B J3	0.0228	0.105	1	02/28/2021 06:02	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*02/28/2021 06:02*	WG1626723

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000513	0.00110	1	02/27/2021 14:34	WG1626785
Toluene	U		0.00143	0.00549	1	02/27/2021 14:34	WG1626785
Ethylbenzene	U		0.000809	0.00275	1	02/27/2021 14:34	WG1626785
Total Xylenes	U		0.000966	0.00714	1	02/27/2021 14:34	WG1626785
(S) Toluene-d8	*94.6*			*75.0-131*		*02/27/2021 14:34*	WG1626785
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*02/27/2021 14:34*	WG1626785
(S) 1,2-Dichloroethane-d4	*81.7*			*70.0-130*		*02/27/2021 14:34*	WG1626785

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	34.9		8.45	21.0	5	02/28/2021 16:47	WG1626714
C28-C40 Oil Range	162		1.44	21.0	5	02/28/2021 16:47	WG1626714
(S) o-Terphenyl	*43.6*			*18.0-148*		*02/28/2021 16:47*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	02/26/2021 14:23	WG1626462

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	46.3		9.46	20.6	1	02/27/2021 04:05	WG1626622

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	0.131	B J3	0.0223	0.103	1	02/28/2021 06:26	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*02/28/2021 06:26*	WG1626723

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000494	0.00106	1	02/27/2021 14:53	WG1626785
Toluene	U		0.00137	0.00528	1	02/27/2021 14:53	WG1626785
Ethylbenzene	U		0.000779	0.00264	1	02/27/2021 14:53	WG1626785
Total Xylenes	U		0.000930	0.00687	1	02/27/2021 14:53	WG1626785
(S) Toluene-d8	*96.2*			*75.0-131*		*02/27/2021 14:53*	WG1626785
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*02/27/2021 14:53*	WG1626785
(S) 1,2-Dichloroethane-d4	*83.1*			*70.0-130*		*02/27/2021 14:53*	WG1626785

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	12.1		1.66	4.11	1	02/28/2021 18:09	WG1626714
C28-C40 Oil Range	60.7		0.282	4.11	1	02/28/2021 18:09	WG1626714
(S) o-Terphenyl	*47.1*			*18.0-148*		*02/28/2021 18:09*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	02/26/2021 14:23	WG1626462

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	34.6		9.64	21.0	1	02/27/2021 04:21	WG1626622

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	0.0987	B J J3	0.0229	0.106	1.01	02/28/2021 06:50	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*95.2*			*77.0-120*		*02/28/2021 06:50*	WG1626723

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		0.000512	0.00110	1	02/27/2021 15:12	WG1626785
Toluene	U		0.00142	0.00548	1	02/27/2021 15:12	WG1626785
Ethylbenzene	U		0.000808	0.00274	1	02/27/2021 15:12	WG1626785
Total Xylenes	U		0.000964	0.00712	1	02/27/2021 15:12	WG1626785
(S) Toluene-d8	*95.8*			*75.0-131*		*02/27/2021 15:12*	WG1626785
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*02/27/2021 15:12*	WG1626785
(S) 1,2-Dichloroethane-d4	*81.5*			*70.0-130*		*02/27/2021 15:12*	WG1626785

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	30.4		8.44	21.0	5	02/28/2021 16:20	WG1626714
C28-C40 Oil Range	138		1.44	21.0	5	02/28/2021 16:20	WG1626714
(S) o-Terphenyl	*37.9*			*18.0-148*		*02/28/2021 16:20*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.8		1	02/26/2021 14:23	WG1626462

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	164		9.70	21.1	1	02/27/2021 05:12	WG1626622

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	0.112	B J3	0.0229	0.105	1	02/28/2021 07:14	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*02/28/2021 07:14*	WG1626723

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000518	0.00111	1	02/27/2021 15:31	WG1626785
Toluene	U		0.00144	0.00555	1	02/27/2021 15:31	WG1626785
Ethylbenzene	U		0.000818	0.00277	1	02/27/2021 15:31	WG1626785
Total Xylenes	U		0.000976	0.00721	1	02/27/2021 15:31	WG1626785
(S) Toluene-d8	*95.3*			*75.0-131*		*02/27/2021 15:31*	WG1626785
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*02/27/2021 15:31*	WG1626785
(S) 1,2-Dichloroethane-d4	*81.7*			*70.0-130*		*02/27/2021 15:31*	WG1626785

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	9.84		1.70	4.22	1	02/28/2021 11:50	WG1626714
C28-C40 Oil Range	45.0		0.289	4.22	1	02/28/2021 11:50	WG1626714
(S) o-Terphenyl	*41.2*			*18.0-148*		*02/28/2021 11:50*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	02/26/2021 14:23	WG1626462

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	12.5	J	9.55	20.8	1	02/27/2021 05:29	WG1626622

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	0.0521	B J J3	0.0225	0.104	1	02/28/2021 07:38	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*77.0-120*		*02/28/2021 07:38*	WG1626723

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000502	0.00108	1	02/27/2021 15:50	WG1626785
Toluene	U		0.00140	0.00538	1	02/27/2021 15:50	WG1626785
Ethylbenzene	U		0.000792	0.00269	1	02/27/2021 15:50	WG1626785
Total Xylenes	U		0.000946	0.00699	1	02/27/2021 15:50	WG1626785
(S) Toluene-d8	*95.6*			*75.0-131*		*02/27/2021 15:50*	WG1626785
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*02/27/2021 15:50*	WG1626785
(S) 1,2-Dichloroethane-d4	*82.3*			*70.0-130*		*02/27/2021 15:50*	WG1626785

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	15.4		1.67	4.15	1	02/28/2021 18:36	WG1626714
C28-C40 Oil Range	52.6		0.284	4.15	1	02/28/2021 18:36	WG1626714
(S) o-Terphenyl	*56.9*			*18.0-148*		*02/28/2021 18:36*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.9		1	02/26/2021 14:23	WG1626462

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	13.5	J	9.49	20.6	1	02/27/2021 05:46	WG1626622

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	0.0580	B J J3	0.0224	0.103	1	02/28/2021 08:02	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*02/28/2021 08:02*	WG1626723

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		0.000497	0.00106	1	02/27/2021 16:10	WG1626785
Toluene	U		0.00138	0.00532	1	02/27/2021 16:10	WG1626785
Ethylbenzene	U		0.000784	0.00266	1	02/27/2021 16:10	WG1626785
Total Xylenes	U		0.000936	0.00691	1	02/27/2021 16:10	WG1626785
(S) Toluene-d8	*94.6*			*75.0-131*		*02/27/2021 16:10*	WG1626785
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*02/27/2021 16:10*	WG1626785
(S) 1,2-Dichloroethane-d4	*81.3*			*70.0-130*		*02/27/2021 16:10*	WG1626785

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	34.8		8.30	20.6	5	02/28/2021 15:26	WG1626714
C28-C40 Oil Range	122		1.41	20.6	5	02/28/2021 15:26	WG1626714
(S) o-Terphenyl	*54.5*			*18.0-148*		*02/28/2021 15:26*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	02/26/2021 14:23	WG1626462

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	9.72	J	9.45	20.5	1	02/27/2021 06:03	WG1626622

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	0.0558	B J J3	0.0223	0.103	1	02/28/2021 08:26	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*77.0-120*		*02/28/2021 08:26*	WG1626723

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	02/27/2021 16:29	WG1626785
Toluene	U		0.00137	0.00527	1	02/27/2021 16:29	WG1626785
Ethylbenzene	U		0.000777	0.00264	1	02/27/2021 16:29	WG1626785
Total Xylenes	U		0.000928	0.00685	1	02/27/2021 16:29	WG1626785
(S) Toluene-d8	*96.0*			*75.0-131*		*02/27/2021 16:29*	WG1626785
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*02/27/2021 16:29*	WG1626785
(S) 1,2-Dichloroethane-d4	*81.9*			*70.0-130*		*02/27/2021 16:29*	WG1626785

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	9.34		1.65	4.11	1	02/28/2021 17:14	WG1626714
C28-C40 Oil Range	27.5		0.281	4.11	1	02/28/2021 17:14	WG1626714
(S) o-Terphenyl	*60.0*			*18.0-148*		*02/28/2021 17:14*	WG1626714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	02/26/2021 14:23	WG1626462

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	13.4	J	9.64	21.0	1	02/27/2021 06:20	WG1626622

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	0.0546	B J J3	0.0227	0.105	1	02/28/2021 08:50	WG1626723
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*02/28/2021 08:50*	WG1626723

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		0.000512	0.00110	1	02/27/2021 16:48	WG1626785
Toluene	U		0.00142	0.00548	1	02/27/2021 16:48	WG1626785
Ethylbenzene	U		0.000808	0.00274	1	02/27/2021 16:48	WG1626785
Total Xylenes	U		0.000964	0.00712	1	02/27/2021 16:48	WG1626785
(S) Toluene-d8	*96.3*			*75.0-131*		*02/27/2021 16:48*	WG1626785
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*02/27/2021 16:48*	WG1626785
(S) 1,2-Dichloroethane-d4	*82.4*			*70.0-130*		*02/27/2021 16:48*	WG1626785

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	3.60	J	1.69	4.19	1	02/28/2021 17:42	WG1626714
C28-C40 Oil Range	8.81		0.287	4.19	1	02/28/2021 17:42	WG1626714
(S) o-Terphenyl	*46.5*			*18.0-148*		*02/28/2021 17:42*	WG1626714

Method Blank (MB)

(MB) R3625679-1 02/26/21 14:23

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

L1320475-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1320475-01 02/26/21 14:23 • (DUP) R3625679-3 02/26/21 14:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.9	94.1	1	0.862		10

Laboratory Control Sample (LCS)

(LCS) R3625679-2 02/26/21 14:23

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) R3625713-1 02/27/21 00:49

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

L1320475-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1320475-01 02/27/21 02:24 • (DUP) R3625713-3 02/27/21 02:40

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	29.1	27.8	1	4.72		20

L1320501-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1320501-01 02/27/21 06:37 • (DUP) R3625713-6 02/27/21 06:54

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	60.7	59.0	1	2.96		20

Laboratory Control Sample (LCS)

(LCS) R3625713-2 02/27/21 01:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	204	102	90.0-110	

L1320475-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1320475-01 02/27/21 02:24 • (MS) R3625713-4 02/27/21 02:57 • (MSD) R3625713-5 02/27/21 03:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	527	29.1	578	582	104	105	1	80.0-120			0.722	20

Method Blank (MB)

(MB) R3625855-3 02/27/21 23:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0410	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*

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

(LCS) R3625855-1 02/27/21 22:27 • (LCSD) R3625855-2 02/27/21 22:51

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	4.30	5.44	78.2	98.9	72.0-127		J3	23.4	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*108*	*77.0-120*				

L1320360-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1320360-02 02/28/21 02:27 • (MS) R3625855-4 02/28/21 10:25 • (MSD) R3625855-5 02/28/21 10:49

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	4.73	1.91	4.81	4.59	102	97.0	1	10.0-151			4.68	28
(S) a,a,a-Trifluorotoluene(FID)					*118*	*108*		*77.0-120*				

Method Blank (MB)

(MB) R3625834-3 02/27/21 10:22

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	*95.0*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*

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

(LCS) R3625834-1 02/27/21 09:05 • (LCSD) R3625834-2 02/27/21 09:24

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	0.135	0.130	108	104	70.0-123			3.77	20
Ethylbenzene	0.125	0.115	0.112	92.0	89.6	74.0-126			2.64	20
Toluene	0.125	0.116	0.113	92.8	90.4	75.0-121			2.62	20
Xylenes, Total	0.375	0.329	0.303	87.7	80.8	72.0-127			8.23	20
(S) Toluene-d8				*91.9*	*93.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.7*	*95.7*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*92.3*	*88.4*	*70.0-130*				

L1320588-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1320588-01 02/27/21 18:43 • (MS) R3625834-4 02/27/21 19:21 • (MSD) R3625834-5 02/27/21 19:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.113	U	0.0892	0.0348	78.9	30.8	1	10.0-149		J3	87.7	37
Ethylbenzene	0.113	U	0.0804	0.0297	71.2	26.3	1	10.0-160		J3	92.1	38
Toluene	0.113	U	0.0799	0.0317	70.7	28.1	1	10.0-156		J3	86.4	38
Xylenes, Total	0.337	U	0.210	0.0871	62.3	25.8	1	10.0-160		J3	82.7	38
(S) Toluene-d8					*94.6*	*97.0*		*75.0-131*				
(S) 4-Bromofluorobenzene					*95.3*	*96.8*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*83.4*	*84.1*		*70.0-130*				

Method Blank (MB)

(MB) R3625843-1 02/28/21 06:39

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	*58.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3625843-2 02/28/21 06:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	29.0	58.0	50.0-150	
(S) o-Terphenyl			*79.3*	*18.0-148*	

L1320467-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1320467-02 02/28/21 08:54 • (MS) R3625843-3 02/28/21 08:13 • (MSD) R3625843-4 02/28/21 08:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.8	491	748	1080	450	1050	5	50.0-150	V	J3 V	36.7	20
(S) o-Terphenyl					*43.8*	*53.8*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
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Texas	T104704328-20-18

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

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-

1245

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
L1326475		YEAR: 2021																																
-01	NSW-1	2/25/2021	10:00		X				X			1	N	X		X											X							
02	ESW-1	2/25/2021	10:08		X				X			1	N	X		X											X							
03	ESW-2	2/25/2021	10:16		X				X			1	N	X		X											X							
04	ESW-3	2/25/2021	10:24		X				X			1	N	X		X											X							
05	ESW-4	2/25/2021	10:32		X				X			1	N	X		X											X							
06	ESW-5	2/25/2021	10:40		X				X			1	N	X		X											X							
07	FS-1	2/25/2021	10:48		X				X			1	N	X		X											X							
08	FS-2	2/25/2021	10:56		X				X			1	N	X		X											X							
09	FS-3	2/25/2021	11:04		X				X			1	N	X		X											X							
10	FS-4	2/25/2021	11:12		X				X			1	N	X		X											X							

Relinquished by:	Date: 2/25/21	Time: 1300	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by: Date: 02/26/21 Time: 09:55

ORIGINAL COPY

LAB USE ONLY

Sample Temperature .7-1=.6

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 0513 0874

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPIETRA	L1320475	
Cooler Received/Opened On: 2 / 26 / 21 Temperature:	.6	
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

March 02, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1321044
Samples Received:	02/27/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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

Entire Report Reviewed By:

Chris McCord
Project Manager

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

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

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FS-5 L1321044-01 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:00
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 17:54	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1627521	1	02/27/21 13:35	03/02/21 05:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 01:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	1	02/28/21 16:15	03/01/21 12:35	AEG	Mt. Juliet, TN

FS-6 L1321044-02 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:08
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 18:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 02:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 02:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	1	02/28/21 16:15	03/01/21 08:59	AEG	Mt. Juliet, TN

ESW-6 L1321044-03 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:16
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 18:42	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 03:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 02:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	1	02/28/21 16:15	03/01/21 09:13	AEG	Mt. Juliet, TN

SSW-1 L1321044-04 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:24
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 18:51	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1627521	1	02/27/21 13:35	03/02/21 05:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 02:44	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	2	02/28/21 16:15	03/01/21 10:34	AEG	Mt. Juliet, TN

SSW-2 L1321044-05 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:32
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 19:01	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 03:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 03:03	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	20	02/28/21 16:15	03/01/21 11:54	AEG	Mt. Juliet, TN

WSW-1 L1321044-06 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:40
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 19:29	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1627521	1	02/27/21 13:35	03/02/21 06:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 03:22	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	1	02/28/21 16:15	03/01/21 09:53	AEG	Mt. Juliet, TN

WSW-2 L1321044-07 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:48
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 19:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1627521	1	02/27/21 13:35	03/02/21 06:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 03:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	1	02/28/21 16:15	03/01/21 10:07	AEG	Mt. Juliet, TN

WSW-3 L1321044-08 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 10:56
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 19:48	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 04:51	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 04:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	2	02/28/21 16:15	03/01/21 10:47	AEG	Mt. Juliet, TN

WSW-4 L1321044-09 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 11:04
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627352	1	03/01/21 09:09	03/01/21 09:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 19:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 05:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 04:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	2	02/28/21 16:15	03/01/21 11:01	AEG	Mt. Juliet, TN

WSW-5 L1321044-10 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 11:12
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627353	1	03/01/21 09:00	03/01/21 09:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 20:07	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 05:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 04:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	20	02/28/21 16:15	03/01/21 12:08	AEG	Mt. Juliet, TN

SAMPLE SUMMARY

WSW-6 L1321044-11 Solid

Collected by: John Thurston
Collected date/time: 02/26/21 11:20
Received date/time: 02/27/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1627353	1	03/01/21 09:00	03/01/21 09:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1627510	1	03/01/21 14:06	03/01/21 20:26	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1626726	1	02/27/21 13:35	03/01/21 05:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1626911	1	02/27/21 13:35	02/28/21 04:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1627077	2	02/28/21 16:15	03/01/21 11:14	AEG	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	97.8		1	03/01/2021 09:19	WG1627352

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	62.2		9.41	20.5	1	03/01/2021 17:54	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0222	0.102	1	03/02/2021 05:20	WG1627521
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*03/02/2021 05:20*	WG1627521

Sample Narrative:

L1321044-01 WG1627521: Previous run also had low IS/SURR recovery. Matrix effect.

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		0.000488	0.00105	1	02/28/2021 01:47	WG1626911
Toluene	U		0.00136	0.00523	1	02/28/2021 01:47	WG1626911
Ethylbenzene	U		0.000771	0.00261	1	02/28/2021 01:47	WG1626911
Total Xylenes	0.00199	B J	0.000920	0.00680	1	02/28/2021 01:47	WG1626911
(S) Toluene-d8	*102*			*75.0-131*		*02/28/2021 01:47*	WG1626911
(S) 4-Bromofluorobenzene	*94.6*			*67.0-138*		*02/28/2021 01:47*	WG1626911
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*02/28/2021 01:47*	WG1626911

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	4.27		1.65	4.09	1	03/01/2021 12:35	WG1627077
C28-C40 Oil Range	18.5		0.280	4.09	1	03/01/2021 12:35	WG1627077
(S) o-Terphenyl	*49.7*			*18.0-148*		*03/01/2021 12:35*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.0		1	03/01/2021 09:19	WG1627352

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	31.4		9.49	20.6	1	03/01/2021 18:32	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0224	0.103	1	03/01/2021 02:17	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*77.0-120*		*03/01/2021 02:17*	WG1626726

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000496	0.00106	1	02/28/2021 02:07	WG1626911
Toluene	U		0.00138	0.00531	1	02/28/2021 02:07	WG1626911
Ethylbenzene	U		0.000783	0.00266	1	02/28/2021 02:07	WG1626911
Total Xylenes	0.00186	B J	0.000935	0.00691	1	02/28/2021 02:07	WG1626911
(S) Toluene-d8	*101*			*75.0-131*		*02/28/2021 02:07*	WG1626911
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*02/28/2021 02:07*	WG1626911
(S) 1,2-Dichloroethane-d4	*83.9*			*70.0-130*		*02/28/2021 02:07*	WG1626911

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	03/01/2021 08:59	WG1627077
C28-C40 Oil Range	3.56	J	0.283	4.13	1	03/01/2021 08:59	WG1627077
(S) o-Terphenyl	*45.6*			*18.0-148*		*03/01/2021 08:59*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.3		1	03/01/2021 09:19	WG1627352

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	71.8		9.46	20.6	1	03/01/2021 18:42	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0223	0.103	1	03/01/2021 03:01	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*77.0-120*		*03/01/2021 03:01*	WG1626726

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		0.000493	0.00106	1	02/28/2021 02:25	WG1626911
Toluene	U		0.00137	0.00528	1	02/28/2021 02:25	WG1626911
Ethylbenzene	U		0.000779	0.00264	1	02/28/2021 02:25	WG1626911
Total Xylenes	0.00151	B J	0.000930	0.00687	1	02/28/2021 02:25	WG1626911
(S) Toluene-d8	*98.0*			*75.0-131*		*02/28/2021 02:25*	WG1626911
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/28/2021 02:25*	WG1626911
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*02/28/2021 02:25*	WG1626911

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	4.63	J3 J6	1.66	4.11	1	03/01/2021 09:13	WG1627077
C28-C40 Oil Range	26.5		0.282	4.11	1	03/01/2021 09:13	WG1627077
(S) o-Terphenyl	*41.2*			*18.0-148*		*03/01/2021 09:13*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	03/01/2021 09:19	WG1627352

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		9.45	20.5	1	03/01/2021 18:51	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0223	0.103	1	03/02/2021 05:42	WG1627521
(S) a,a,a-Trifluorotoluene(FID)	*94.7*			*77.0-120*		*03/02/2021 05:42*	WG1627521

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	02/28/2021 02:44	WG1626911
Toluene	U		0.00137	0.00527	1	02/28/2021 02:44	WG1626911
Ethylbenzene	U		0.000777	0.00263	1	02/28/2021 02:44	WG1626911
Total Xylenes	0.00130	B J	0.000927	0.00685	1	02/28/2021 02:44	WG1626911
(S) Toluene-d8	*96.9*			*75.0-131*		*02/28/2021 02:44*	WG1626911
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/28/2021 02:44*	WG1626911
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*02/28/2021 02:44*	WG1626911

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	41.6		3.31	8.21	2	03/01/2021 10:34	WG1627077
C28-C40 Oil Range	195		0.563	8.21	2	03/01/2021 10:34	WG1627077
(S) o-Terphenyl	*45.3*			*18.0-148*		*03/01/2021 10:34*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	03/01/2021 09:19	WG1627352

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		9.63	20.9	1	03/01/2021 19:01	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	03/01/2021 03:45	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*03/01/2021 03:45*	WG1626726

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	02/28/2021 03:03	WG1626911
Toluene	U		0.00142	0.00547	1	02/28/2021 03:03	WG1626911
Ethylbenzene	U		0.000806	0.00273	1	02/28/2021 03:03	WG1626911
Total Xylenes	0.00104	B J	0.000962	0.00711	1	02/28/2021 03:03	WG1626911
(S) Toluene-d8	*96.2*			*75.0-131*		*02/28/2021 03:03*	WG1626911
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/28/2021 03:03*	WG1626911
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*02/28/2021 03:03*	WG1626911

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	120		33.7	83.7	20	03/01/2021 11:54	WG1627077
C28-C40 Oil Range	870		5.74	83.7	20	03/01/2021 11:54	WG1627077
(S) o-Terphenyl	*64.2*	J7		*18.0-148*		*03/01/2021 11:54*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	03/01/2021 09:19	WG1627352

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	41.7		9.62	20.9	1	03/01/2021 19:29	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	03/02/2021 06:04	WG1627521
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*77.0-120*		*03/02/2021 06:04*	WG1627521

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000510	0.00109	1	02/28/2021 03:22	WG1626911
Toluene	U		0.00142	0.00546	1	02/28/2021 03:22	WG1626911
Ethylbenzene	U		0.000805	0.00273	1	02/28/2021 03:22	WG1626911
Total Xylenes	0.00106	B J	0.000961	0.00710	1	02/28/2021 03:22	WG1626911
(S) Toluene-d8	*95.8*			*75.0-131*		*02/28/2021 03:22*	WG1626911
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/28/2021 03:22*	WG1626911
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*02/28/2021 03:22*	WG1626911

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	11.6		1.68	4.18	1	03/01/2021 09:53	WG1627077
C28-C40 Oil Range	51.0		0.287	4.18	1	03/01/2021 09:53	WG1627077
(S) o-Terphenyl	*51.3*			*18.0-148*		*03/01/2021 09:53*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	03/01/2021 09:19	WG1627352

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		9.82	21.3	1	03/01/2021 19:39	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0232	0.107	1	03/02/2021 06:27	WG1627521
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*77.0-120*		*03/02/2021 06:27*	WG1627521

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000530	0.00113	1	02/28/2021 03:41	WG1626911
Toluene	U		0.00148	0.00567	1	02/28/2021 03:41	WG1626911
Ethylbenzene	U		0.000836	0.00284	1	02/28/2021 03:41	WG1626911
Total Xylenes	U		0.000999	0.00738	1	02/28/2021 03:41	WG1626911
(S) Toluene-d8	*94.5*			*75.0-131*		*02/28/2021 03:41*	WG1626911
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/28/2021 03:41*	WG1626911
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*02/28/2021 03:41*	WG1626911

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	11.3		1.72	4.27	1	03/01/2021 10:07	WG1627077
C28-C40 Oil Range	61.7		0.292	4.27	1	03/01/2021 10:07	WG1627077
(S) o-Terphenyl	*54.5*			*18.0-148*		*03/01/2021 10:07*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	03/01/2021 09:19	WG1627352

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	79.8		9.75	21.2	1	03/01/2021 19:48	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	03/01/2021 04:51	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-120*		*03/01/2021 04:51*	WG1626726

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000523	0.00112	1	02/28/2021 04:00	WG1626911
Toluene	U		0.00146	0.00560	1	02/28/2021 04:00	WG1626911
Ethylbenzene	U		0.000826	0.00280	1	02/28/2021 04:00	WG1626911
Total Xylenes	U		0.000986	0.00728	1	02/28/2021 04:00	WG1626911
(S) Toluene-d8	*98.9*			*75.0-131*		*02/28/2021 04:00*	WG1626911
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*02/28/2021 04:00*	WG1626911
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*		*02/28/2021 04:00*	WG1626911

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	37.1		3.41	8.48	2	03/01/2021 10:47	WG1627077
C28-C40 Oil Range	235		0.581	8.48	2	03/01/2021 10:47	WG1627077
(S) o-Terphenyl	*55.6*			*18.0-148*		*03/01/2021 10:47*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	03/01/2021 09:19	WG1627352

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	20.4	J	9.73	21.2	1	03/01/2021 19:58	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0229	0.106	1	03/01/2021 05:13	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*90.9*			*77.0-120*		*03/01/2021 05:13*	WG1626726

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000521	0.00112	1	02/28/2021 04:19	WG1626911
Toluene	U		0.00145	0.00558	1	02/28/2021 04:19	WG1626911
Ethylbenzene	U		0.000822	0.00279	1	02/28/2021 04:19	WG1626911
Total Xylenes	0.00109	B J	0.000981	0.00725	1	02/28/2021 04:19	WG1626911
(S) Toluene-d8	*95.6*			*75.0-131*		*02/28/2021 04:19*	WG1626911
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/28/2021 04:19*	WG1626911
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*02/28/2021 04:19*	WG1626911

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	57.5		3.41	8.46	2	03/01/2021 11:01	WG1627077
C28-C40 Oil Range	271		0.580	8.46	2	03/01/2021 11:01	WG1627077
(S) o-Terphenyl	*50.3*			*18.0-148*		*03/01/2021 11:01*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	03/01/2021 09:08	WG1627353

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	31.5		9.63	20.9	1	03/01/2021 20:07	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	03/01/2021 05:35	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*77.0-120*		*03/01/2021 05:35*	WG1626726

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000510	0.00109	1	02/28/2021 04:38	WG1626911
Toluene	U		0.00142	0.00546	1	02/28/2021 04:38	WG1626911
Ethylbenzene	U		0.000805	0.00273	1	02/28/2021 04:38	WG1626911
Total Xylenes	U		0.000961	0.00710	1	02/28/2021 04:38	WG1626911
(S) Toluene-d8	*95.4*			*75.0-131*		*02/28/2021 04:38*	WG1626911
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/28/2021 04:38*	WG1626911
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*02/28/2021 04:38*	WG1626911

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	111		33.7	83.7	20	03/01/2021 12:08	WG1627077
C28-C40 Oil Range	638		5.73	83.7	20	03/01/2021 12:08	WG1627077
(S) o-Terphenyl	*64.4*	J7		*18.0-148*		*03/01/2021 12:08*	WG1627077

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	03/01/2021 09:08	WG1627353

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		9.62	20.9	1	03/01/2021 20:26	WG1627510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	03/01/2021 05:57	WG1626726
(S) a,a,a-Trifluorotoluene(FID)	*90.6*			*77.0-120*		*03/01/2021 05:57*	WG1626726

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000510	0.00109	1	02/28/2021 04:57	WG1626911
Toluene	U		0.00142	0.00546	1	02/28/2021 04:57	WG1626911
Ethylbenzene	U		0.000805	0.00273	1	02/28/2021 04:57	WG1626911
Total Xylenes	U		0.000961	0.00710	1	02/28/2021 04:57	WG1626911
(S) Toluene-d8	*102*			*75.0-131*		*02/28/2021 04:57*	WG1626911
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*02/28/2021 04:57*	WG1626911
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*02/28/2021 04:57*	WG1626911

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	40.7		3.37	8.37	2	03/01/2021 11:14	WG1627077
C28-C40 Oil Range	211		0.573	8.37	2	03/01/2021 11:14	WG1627077
(S) o-Terphenyl	*60.3*			*18.0-148*		*03/01/2021 11:14*	WG1627077

Method Blank (MB)

(MB) R3626347-1 03/01/21 09:19

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

L1320999-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1320999-01 03/01/21 09:19 • (DUP) R3626347-3 03/01/21 09:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.9	85.5	1	2.79		10

Laboratory Control Sample (LCS)

(LCS) R3626347-2 03/01/21 09:19

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) R3626345-1 03/01/21 09:08

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

L1321061-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1321061-01 03/01/21 09:08 • (DUP) R3626345-3 03/01/21 09:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	55.6	55.1	1	0.947		10

Laboratory Control Sample (LCS)

(LCS) R3626345-2 03/01/21 09:08

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

Method Blank (MB)

(MB) R3626342-1 03/01/21 17:25

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

L1321044-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1321044-01 03/01/21 17:54 • (DUP) R3626342-3 03/01/21 18:04

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	62.2	58.5	1	6.22		20

L1321044-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1321044-10 03/01/21 20:07 • (DUP) R3626342-6 03/01/21 20:17

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	31.5	33.4	1	5.69		20

Laboratory Control Sample (LCS)

(LCS) R3626342-2 03/01/21 17:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	190	95.1	90.0-110	

L1321044-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1321044-01 03/01/21 17:54 • (MS) R3626342-4 03/01/21 18:13 • (MSD) R3626342-5 03/01/21 18:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	511	62.2	572	565	99.6	98.2	1	80.0-120			1.26	20

Method Blank (MB)

(MB) R3626042-2 03/01/21 00:33

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)	*99.4*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3626042-1 02/28/21 23:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.11	111	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*115*	*77.0-120*	

L1320002-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1320002-01 03/01/21 06:20 • (MS) R3626042-3 03/01/21 09:38 • (MSD) R3626042-4 03/01/21 10:00

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	121	U	129	132	107	109	25	10.0-151			2.30	28
(S) a,a,a-Trifluorotoluene(FID)					*112*	*113*		*77.0-120*				

Sample Narrative:

OS: MEOH prep only

Method Blank (MB)

(MB) R3626350-2 03/02/21 04:01

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)	*98.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3626350-1 03/02/21 03:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.89	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*115*	*77.0-120*	

Method Blank (MB)

(MB) R3626121-2 02/28/21 01:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	0.00232	J	0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3626121-1 02/28/21 00:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.126	101	70.0-123	
Ethylbenzene	0.125	0.128	102	74.0-126	
Toluene	0.125	0.117	93.6	75.0-121	
Xylenes, Total	0.375	0.338	90.1	72.0-127	
(S) Toluene-d8			*92.1*	*75.0-131*	
(S) 4-Bromofluorobenzene			*110*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

Method Blank (MB)

(MB) R3625970-1 03/01/21 03:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	*42.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3625970-2 03/01/21 04:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	26.7	53.4	50.0-150	
(S) o-Terphenyl			*62.3*	*18.0-148*	

L1321044-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1321044-03 03/01/21 09:13 • (MS) R3625970-3 03/01/21 09:26 • (MSD) R3625970-4 03/01/21 09:40

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	51.2	4.63	16.3	34.1	22.9	58.0	1	50.0-150	J6	J3	70.5	20
(S) o-Terphenyl					*35.4*	*67.0*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

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

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-

F217

Client Name:	Conoco Phillips	Site Manager:	Christian Llull
Project Name:	Phillips E State 29 Release	Contact Info:	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-01	FS-5	2/26/2021	10:00		X				X			1	N	X		X												X						
-02	FS-6	2/26/2021	10:08		X				X			1	N	X		X												X						
-03	ESW-6	2/26/2021	10:16		X				X			1	N	X		X												X						
-04	SSW-1	2/26/2021	10:24		X				X			1	N	X		X												X						
-05	SSW-2	2/26/2021	10:32		X				X			1	N	X		X												X						
-06	WSW-1	2/26/2021	10:40		X				X			1	N	X		X												X						
-07	WSW-2	2/26/2021	10:48		X				X			1	N	X		X												X						
-08	WSW-3	2/26/2021	10:56		X				X			1	N	X		X												X						
-09	WSW-4	2/26/2021	11:04		X				X			1	N	X		X												X						
-10	WSW-5	2/26/2021	11:12		X				X			1	N	X		X												X						

Relinquished by:	Date: 2/26/21	Time: 1500	Received by: Glenn Ete	Date: 2/27/21 Time: 9:15am
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

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 #: _____

ORIGINAL COPY

430T
4.0-.1=3.9

9050 0894 3830 4oz x11

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-

Client Name:	Conoco Phillips	Site Manager:	Christian Llull
Project Name:	Phillips E State 29 Release	Contact Info:	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-11	WSW-6	2/26/2021	11:20		X				X		1	N	X		X												X						

Relinquished by: Date: 2/26/21 Time: 1500
Received by: Date: 2/27/21 Time: 9:15am

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

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

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 #: _____

4.0 - 1 = 3.9
420

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: CONTENTA		L1321044
Cooler Received/Opened On: 2 / 27 / 21	Temperature:	3.9C
Received By: Glenn Enloe		
Signature: Glenn Enloe		

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

March 05, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1322696
Samples Received:	03/04/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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

Entire Report Reviewed By:

Chris McCord
Project Manager

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

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

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NSW-1 (4') L1322696-01 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:05
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629435	1	03/04/21 13:40	03/04/21 13:52	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 17:43	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 17:10	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 01:46	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	1	03/04/21 19:35	03/05/21 05:12	JDG	Mt. Juliet, TN

ESW-2 (4') L1322696-02 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:10
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629435	1	03/04/21 13:40	03/04/21 13:52	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 18:12	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 17:32	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 02:05	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	5	03/04/21 19:35	03/05/21 15:27	JDG	Mt. Juliet, TN

ESW-4 (4') L1322696-03 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:15
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 18:31	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 17:54	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 02:24	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	5	03/04/21 19:35	03/05/21 15:14	JDG	Mt. Juliet, TN

SSW-1 (4') L1322696-04 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:20
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 18:40	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 18:16	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 02:43	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	10	03/04/21 19:35	03/05/21 06:31	JDG	Mt. Juliet, TN

SSW-2 (4') L1322696-05 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:25
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 18:50	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 18:39	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 03:03	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	10	03/04/21 19:35	03/05/21 06:56	JDG	Mt. Juliet, TN

WSW-3 (4') L1322696-06 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:30
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 18:59	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 19:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 03:22	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	1	03/04/21 19:35	03/05/21 05:25	JDG	Mt. Juliet, TN

WSW-4 (4') L1322696-07 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:35
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 19:28	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 19:23	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 03:41	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	2	03/04/21 19:35	03/05/21 15:40	JDG	Mt. Juliet, TN

WSW-5 (4') L1322696-08 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:40
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 19:37	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 19:45	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 04:00	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	10	03/04/21 19:35	03/05/21 07:48	JDG	Mt. Juliet, TN

WSW-6 (4') L1322696-09 Solid

Collected by: John Thurston
Collected date/time: 03/03/21 11:45
Received date/time: 03/04/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1629436	1	03/04/21 13:30	03/04/21 13:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1629492	1	03/04/21 13:56	03/04/21 19:47	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1629526	1	03/04/21 11:41	03/04/21 20:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1629581	1	03/04/21 11:41	03/05/21 04:19	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1629472	10	03/04/21 19:35	03/05/21 08:14	JDG	Mt. Juliet, TN

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

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

Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	03/04/2021 13:52	WG1629435

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	47.8		10.2	22.1	1	03/04/2021 17:43	WG1629492

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	0.0368	J	0.0240	0.111	1	03/04/2021 17:10	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*03/04/2021 17:10*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000567	0.00121	1	03/05/2021 01:46	WG1629581
Toluene	U		0.00158	0.00607	1	03/05/2021 01:46	WG1629581
Ethylbenzene	U		0.000894	0.00303	1	03/05/2021 01:46	WG1629581
Total Xylenes	U		0.00107	0.00789	1	03/05/2021 01:46	WG1629581
(S) Toluene-d8	*93.7*			*75.0-131*		*03/05/2021 01:46*	WG1629581
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*03/05/2021 01:46*	WG1629581
(S) 1,2-Dichloroethane-d4	*80.5*			*70.0-130*		*03/05/2021 01:46*	WG1629581

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	17.9		1.78	4.43	1	03/05/2021 05:12	WG1629472
C28-C40 Oil Range	63.2		0.303	4.43	1	03/05/2021 05:12	WG1629472
(S) o-Terphenyl	*47.9*			*18.0-148*		*03/05/2021 05:12*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	03/04/2021 13:52	WG1629435

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	38.6		10.1	22.0	1	03/04/2021 18:12	WG1629492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	03/04/2021 17:32	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*03/04/2021 17:32*	WG1629526

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		0.000561	0.00120	1	03/05/2021 02:05	WG1629581
Toluene	U		0.00156	0.00601	1	03/05/2021 02:05	WG1629581
Ethylbenzene	U		0.000886	0.00300	1	03/05/2021 02:05	WG1629581
Total Xylenes	U		0.00106	0.00781	1	03/05/2021 02:05	WG1629581
(S) Toluene-d8	*93.3*			*75.0-131*		*03/05/2021 02:05*	WG1629581
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*03/05/2021 02:05*	WG1629581
(S) 1,2-Dichloroethane-d4	*80.1*			*70.0-130*		*03/05/2021 02:05*	WG1629581

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	46.0		8.86	22.0	5	03/05/2021 15:27	WG1629472
C28-C40 Oil Range	188		1.51	22.0	5	03/05/2021 15:27	WG1629472
(S) o-Terphenyl	*67.7*			*18.0-148*		*03/05/2021 15:27*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	03/04/2021 13:39	WG1629436

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	58.6		10.1	22.0	1	03/04/2021 18:31	WG1629492

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	0.0351	J	0.0238	0.110	1	03/04/2021 17:54	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*03/04/2021 17:54*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000559	0.00120	1	03/05/2021 02:24	WG1629581
Toluene	U		0.00156	0.00599	1	03/05/2021 02:24	WG1629581
Ethylbenzene	U		0.000883	0.00299	1	03/05/2021 02:24	WG1629581
Total Xylenes	U		0.00105	0.00779	1	03/05/2021 02:24	WG1629581
(S) Toluene-d8	*94.3*			*75.0-131*		*03/05/2021 02:24*	WG1629581
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*03/05/2021 02:24*	WG1629581
(S) 1,2-Dichloroethane-d4	*81.1*			*70.0-130*		*03/05/2021 02:24*	WG1629581

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	33.1		8.85	22.0	5	03/05/2021 15:14	WG1629472
C28-C40 Oil Range	136		1.51	22.0	5	03/05/2021 15:14	WG1629472
(S) o-Terphenyl	*73.9*			*18.0-148*		*03/05/2021 15:14*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	03/04/2021 13:39	WG1629436

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		9.57	20.8	1	03/04/2021 18:40	WG1629492

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	0.0435	J	0.0226	0.104	1	03/04/2021 18:16	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*03/04/2021 18:16*	WG1629526

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		0.000505	0.00108	1	03/05/2021 02:43	WG1629581
Toluene	U		0.00140	0.00540	1	03/05/2021 02:43	WG1629581
Ethylbenzene	U		0.000796	0.00270	1	03/05/2021 02:43	WG1629581
Total Xylenes	U		0.000951	0.00702	1	03/05/2021 02:43	WG1629581
(S) Toluene-d8	*94.1*			*75.0-131*		*03/05/2021 02:43*	WG1629581
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*03/05/2021 02:43*	WG1629581
(S) 1,2-Dichloroethane-d4	*79.9*			*70.0-130*		*03/05/2021 02:43*	WG1629581

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	76.0		16.7	41.6	10	03/05/2021 06:31	WG1629472
C28-C40 Oil Range	198		2.85	41.6	10	03/05/2021 06:31	WG1629472
(S) o-Terphenyl	*69.1*			*18.0-148*		*03/05/2021 06:31*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	03/04/2021 13:39	WG1629436

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	159		9.46	20.6	1	03/04/2021 18:50	WG1629492

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	0.0281	J	0.0223	0.103	1	03/04/2021 18:39	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*03/04/2021 18:39*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000494	0.00106	1	03/05/2021 03:03	WG1629581
Toluene	U		0.00137	0.00529	1	03/05/2021 03:03	WG1629581
Ethylbenzene	U		0.000779	0.00264	1	03/05/2021 03:03	WG1629581
Total Xylenes	U		0.000930	0.00687	1	03/05/2021 03:03	WG1629581
(S) Toluene-d8	*94.2*			*75.0-131*		*03/05/2021 03:03*	WG1629581
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*03/05/2021 03:03*	WG1629581
(S) 1,2-Dichloroethane-d4	*80.4*			*70.0-130*		*03/05/2021 03:03*	WG1629581

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	82.7		16.6	41.1	10	03/05/2021 06:56	WG1629472
C28-C40 Oil Range	211		2.82	41.1	10	03/05/2021 06:56	WG1629472
(S) o-Terphenyl	*72.3*			*18.0-148*		*03/05/2021 06:56*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	03/04/2021 13:39	WG1629436

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	75.4		9.92	21.6	1	03/04/2021 18:59	WG1629492

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	0.0415	J	0.0234	0.108	1	03/04/2021 19:01	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*03/04/2021 19:01*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000540	0.00116	1	03/05/2021 03:22	WG1629581
Toluene	U		0.00150	0.00578	1	03/05/2021 03:22	WG1629581
Ethylbenzene	U		0.000853	0.00289	1	03/05/2021 03:22	WG1629581
Total Xylenes	U		0.00102	0.00752	1	03/05/2021 03:22	WG1629581
(S) Toluene-d8	*94.1*			*75.0-131*		*03/05/2021 03:22*	WG1629581
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*03/05/2021 03:22*	WG1629581
(S) 1,2-Dichloroethane-d4	*80.4*			*70.0-130*		*03/05/2021 03:22*	WG1629581

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	22.5		1.74	4.31	1	03/05/2021 05:25	WG1629472
C28-C40 Oil Range	70.7		0.295	4.31	1	03/05/2021 05:25	WG1629472
(S) o-Terphenyl	*44.9*			*18.0-148*		*03/05/2021 05:25*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	03/04/2021 13:39	WG1629436

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	122		9.81	21.3	1	03/04/2021 19:28	WG1629492

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	0.0510	J	0.0231	0.107	1	03/04/2021 19:23	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*03/04/2021 19:23*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000529	0.00113	1	03/05/2021 03:41	WG1629581
Toluene	U		0.00147	0.00566	1	03/05/2021 03:41	WG1629581
Ethylbenzene	U		0.000834	0.00283	1	03/05/2021 03:41	WG1629581
Total Xylenes	U		0.000996	0.00736	1	03/05/2021 03:41	WG1629581
(S) Toluene-d8	*93.6*			*75.0-131*		*03/05/2021 03:41*	WG1629581
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*03/05/2021 03:41*	WG1629581
(S) 1,2-Dichloroethane-d4	*80.0*			*70.0-130*		*03/05/2021 03:41*	WG1629581

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	39.5		3.43	8.53	2	03/05/2021 15:40	WG1629472
C28-C40 Oil Range	111		0.584	8.53	2	03/05/2021 15:40	WG1629472
(S) o-Terphenyl	*55.1*			*18.0-148*		*03/05/2021 15:40*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	03/04/2021 13:39	WG1629436

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	129		9.76	21.2	1	03/04/2021 19:37	WG1629492

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	0.0281	J	0.0230	0.106	1	03/04/2021 19:45	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*03/04/2021 19:45*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000524	0.00112	1	03/05/2021 04:00	WG1629581
Toluene	U		0.00146	0.00561	1	03/05/2021 04:00	WG1629581
Ethylbenzene	U		0.000827	0.00281	1	03/05/2021 04:00	WG1629581
Total Xylenes	U		0.000988	0.00730	1	03/05/2021 04:00	WG1629581
(S) Toluene-d8	*93.3*			*75.0-131*		*03/05/2021 04:00*	WG1629581
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*03/05/2021 04:00*	WG1629581
(S) 1,2-Dichloroethane-d4	*82.3*			*70.0-130*		*03/05/2021 04:00*	WG1629581

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	72.3		17.1	42.5	10	03/05/2021 07:48	WG1629472
C28-C40 Oil Range	208		2.91	42.5	10	03/05/2021 07:48	WG1629472
(S) o-Terphenyl	*63.3*			*18.0-148*		*03/05/2021 07:48*	WG1629472

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	03/04/2021 13:39	WG1629436

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	120		9.78	21.3	1	03/04/2021 19:47	WG1629492

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	J	0.0231	0.106	1	03/04/2021 20:07	WG1629526
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*03/04/2021 20:07*	WG1629526

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000526	0.00113	1	03/05/2021 04:19	WG1629581
Toluene	U		0.00146	0.00563	1	03/05/2021 04:19	WG1629581
Ethylbenzene	U		0.000829	0.00281	1	03/05/2021 04:19	WG1629581
Total Xylenes	U		0.000990	0.00731	1	03/05/2021 04:19	WG1629581
(S) Toluene-d8	*93.8*			*75.0-131*		*03/05/2021 04:19*	WG1629581
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*03/05/2021 04:19*	WG1629581
(S) 1,2-Dichloroethane-d4	*81.4*			*70.0-130*		*03/05/2021 04:19*	WG1629581

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	50.2	J6	17.1	42.5	10	03/05/2021 08:14	WG1629472
C28-C40 Oil Range	142		2.91	42.5	10	03/05/2021 08:14	WG1629472
(S) o-Terphenyl	*69.1*			*18.0-148*		*03/05/2021 08:14*	WG1629472

Method Blank (MB)

(MB) R3627649-1 03/04/21 13:52

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

L1322304-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1322304-01 03/04/21 13:52 • (DUP) R3627649-3 03/04/21 13:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	75.4	77.3	1	2.46		10

Laboratory Control Sample (LCS)

(LCS) R3627649-2 03/04/21 13:52

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) R3627632-1 03/04/21 13:39

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

L1321250-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1321250-01 03/04/21 13:39 • (DUP) R3627632-3 03/04/21 13:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	76.7	74.0	1	3.57		10

Laboratory Control Sample (LCS)

(LCS) R3627632-2 03/04/21 13:39

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) R3627648-1 03/04/21 15:00

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

L1320769-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1320769-10 03/04/21 16:27 • (DUP) R3627648-3 03/04/21 16:37

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

L1322696-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1322696-02 03/04/21 18:12 • (DUP) R3627648-6 03/04/21 18:21

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	38.6	45.3	1	16.0		20

Laboratory Control Sample (LCS)

(LCS) R3627648-2 03/04/21 15:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	195	97.6	90.0-110	

L1322696-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1322696-01 03/04/21 17:43 • (MS) R3627648-4 03/04/21 17:53 • (MSD) R3627648-5 03/04/21 18:02

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 %
Chloride	553	47.8	635	647	106	108	1	80.0-120			1.91	20

Method Blank (MB)

(MB) R3627442-2 03/04/21 12:02

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)	*114*			*77.0-120*

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

(LCS) R3627442-1 03/04/21 10:56 • (LCSD) R3627442-3 03/04/21 12:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	6.16	5.58	112	101	72.0-127			9.88	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*107*	*77.0-120*				

L1321511-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1321511-01 03/04/21 14:14 • (MS) R3627442-4 03/04/21 14:58 • (MSD) R3627442-5 03/04/21 15:20

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	123	0.600	107	127	86.5	103	25	10.0-151			17.1	28
(S) a,a,a-Trifluorotoluene(FID)					*106*	*109*		*77.0-120*				

Method Blank (MB)

(MB) R3627640-2 03/05/21 01:27

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	*93.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*80.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3627640-1 03/04/21 22:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.138	110	70.0-123	
Ethylbenzene	0.125	0.112	89.6	74.0-126	
Toluene	0.125	0.116	92.8	75.0-121	
Xylenes, Total	0.375	0.310	82.7	72.0-127	
(S) Toluene-d8			*92.6*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.6*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*86.8*	*70.0-130*	

L1322696-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1322696-09 03/05/21 04:19 • (MS) R3627640-3 03/05/21 08:08 • (MSD) R3627640-4 03/05/21 08:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.141	U	0.125	0.174	88.8	124	1	10.0-149			33.1	37
Ethylbenzene	0.141	U	0.102	0.142	72.3	101	1	10.0-160			32.9	38
Toluene	0.141	U	0.104	0.146	74.2	104	1	10.0-156			33.5	38
Xylenes, Total	0.422	U	0.290	0.394	68.8	93.3	1	10.0-160			30.3	38
(S) Toluene-d8					*91.8*	*91.7*		*75.0-131*				
(S) 4-Bromofluorobenzene					*96.5*	*97.4*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*82.0*	*83.1*		*70.0-130*				

Method Blank (MB)

(MB) R3627761-1 03/05/21 04:04

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	*58.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3627761-2 03/05/21 04:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.2	64.4	50.0-150	
(S) o-Terphenyl			*63.7*	*18.0-148*	

L1322696-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1322696-09 03/05/21 08:14 • (MS) R3627761-3 03/05/21 08:28 • (MSD) R3627761-4 03/05/21 08:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	53.1	50.2	61.3	72.1	21.0	41.4	10	50.0-150	J6	J6	16.2	20
(S) o-Terphenyl					*69.5*	*71.5*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
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.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

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

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

Analysis Request of Chain of Custody Record

J167

Page : 1 of 1

NS

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:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	# 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
L1322646		YEAR: 2021																															
-01	NSW-1 (4')	3/3/2021	11:05		X				X		1	N	X		X												X						
02	ESW-2 (4')	3/3/2021	11:10		X				X		1	N	X		X												X						
03	ESW-4 (4')	3/3/2021	11:15		X				X		1	N	X		X												X						
04	SSW-1 (4')	3/3/2021	11:20		X				X		1	N	X		X												X						
05	SSW-2 (4')	3/3/2021	11:25		X				X		1	N	X		X												X						
06	WSW-3 (4')	3/3/2021	11:30		X				X		1	N	X		X												X						
07	WSW-4 (4')	3/3/2021	11:35		X				X		1	N	X		X												X						
08	WSW-5 (4')	3/3/2021	11:40		X				X		1	N	X		X												X						
09	WSW-6 (4')	3/3/2021	11:45		X				X		1	N	X		X												X						

Relinquished by:	Date: 3/3/21	Time: 1640	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by: Patricia Michael 3-4-21 0915

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 #: _____

Sample Receipt Checklist

COC Seal Present/Intact: __Y__N If Applicable
COC Signed/Accurate: ✓Y__N VOA Zero Headspace: __Y__N
Bottles arrive intact: ✓Y__N Pres.Correct/Check: __Y__N
Correct bottles used: ✓Y__N
RAD Screen <0.5 mR/hr: ✓Y__N

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MPB 11-4-21

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ANALYTICAL REPORT

March 09, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1323927
Samples Received:	03/06/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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

Entire Report Reviewed By: Erica McNeese

Erica McNeese
Project Manager

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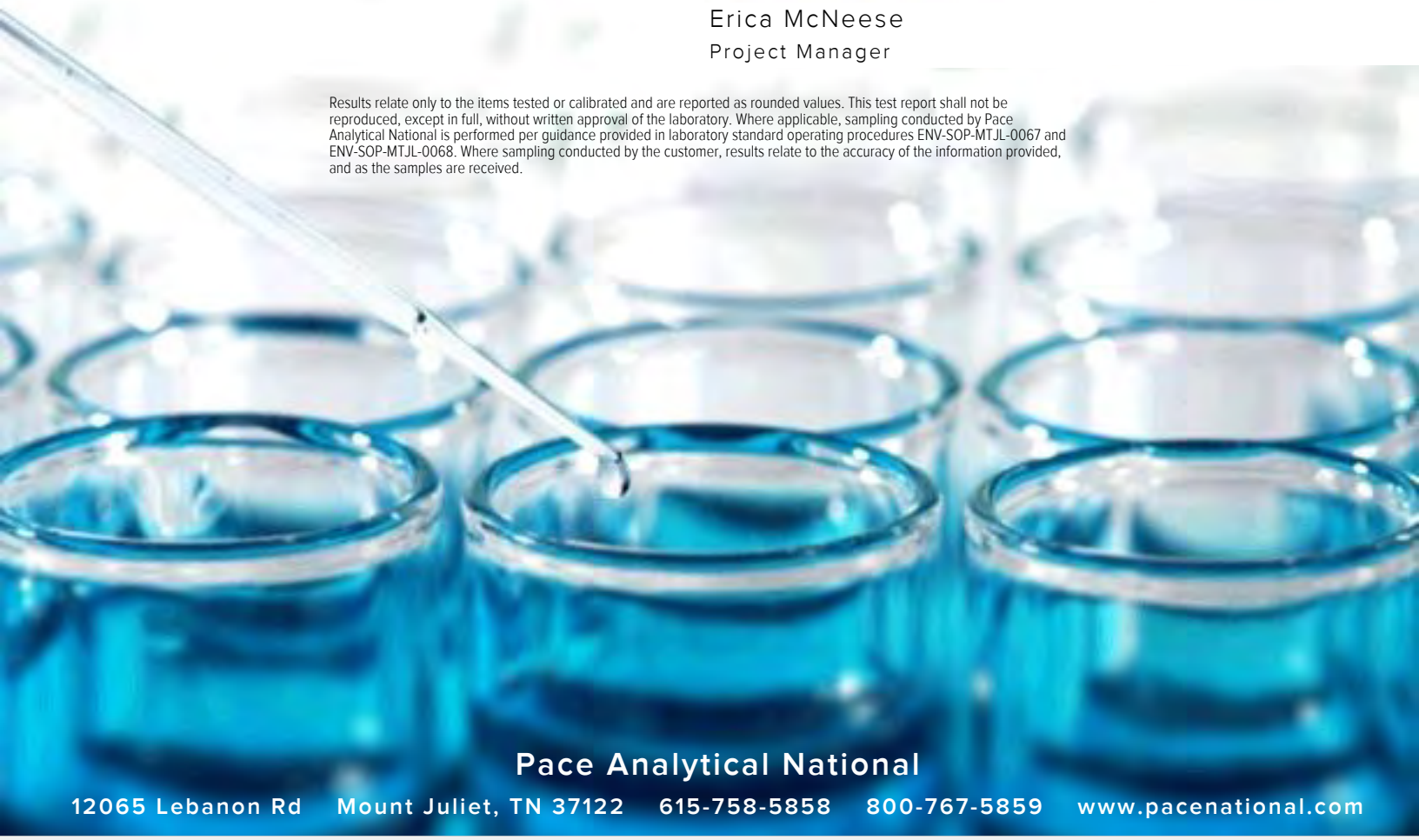

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CSW-1 L1323927-01 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 08:45
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630802	1	03/07/21 15:42	03/07/21 15:57	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 16:52	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 08:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 09:54	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/08/21 11:50	JN	Mt. Juliet, TN

CSW-2 L1323927-02 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 08:55
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630802	1	03/07/21 15:42	03/07/21 15:57	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 17:01	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/06/21 23:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 10:13	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 13:26	JN	Mt. Juliet, TN

CSW-3 L1323927-03 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 09:05
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630802	1	03/07/21 15:42	03/07/21 15:57	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 17:10	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 00:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 10:32	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 13:39	JN	Mt. Juliet, TN

CSW-4 L1323927-04 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 09:15
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630802	1	03/07/21 15:42	03/07/21 15:57	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 17:29	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1631235	1	03/06/21 19:05	03/09/21 04:19	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 10:51	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 13:53	JN	Mt. Juliet, TN

CSW-5 L1323927-05 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 09:25
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 17:39	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 00:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 11:10	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 14:20	JN	Mt. Juliet, TN

CSW-6 L1323927-06 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 09:35
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 17:48	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 01:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 11:29	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 14:06	JN	Mt. Juliet, TN

CSW-7 L1323927-07 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 09:45
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 17:58	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 01:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 11:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 15:00	JN	Mt. Juliet, TN

CSW-8 L1323927-08 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 09:55
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 18:26	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 02:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 12:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 15:14	JN	Mt. Juliet, TN

CSW-9 L1323927-09 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 10:05
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 18:36	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 02:43	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 12:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 15:27	JN	Mt. Juliet, TN

CSW-10 L1323927-10 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 10:15
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 18:45	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 03:05	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 12:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 14:33	JN	Mt. Juliet, TN

CSW-11 L1323927-11 Solid

Collected by: John Thurston | Collected date/time: 03/05/21 10:35 | Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 18:55	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 03:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 13:04	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 14:47	JN	Mt. Juliet, TN

FS-2 (2.5') L1323927-12 Solid

Collected by: John Thurston | Collected date/time: 03/05/21 10:40 | Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 19:04	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 03:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 13:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 09:19	JN	Mt. Juliet, TN

FS-7 L1323927-13 Solid

Collected by: John Thurston | Collected date/time: 03/05/21 10:45 | Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 19:14	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 04:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 13:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 09:32	JN	Mt. Juliet, TN

FS-8 L1323927-14 Solid

Collected by: John Thurston | Collected date/time: 03/05/21 10:50 | Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630803	1	03/07/21 16:15	03/07/21 16:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 19:52	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 04:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 14:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 12:18	JN	Mt. Juliet, TN

FS-9 L1323927-15 Solid

Collected by: John Thurston | Collected date/time: 03/05/21 10:55 | Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630805	1	03/07/21 16:00	03/07/21 16:12	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 20:21	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 04:55	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 14:21	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 12:59	JN	Mt. Juliet, TN

FS-10 L1323927-16 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 11:00
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630805	1	03/07/21 16:00	03/07/21 16:12	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 20:30	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 05:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 14:40	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 12:32	JN	Mt. Juliet, TN

FS-11 L1323927-17 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 11:05
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630805	1	03/07/21 16:00	03/07/21 16:12	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 20:40	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 05:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 14:59	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 08:52	JN	Mt. Juliet, TN

FS-12 L1323927-18 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 11:10
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630805	1	03/07/21 16:00	03/07/21 16:12	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 20:49	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 06:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 15:18	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 08:38	JN	Mt. Juliet, TN

FS-13 L1323927-19 Solid

Collected by: John Thurston
Collected date/time: 03/05/21 11:15
Received date/time: 03/06/21 10:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1630805	1	03/07/21 16:00	03/07/21 16:12	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1630923	1	03/08/21 15:01	03/08/21 20:59	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1630688	1	03/06/21 19:05	03/07/21 07:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1631013	1	03/06/21 19:05	03/08/21 15:37	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1630544	1	03/06/21 16:46	03/07/21 09:05	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.

Erica McNeese
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	03/07/2021 15:57	WG1630802

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	107		9.85	21.4	1	03/08/2021 16:52	WG1630923

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	0.0441	J	0.0232	0.107	1	03/07/2021 08:31	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*77.0-120*		*03/07/2021 08:31*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000533	0.00114	1	03/08/2021 09:54	WG1631013
Toluene	0.00231	J	0.00149	0.00571	1	03/08/2021 09:54	WG1631013
Ethylbenzene	U		0.000842	0.00286	1	03/08/2021 09:54	WG1631013
Total Xylenes	0.00438	J	0.00101	0.00743	1	03/08/2021 09:54	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 09:54*	WG1631013
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*03/08/2021 09:54*	WG1631013
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*		*03/08/2021 09:54*	WG1631013

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	15.9		1.72	4.28	1	03/08/2021 11:50	WG1630544
C28-C40 Oil Range	40.3		0.293	4.28	1	03/08/2021 11:50	WG1630544
(S) o-Terphenyl	*45.7*			*18.0-148*		*03/08/2021 11:50*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	03/07/2021 15:57	WG1630802

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	97.2		9.88	21.5	1	03/08/2021 17:01	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0233	0.107	1	03/06/2021 23:41	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*03/06/2021 23:41*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000536	0.00115	1	03/08/2021 10:13	WG1631013
Toluene	0.00191	J	0.00149	0.00574	1	03/08/2021 10:13	WG1631013
Ethylbenzene	0.000852	J	0.000846	0.00287	1	03/08/2021 10:13	WG1631013
Total Xylenes	0.00247	J	0.00101	0.00746	1	03/08/2021 10:13	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 10:13*	WG1631013
(S) 4-Bromofluorobenzene	*92.2*			*67.0-138*		*03/08/2021 10:13*	WG1631013
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*		*03/08/2021 10:13*	WG1631013

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	15.6		1.73	4.30	1	03/07/2021 13:26	WG1630544
C28-C40 Oil Range	49.3		0.294	4.30	1	03/07/2021 13:26	WG1630544
(S) o-Terphenyl	*57.8*			*18.0-148*		*03/07/2021 13:26*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	03/07/2021 15:57	WG1630802

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	114		9.85	21.4	1	03/08/2021 17:10	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0232	0.107	1	03/07/2021 00:03	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.7*			*77.0-120*		*03/07/2021 00:03*	WG1630688

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		0.000534	0.00114	1	03/08/2021 10:32	WG1631013
Toluene	0.00207	J	0.00149	0.00571	1	03/08/2021 10:32	WG1631013
Ethylbenzene	U		0.000842	0.00286	1	03/08/2021 10:32	WG1631013
Total Xylenes	0.00286	J	0.00101	0.00743	1	03/08/2021 10:32	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 10:32*	WG1631013
(S) 4-Bromofluorobenzene	*89.9*			*67.0-138*		*03/08/2021 10:32*	WG1631013
(S) 1,2-Dichloroethane-d4	*85.8*			*70.0-130*		*03/08/2021 10:32*	WG1631013

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	10.7		1.72	4.28	1	03/07/2021 13:39	WG1630544
C28-C40 Oil Range	37.9		0.293	4.28	1	03/07/2021 13:39	WG1630544
(S) o-Terphenyl	*55.3*			*18.0-148*		*03/07/2021 13:39*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	03/07/2021 15:57	WG1630802

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	45.9		9.75	21.2	1	03/08/2021 17:29	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	03/09/2021 04:19	WG1631235
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*		*03/09/2021 04:19*	WG1631235

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000523	0.00112	1	03/08/2021 10:51	WG1631013
Toluene	0.00203	J	0.00146	0.00560	1	03/08/2021 10:51	WG1631013
Ethylbenzene	U		0.000825	0.00280	1	03/08/2021 10:51	WG1631013
Total Xylenes	0.00272	J	0.000985	0.00728	1	03/08/2021 10:51	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 10:51*	WG1631013
(S) 4-Bromofluorobenzene	*90.9*			*67.0-138*		*03/08/2021 10:51*	WG1631013
(S) 1,2-Dichloroethane-d4	*85.7*			*70.0-130*		*03/08/2021 10:51*	WG1631013

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	30.2		1.71	4.24	1	03/07/2021 13:53	WG1630544
C28-C40 Oil Range	75.7		0.290	4.24	1	03/07/2021 13:53	WG1630544
(S) o-Terphenyl	*45.8*			*18.0-148*		*03/07/2021 13:53*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	03/07/2021 16:45	WG1630803

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	71.6		9.65	21.0	1	03/08/2021 17:39	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	03/07/2021 00:47	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*77.0-120*		*03/07/2021 00:47*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000513	0.00110	1	03/08/2021 11:10	WG1631013
Toluene	0.00201	J	0.00143	0.00549	1	03/08/2021 11:10	WG1631013
Ethylbenzene	U		0.000810	0.00275	1	03/08/2021 11:10	WG1631013
Total Xylenes	0.00275	J	0.000967	0.00714	1	03/08/2021 11:10	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 11:10*	WG1631013
(S) 4-Bromofluorobenzene	*90.5*			*67.0-138*		*03/08/2021 11:10*	WG1631013
(S) 1,2-Dichloroethane-d4	*85.8*			*70.0-130*		*03/08/2021 11:10*	WG1631013

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	23.4		1.69	4.20	1	03/07/2021 14:20	WG1630544
C28-C40 Oil Range	59.3		0.288	4.20	1	03/07/2021 14:20	WG1630544
(S) o-Terphenyl	*46.2*			*18.0-148*		*03/07/2021 14:20*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	03/07/2021 16:45	WG1630803

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	69.2		9.65	21.0	1	03/08/2021 17:48	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	03/07/2021 01:37	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*03/07/2021 01:37*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000513	0.00110	1	03/08/2021 11:29	WG1631013
Toluene	0.00192	J	0.00143	0.00549	1	03/08/2021 11:29	WG1631013
Ethylbenzene	U		0.000810	0.00275	1	03/08/2021 11:29	WG1631013
Total Xylenes	0.00258	J	0.000967	0.00714	1	03/08/2021 11:29	WG1631013
(S) Toluene-d8	*104*			*75.0-131*		*03/08/2021 11:29*	WG1631013
(S) 4-Bromofluorobenzene	*92.0*			*67.0-138*		*03/08/2021 11:29*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*03/08/2021 11:29*	WG1631013

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	17.9		1.69	4.20	1	03/07/2021 14:06	WG1630544
C28-C40 Oil Range	47.3		0.288	4.20	1	03/07/2021 14:06	WG1630544
(S) o-Terphenyl	*48.8*			*18.0-148*		*03/07/2021 14:06*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	03/07/2021 16:45	WG1630803

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	87.9		9.67	21.0	1	03/08/2021 17:58	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	03/07/2021 01:59	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*		*03/07/2021 01:59*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000515	0.00110	1	03/08/2021 11:48	WG1631013
Toluene	0.00213	J	0.00143	0.00552	1	03/08/2021 11:48	WG1631013
Ethylbenzene	U		0.000813	0.00276	1	03/08/2021 11:48	WG1631013
Total Xylenes	0.00281	J	0.000971	0.00717	1	03/08/2021 11:48	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 11:48*	WG1631013
(S) 4-Bromofluorobenzene	*92.5*			*67.0-138*		*03/08/2021 11:48*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.8*			*70.0-130*		*03/08/2021 11:48*	WG1631013

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	61.2		1.69	4.21	1	03/07/2021 15:00	WG1630544
C28-C40 Oil Range	118		0.288	4.21	1	03/07/2021 15:00	WG1630544
(S) o-Terphenyl	*42.7*			*18.0-148*		*03/07/2021 15:00*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	03/07/2021 16:45	WG1630803

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	74.7		10.3	22.4	1	03/08/2021 18:26	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0243	0.112	1	03/07/2021 02:21	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*03/07/2021 02:21*	WG1630688

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		0.000578	0.00124	1	03/08/2021 12:07	WG1631013
Toluene	0.00216	J	0.00161	0.00618	1	03/08/2021 12:07	WG1631013
Ethylbenzene	U		0.000912	0.00309	1	03/08/2021 12:07	WG1631013
Total Xylenes	0.00303	J	0.00109	0.00804	1	03/08/2021 12:07	WG1631013
(S) Toluene-d8	*101*			*75.0-131*		*03/08/2021 12:07*	WG1631013
(S) 4-Bromofluorobenzene	*92.5*			*67.0-138*		*03/08/2021 12:07*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.5*			*70.0-130*		*03/08/2021 12:07*	WG1631013

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	46.9		1.80	4.47	1	03/07/2021 15:14	WG1630544
C28-C40 Oil Range	102		0.306	4.47	1	03/07/2021 15:14	WG1630544
(S) o-Terphenyl	*32.3*			*18.0-148*		*03/07/2021 15:14*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	03/07/2021 16:45	WG1630803

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	69.9		9.75	21.2	1	03/08/2021 18:36	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	03/07/2021 02:43	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*77.0-120*		*03/07/2021 02:43*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000523	0.00112	1	03/08/2021 12:26	WG1631013
Toluene	0.00183	J	0.00146	0.00560	1	03/08/2021 12:26	WG1631013
Ethylbenzene	U		0.000826	0.00280	1	03/08/2021 12:26	WG1631013
Total Xylenes	0.00222	J	0.000986	0.00729	1	03/08/2021 12:26	WG1631013
(S) Toluene-d8	*104*			*75.0-131*		*03/08/2021 12:26*	WG1631013
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*		*03/08/2021 12:26*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*03/08/2021 12:26*	WG1631013

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	80.7		1.71	4.24	1	03/07/2021 15:27	WG1630544
C28-C40 Oil Range	158		0.290	4.24	1	03/07/2021 15:27	WG1630544
(S) o-Terphenyl	*55.6*			*18.0-148*		*03/07/2021 15:27*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.9		1	03/07/2021 16:45	WG1630803

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	136		9.69	21.1	1	03/08/2021 18:45	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0229	0.105	1	03/07/2021 03:05	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*77.0-120*		*03/07/2021 03:05*	WG1630688

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		0.000517	0.00111	1	03/08/2021 12:45	WG1631013
Toluene	0.00201	J	0.00144	0.00554	1	03/08/2021 12:45	WG1631013
Ethylbenzene	U		0.000817	0.00277	1	03/08/2021 12:45	WG1631013
Total Xylenes	0.00255	J	0.000975	0.00720	1	03/08/2021 12:45	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 12:45*	WG1631013
(S) 4-Bromofluorobenzene	*91.8*			*67.0-138*		*03/08/2021 12:45*	WG1631013
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*		*03/08/2021 12:45*	WG1631013

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	33.2		1.70	4.21	1	03/07/2021 14:33	WG1630544
C28-C40 Oil Range	112		0.289	4.21	1	03/07/2021 14:33	WG1630544
(S) o-Terphenyl	*46.9*			*18.0-148*		*03/07/2021 14:33*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	03/07/2021 16:45	WG1630803

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	96.4		9.57	20.8	1	03/08/2021 18:55	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	03/07/2021 03:27	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*77.0-120*		*03/07/2021 03:27*	WG1630688

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		0.000505	0.00108	1	03/08/2021 13:04	WG1631013
Toluene	0.00182	J	0.00140	0.00540	1	03/08/2021 13:04	WG1631013
Ethylbenzene	U		0.000796	0.00270	1	03/08/2021 13:04	WG1631013
Total Xylenes	0.00379	J	0.000951	0.00702	1	03/08/2021 13:04	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 13:04*	WG1631013
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*		*03/08/2021 13:04*	WG1631013
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*		*03/08/2021 13:04*	WG1631013

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	52.2		1.67	4.16	1	03/07/2021 14:47	WG1630544
C28-C40 Oil Range	151		0.285	4.16	1	03/07/2021 14:47	WG1630544
(S) o-Terphenyl	*50.2*			*18.0-148*		*03/07/2021 14:47*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.8		1	03/07/2021 16:45	WG1630803

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	204		9.60	20.9	1	03/08/2021 19:04	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	03/07/2021 03:49	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*77.0-120*		*03/07/2021 03:49*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000508	0.00109	1	03/08/2021 13:24	WG1631013
Toluene	0.00208	J	0.00141	0.00544	1	03/08/2021 13:24	WG1631013
Ethylbenzene	U		0.000802	0.00272	1	03/08/2021 13:24	WG1631013
Total Xylenes	0.00296	J	0.000957	0.00707	1	03/08/2021 13:24	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 13:24*	WG1631013
(S) 4-Bromofluorobenzene	*91.9*			*67.0-138*		*03/08/2021 13:24*	WG1631013
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*03/08/2021 13:24*	WG1631013

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	10.8		1.68	4.17	1	03/07/2021 09:19	WG1630544
C28-C40 Oil Range	22.9		0.286	4.17	1	03/07/2021 09:19	WG1630544
(S) o-Terphenyl	*43.1*			*18.0-148*		*03/07/2021 09:19*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	03/07/2021 16:45	WG1630803

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	57.0		9.72	21.1	1	03/08/2021 19:14	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0229	0.106	1	03/07/2021 04:11	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*77.0-120*		*03/07/2021 04:11*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000520	0.00111	1	03/08/2021 13:43	WG1631013
Toluene	0.00209	J	0.00145	0.00557	1	03/08/2021 13:43	WG1631013
Ethylbenzene	U		0.000821	0.00278	1	03/08/2021 13:43	WG1631013
Total Xylenes	0.00354	J	0.000980	0.00724	1	03/08/2021 13:43	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 13:43*	WG1631013
(S) 4-Bromofluorobenzene	*91.6*			*67.0-138*		*03/08/2021 13:43*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.5*			*70.0-130*		*03/08/2021 13:43*	WG1631013

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	31.6		1.70	4.23	1	03/07/2021 09:32	WG1630544
C28-C40 Oil Range	62.3		0.290	4.23	1	03/07/2021 09:32	WG1630544
(S) o-Terphenyl	*36.0*			*18.0-148*		*03/07/2021 09:32*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	03/07/2021 16:45	WG1630803

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	46.8		9.68	21.0	1	03/08/2021 19:52	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	03/07/2021 04:33	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*03/07/2021 04:33*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000515	0.00110	1	03/08/2021 14:02	WG1631013
Toluene	0.00185	J	0.00143	0.00552	1	03/08/2021 14:02	WG1631013
Ethylbenzene	U		0.000813	0.00276	1	03/08/2021 14:02	WG1631013
Total Xylenes	0.00259	J	0.000971	0.00717	1	03/08/2021 14:02	WG1631013
(S) Toluene-d8	*103*			*75.0-131*		*03/08/2021 14:02*	WG1631013
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*		*03/08/2021 14:02*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.9*			*70.0-130*		*03/08/2021 14:02*	WG1631013

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	52.7		1.69	4.21	1	03/07/2021 12:18	WG1630544
C28-C40 Oil Range	79.2		0.288	4.21	1	03/07/2021 12:18	WG1630544
(S) o-Terphenyl	*34.4*			*18.0-148*		*03/07/2021 12:18*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	03/07/2021 16:12	WG1630805

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	72.7		10.1	21.9	1	03/08/2021 20:21	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.109	1	03/07/2021 04:55	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*03/07/2021 04:55*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000555	0.00119	1	03/08/2021 14:21	WG1631013
Toluene	0.00203	J	0.00154	0.00594	1	03/08/2021 14:21	WG1631013
Ethylbenzene	U		0.000876	0.00297	1	03/08/2021 14:21	WG1631013
Total Xylenes	0.00285	J	0.00105	0.00772	1	03/08/2021 14:21	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 14:21*	WG1631013
(S) 4-Bromofluorobenzene	*90.3*			*67.0-138*		*03/08/2021 14:21*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*		*03/08/2021 14:21*	WG1631013

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	34.7		1.76	4.37	1	03/07/2021 12:59	WG1630544
C28-C40 Oil Range	82.3		0.300	4.37	1	03/07/2021 12:59	WG1630544
(S) o-Terphenyl	*37.2*			*18.0-148*		*03/07/2021 12:59*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	03/07/2021 16:12	WG1630805

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	75.7		9.77	21.2	1	03/08/2021 20:30	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0231	0.106	1	03/07/2021 05:17	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*77.0-120*		*03/07/2021 05:17*	WG1630688

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		0.000525	0.00113	1	03/08/2021 14:40	WG1631013
Toluene	0.00181	J	0.00146	0.00563	1	03/08/2021 14:40	WG1631013
Ethylbenzene	U		0.000829	0.00281	1	03/08/2021 14:40	WG1631013
Total Xylenes	0.00228	J	0.000990	0.00731	1	03/08/2021 14:40	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 14:40*	WG1631013
(S) 4-Bromofluorobenzene	*91.5*			*67.0-138*		*03/08/2021 14:40*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*		*03/08/2021 14:40*	WG1631013

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	26.5		1.71	4.25	1	03/07/2021 12:32	WG1630544
C28-C40 Oil Range	60.7		0.291	4.25	1	03/07/2021 12:32	WG1630544
(S) o-Terphenyl	*46.4*			*18.0-148*		*03/07/2021 12:32*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	03/07/2021 16:12	WG1630805

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	491		10.7	23.3	1	03/08/2021 20:40	WG1630923

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		0.0252	0.116	1	03/07/2021 05:39	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*03/07/2021 05:39*	WG1630688

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		0.000620	0.00133	1	03/08/2021 14:59	WG1631013
Toluene	0.00223	J	0.00173	0.00664	1	03/08/2021 14:59	WG1631013
Ethylbenzene	U		0.000978	0.00332	1	03/08/2021 14:59	WG1631013
Total Xylenes	0.00303	J	0.00117	0.00863	1	03/08/2021 14:59	WG1631013
(S) Toluene-d8	*103*			*75.0-131*		*03/08/2021 14:59*	WG1631013
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*03/08/2021 14:59*	WG1631013
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*		*03/08/2021 14:59*	WG1631013

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		1.87	4.65	1	03/07/2021 08:52	WG1630544
C28-C40 Oil Range	2.36	B J	0.319	4.65	1	03/07/2021 08:52	WG1630544
(S) o-Terphenyl	*45.7*			*18.0-148*		*03/07/2021 08:52*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	03/07/2021 16:12	WG1630805

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	160		9.52	20.7	1	03/08/2021 20:49	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.103	1	03/07/2021 06:31	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*03/07/2021 06:31*	WG1630688

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000500	0.00107	1	03/08/2021 15:18	WG1631013
Toluene	0.00204	J	0.00139	0.00535	1	03/08/2021 15:18	WG1631013
Ethylbenzene	U		0.000789	0.00268	1	03/08/2021 15:18	WG1631013
Total Xylenes	0.00278	J	0.000942	0.00696	1	03/08/2021 15:18	WG1631013
(S) Toluene-d8	*104*			*75.0-131*		*03/08/2021 15:18*	WG1631013
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*		*03/08/2021 15:18*	WG1631013
(S) 1,2-Dichloroethane-d4	*85.1*			*70.0-130*		*03/08/2021 15:18*	WG1631013

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	3.20	J	1.67	4.14	1	03/07/2021 08:38	WG1630544
C28-C40 Oil Range	8.24		0.284	4.14	1	03/07/2021 08:38	WG1630544
(S) o-Terphenyl	*61.2*			*18.0-148*		*03/07/2021 08:38*	WG1630544

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	03/07/2021 16:12	WG1630805

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		9.58	20.8	1	03/08/2021 20:59	WG1630923

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	03/07/2021 07:47	WG1630688
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*03/07/2021 07:47*	WG1630688

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	03/08/2021 15:37	WG1631013
Toluene	0.00164	J	0.00141	0.00542	1	03/08/2021 15:37	WG1631013
Ethylbenzene	U		0.000798	0.00271	1	03/08/2021 15:37	WG1631013
Total Xylenes	0.00231	J	0.000953	0.00704	1	03/08/2021 15:37	WG1631013
(S) Toluene-d8	*102*			*75.0-131*		*03/08/2021 15:37*	WG1631013
(S) 4-Bromofluorobenzene	*90.1*			*67.0-138*		*03/08/2021 15:37*	WG1631013
(S) 1,2-Dichloroethane-d4	*83.9*			*70.0-130*		*03/08/2021 15:37*	WG1631013

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	03/07/2021 09:05	WG1630544
C28-C40 Oil Range	2.98	B J	0.285	4.17	1	03/07/2021 09:05	WG1630544
(S) o-Terphenyl	*37.0*			*18.0-148*		*03/07/2021 09:05*	WG1630544

Method Blank (MB)

(MB) R3628593-1 03/07/21 15:57

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

L1323927-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1323927-01 03/07/21 15:57 • (DUP) R3628593-3 03/07/21 15:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.4	95.3	1	2.09		10

Laboratory Control Sample (LCS)

(LCS) R3628593-2 03/07/21 15:57

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) R3628595-1 03/07/21 16:45

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

L1323927-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1323927-05 03/07/21 16:45 • (DUP) R3628595-3 03/07/21 16:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.3	94.7	1	0.616		10

Laboratory Control Sample (LCS)

(LCS) R3628595-2 03/07/21 16:45

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) R3628594-1 03/07/21 16:12

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

L1323927-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1323927-15 03/07/21 16:12 • (DUP) R3628594-3 03/07/21 16:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.4	93.2	1	1.95		10

Laboratory Control Sample (LCS)

(LCS) R3628594-2 03/07/21 16:12

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) R3628552-1 03/08/21 16:17

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

L1323927-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1323927-03 03/08/21 17:10 • (DUP) R3628552-3 03/08/21 17:20

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	114	115	1	0.628		20

L1323927-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1323927-13 03/08/21 19:14 • (DUP) R3628552-4 03/08/21 19:23

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	57.0	57.3	1	0.526		20

Laboratory Control Sample (LCS)

(LCS) R3628552-2 03/08/21 16:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	192	96.1	90.0-110	

L1323927-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1323927-13 03/08/21 19:14 • (MS) R3628552-5 03/08/21 19:33 • (MSD) R3628552-6 03/08/21 19:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	528	57.0	596	569	102	97.0	1	80.0-120			4.51	20

Method Blank (MB)

(MB) R3628448-2 03/06/21 22:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3628448-1 03/06/21 21:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.54	119	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*115*	*77.0-120*	

Method Blank (MB)

(MB) R3628647-2 03/09/21 03:21

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) R3628647-1 03/09/21 02:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.30	96.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	

Method Blank (MB)

(MB) R3628658-2 03/08/21 08:57

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	*92.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3628658-1 03/08/21 07:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.112	89.6	70.0-123	
Ethylbenzene	0.125	0.104	83.2	74.0-126	
Toluene	0.125	0.108	86.4	75.0-121	
Xylenes, Total	0.375	0.308	82.1	72.0-127	
(S) Toluene-d8			*98.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*92.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*92.6*	*70.0-130*	

L1323927-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1323927-13 03/08/21 13:43 • (MS) R3628658-3 03/08/21 16:15 • (MSD) R3628658-4 03/08/21 16:34

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	0.139	U	0.0685	0.0555	49.2	39.8	1	10.0-149			21.0	37
Ethylbenzene	0.139	U	0.0653	0.0519	46.9	37.3	1	10.0-160			22.8	38
Toluene	0.139	0.00209	0.0700	0.0557	48.8	38.5	1	10.0-156			22.9	38
Xylenes, Total	0.418	0.00354	0.188	0.157	44.2	36.8	1	10.0-160			18.1	38
(S) Toluene-d8					*101*	*102*		*75.0-131*				
(S) 4-Bromofluorobenzene					*91.4*	*93.5*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*85.8*	*85.9*		*70.0-130*				

Received by OCD: 6/2/2021 11:23:08 PM

Semi-Volatile Organic Compounds (GC) by Method 8015

L1323927-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19

Method Blank (MB)

(MB) R3628140-1 03/07/21 08:12

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	0.793	J	0.274	4.00
(S) o-Terphenyl	*60.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3628140-2 03/07/21 08:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.0	74.0	50.0-150	
(S) o-Terphenyl			*79.1*	*18.0-148*	

L1323927-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1323927-09 03/07/21 15:27 • (MS) R3628140-3 03/07/21 15:40 • (MSD) R3628140-4 03/07/21 15:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	53.0	80.7	129	133	91.8	97.8	1	50.0-150			2.43	20
(S) o-Terphenyl					*67.3*	*80.6*		*18.0-148*				

Released to Imaging: 8/6/2021 11:09:22 AM

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.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

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

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

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-

A190 U323927

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
-01	CSW-1	3/5/2021	8:45		X				X			1	N	X		X												X					
-02	CSW-2	3/5/2021	8:55		X				X			1	N	X		X												X					
-03	CSW-3	3/5/2021	9:05		X				X			1	N	X		X												X					
-04	CSW-4	3/5/2021	9:15		X				X			1	N	X		X												X					
-05	CSW-5	3/5/2021	9:25		X				X			1	N	X		X												X					
-06	CSW-6	3/5/2021	9:35		X				X			1	N	X		X												X					
-07	CSW-7	3/5/2021	9:45		X				X			1	N	X		X												X					
-08	CSW-8	3/5/2021	9:55		X				X			1	N	X		X												X					
-09	CSW-9	3/5/2021	10:05		X				X			1	N	X		X												X					
-10	CSW-10	3/5/2021	10:15		X				X			1	N	X		X												X					

Relinquished by:	Date: 3/5/21	Time: 1500	Received by: B. Barras
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 3/6/21 Time: 1070

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 #: _____

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MTBE 0.14 0.0 0.1

1222 0813 0885

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-

4328927

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
-11	CSW-11	3/5/2021	10:35		X				X			1	N	X		X												X					
-12	FS-2 (2.5')	3/5/2021	10:40		X				X			1	N	X		X												X					
-13	FS-7	3/5/2021	10:45		X				X			1	N	X		X												X					
-14	FS-8	3/5/2021	10:50		X				X			1	N	X		X												X					
-15	FS-9	3/5/2021	10:55		X				X			1	N	X		X												X					
-16	FS-10	3/5/2021	11:00		X				X			1	N	X		X												X					
-17	FS-11	3/5/2021	11:05		X				X			1	N	X		X												X					
-18	FS-12	3/5/2021	11:10		X				X			1	N	X		X												X					
-19	FS-13	3/5/2021	11:15		X				X			1	N	X		X												X					

Relinquished by:	Date: 3/5/21	Time: 1500	Received by: B. Baird
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 3/6/21 Time: 1000

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

AT 6C
0.1+.0=0.1

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPTETRA	LB23927	
Cooler Received/Opened On: 3 / 6 / 21 Temperature:	0.1	
Received By: Bill Barras		
Signature: B. Barras		

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?			

ANALYTICAL REPORT

March 12, 2021

ConocoPhillips - Tetra Tech

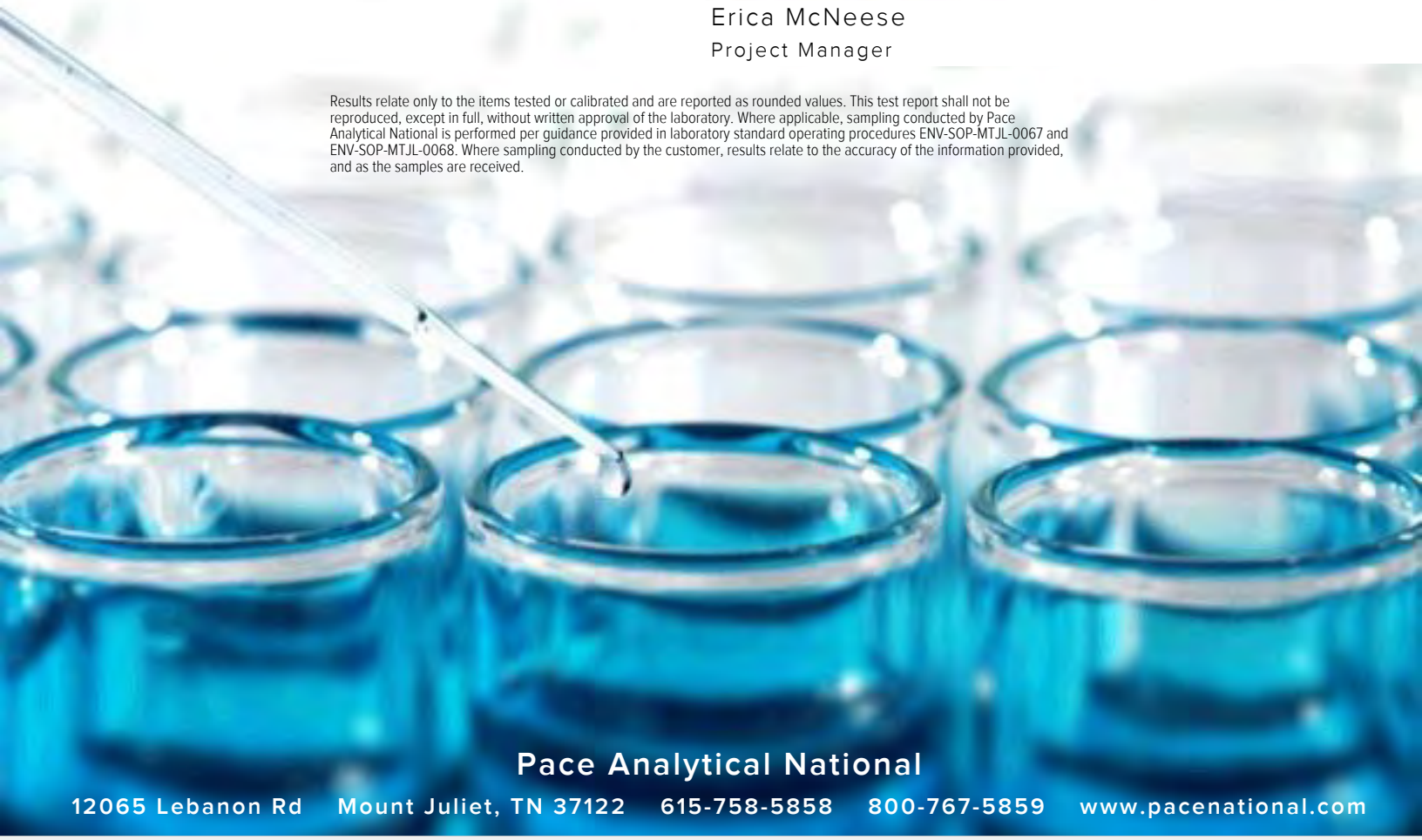
Sample Delivery Group:	L1324887
Samples Received:	03/10/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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

Entire Report Reviewed By:

Erica McNeese
Project Manager

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



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

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CSW-10 (2') L1324887-04 10

CSW-11 (2') L1324887-05 11

FS-8 (4') L1324887-06 12

FS-9 (4') L1324887-07 13

ESW-2 (6') L1324887-08 14

ESW-4 (6') L1324887-09 15

WSW-6 (6') L1324887-10 16

SSW-1 (6') L1324887-11 17

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CSW-7 (2') L1324887-01 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 08:55 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 01:26	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	37.5	03/09/21 08:55	03/10/21 17:38	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.5	03/09/21 08:55	03/11/21 12:42	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 12:57	WCR	Mt. Juliet, TN

CSW-8 (2') L1324887-02 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 09:05 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 01:36	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	32	03/09/21 09:05	03/10/21 18:00	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.28	03/09/21 09:05	03/11/21 13:01	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/12/21 12:47	JDG	Mt. Juliet, TN

CSW-9 (2') L1324887-03 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 09:15 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 01:45	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	43.5	03/09/21 09:15	03/10/21 18:22	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.74	03/09/21 09:15	03/11/21 13:20	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	5	03/11/21 01:26	03/11/21 14:08	WCR	Mt. Juliet, TN

CSW-10 (2') L1324887-04 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 09:25 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 01:55	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	44.3	03/09/21 09:25	03/10/21 18:44	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.77	03/09/21 09:25	03/11/21 13:39	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	5	03/11/21 01:26	03/11/21 14:21	WCR	Mt. Juliet, TN

CSW-11 (2') L1324887-05 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 09:35 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 02:04	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	30	03/09/21 09:35	03/10/21 19:06	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.2	03/09/21 09:35	03/11/21 13:58	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	10	03/11/21 01:26	03/11/21 14:34	WCR	Mt. Juliet, TN

FS-8 (4') L1324887-06 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 09:45 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 02:14	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	43	03/09/21 09:45	03/10/21 19:28	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.72	03/09/21 09:45	03/11/21 14:17	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/12/21 13:00	JDG	Mt. Juliet, TN

FS-9 (4') L1324887-07 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 09:55 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 02:33	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	32.3	03/09/21 09:55	03/10/21 19:50	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.29	03/09/21 09:55	03/11/21 14:36	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 13:10	WCR	Mt. Juliet, TN

ESW-2 (6') L1324887-08 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 11:05 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632437	1	03/10/21 15:31	03/10/21 15:37	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:01	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	29	03/09/21 11:05	03/10/21 20:12	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.16	03/09/21 11:05	03/11/21 14:55	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 13:29	WCR	Mt. Juliet, TN

ESW-4 (6') L1324887-09 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 11:10 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632439	1	03/11/21 08:58	03/11/21 09:06	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:11	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	37	03/09/21 11:10	03/10/21 20:34	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.48	03/09/21 11:10	03/11/21 15:14	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 12:18	WCR	Mt. Juliet, TN

WSW-6 (6') L1324887-10 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 10:55 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632439	1	03/11/21 08:58	03/11/21 09:06	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:21	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632512	32.3	03/09/21 10:55	03/10/21 20:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.29	03/09/21 10:55	03/11/21 15:33	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 12:44	WCR	Mt. Juliet, TN

SSW-1 (6') L1324887-11 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 10:35 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632439	1	03/11/21 08:58	03/11/21 09:06	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:30	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632718	30.5	03/09/21 10:35	03/11/21 10:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.22	03/09/21 10:35	03/11/21 15:52	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 12:05	WCR	Mt. Juliet, TN

SSW-2 (6') L1324887-12 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 10:40 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632439	1	03/11/21 08:58	03/11/21 09:06	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:40	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632718	44.3	03/09/21 10:40	03/11/21 10:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.77	03/09/21 10:40	03/11/21 16:11	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 11:52	WCR	Mt. Juliet, TN

WSW-4 (6') L1324887-13 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 10:45 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632439	1	03/11/21 08:58	03/11/21 09:06	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:49	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632718	29.8	03/09/21 10:45	03/11/21 10:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.19	03/09/21 10:45	03/11/21 16:48	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632440	1	03/11/21 01:26	03/11/21 12:31	WCR	Mt. Juliet, TN

WSW-5 (8') L1324887-14 Solid

Collected by: John Thurston | Collected date/time: 03/09/21 10:50 | Received date/time: 03/10/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1632439	1	03/11/21 08:58	03/11/21 09:06	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1632608	1	03/10/21 20:21	03/11/21 03:59	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1632718	25.5	03/09/21 10:50	03/11/21 11:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1633030	1.02	03/09/21 10:50	03/11/21 17:07	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1632445	1	03/11/21 07:00	03/11/21 16:29	TJD	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	84.8		1	03/10/2021 15:37	WG1632437

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	38.2		10.9	23.6	1	03/11/2021 01:26	WG1632608

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		1.06	4.87	37.5	03/10/2021 17:38	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*03/10/2021 17:38*	WG1632512

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		0.000911	0.00195	1.5	03/11/2021 12:42	WG1633030
Toluene	U		0.00253	0.00974	1.5	03/11/2021 12:42	WG1633030
Ethylbenzene	U		0.00144	0.00487	1.5	03/11/2021 12:42	WG1633030
Total Xylenes	U		0.00171	0.0127	1.5	03/11/2021 12:42	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 12:42*	WG1633030
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*03/11/2021 12:42*	WG1633030
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*03/11/2021 12:42*	WG1633030

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	34.8		1.90	4.72	1	03/11/2021 12:57	WG1632440
C28-C40 Oil Range	48.2		0.323	4.72	1	03/11/2021 12:57	WG1632440
(S) o-Terphenyl	*39.8*			*18.0-148*		*03/11/2021 12:57*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	03/10/2021 15:37	WG1632437

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	51.1		10.2	22.1	1	03/11/2021 01:36	WG1632608

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		0.823	3.80	32	03/10/2021 18:00	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*03/10/2021 18:00*	WG1632512

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		0.000709	0.00152	1.28	03/11/2021 13:01	WG1633030
Toluene	U		0.00197	0.00759	1.28	03/11/2021 13:01	WG1633030
Ethylbenzene	U		0.00112	0.00380	1.28	03/11/2021 13:01	WG1633030
Total Xylenes	U		0.00134	0.00987	1.28	03/11/2021 13:01	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 13:01*	WG1633030
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*03/11/2021 13:01*	WG1633030
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*03/11/2021 13:01*	WG1633030

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	8.41		1.78	4.42	1	03/12/2021 12:47	WG1632440
C28-C40 Oil Range	16.7		0.303	4.42	1	03/12/2021 12:47	WG1632440
(S) o-Terphenyl	*50.5*			*18.0-148*		*03/12/2021 12:47*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	03/10/2021 15:37	WG1632437

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	92.5		9.76	21.2	1	03/11/2021 01:45	WG1632608

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	4.77	43.5	03/10/2021 18:22	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*03/10/2021 18:22*	WG1632512

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		0.000891	0.00191	1.74	03/11/2021 13:20	WG1633030
Toluene	U		0.00248	0.00953	1.74	03/11/2021 13:20	WG1633030
Ethylbenzene	U		0.00140	0.00477	1.74	03/11/2021 13:20	WG1633030
Total Xylenes	U		0.00168	0.0124	1.74	03/11/2021 13:20	WG1633030
(S) Toluene-d8	*107*			*75.0-131*		*03/11/2021 13:20*	WG1633030
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/11/2021 13:20*	WG1633030
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*03/11/2021 13:20*	WG1633030

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	37.3		8.54	21.2	5	03/11/2021 14:08	WG1632440
C28-C40 Oil Range	103		1.45	21.2	5	03/11/2021 14:08	WG1632440
(S) o-Terphenyl	*68.7*			*18.0-148*		*03/11/2021 14:08*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	03/10/2021 15:37	WG1632437

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	132		9.79	21.3	1	03/11/2021 01:55	WG1632608

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		1.06	4.87	44.3	03/10/2021 18:44	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*03/10/2021 18:44*	WG1632512

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		0.000910	0.00195	1.77	03/11/2021 13:39	WG1633030
Toluene	U		0.00253	0.00973	1.77	03/11/2021 13:39	WG1633030
Ethylbenzene	U		0.00143	0.00487	1.77	03/11/2021 13:39	WG1633030
Total Xylenes	U		0.00172	0.0126	1.77	03/11/2021 13:39	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 13:39*	WG1633030
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*03/11/2021 13:39*	WG1633030
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*03/11/2021 13:39*	WG1633030

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	74.5		8.56	21.3	5	03/11/2021 14:21	WG1632440
C28-C40 Oil Range	205		1.46	21.3	5	03/11/2021 14:21	WG1632440
(S) o-Terphenyl	*49.2*			*18.0-148*		*03/11/2021 14:21*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	03/10/2021 15:37	WG1632437

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	19.7	J	10.5	22.8	1	03/11/2021 02:04	WG1632608

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		0.816	3.76	30	03/10/2021 19:06	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*03/10/2021 19:06*	WG1632512

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		0.000702	0.00150	1.2	03/11/2021 13:58	WG1633030
Toluene	U		0.00196	0.00752	1.2	03/11/2021 13:58	WG1633030
Ethylbenzene	U		0.00111	0.00376	1.2	03/11/2021 13:58	WG1633030
Total Xylenes	U		0.00133	0.00978	1.2	03/11/2021 13:58	WG1633030
(S) Toluene-d8	*107*			*75.0-131*		*03/11/2021 13:58*	WG1633030
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*03/11/2021 13:58*	WG1633030
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*03/11/2021 13:58*	WG1633030

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	71.4		18.3	45.5	10	03/11/2021 14:34	WG1632440
C28-C40 Oil Range	217		3.12	45.5	10	03/11/2021 14:34	WG1632440
(S) o-Terphenyl	*69.7*			*18.0-148*		*03/11/2021 14:34*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	03/10/2021 15:37	WG1632437

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	59.9		10.4	22.7	1	03/11/2021 02:14	WG1632608

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		1.13	5.22	43	03/10/2021 19:28	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*03/10/2021 19:28*	WG1632512

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		0.000975	0.00209	1.72	03/11/2021 14:17	WG1633030
Toluene	U		0.00272	0.0104	1.72	03/11/2021 14:17	WG1633030
Ethylbenzene	U		0.00154	0.00522	1.72	03/11/2021 14:17	WG1633030
Total Xylenes	U		0.00183	0.0136	1.72	03/11/2021 14:17	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 14:17*	WG1633030
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/11/2021 14:17*	WG1633030
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*03/11/2021 14:17*	WG1633030

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	12.7		1.83	4.54	1	03/12/2021 13:00	WG1632440
C28-C40 Oil Range	18.2		0.311	4.54	1	03/12/2021 13:00	WG1632440
(S) o-Terphenyl	*45.2*			*18.0-148*		*03/12/2021 13:00*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	03/10/2021 15:37	WG1632437

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	107		10.1	22.0	1	03/11/2021 02:33	WG1632608

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		0.825	3.80	32.3	03/10/2021 19:50	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*77.0-120*		*03/10/2021 19:50*	WG1632512

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		0.000708	0.00152	1.29	03/11/2021 14:36	WG1633030
Toluene	U		0.00198	0.00759	1.29	03/11/2021 14:36	WG1633030
Ethylbenzene	U		0.00112	0.00380	1.29	03/11/2021 14:36	WG1633030
Total Xylenes	U		0.00134	0.00987	1.29	03/11/2021 14:36	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 14:36*	WG1633030
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*03/11/2021 14:36*	WG1633030
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*03/11/2021 14:36*	WG1633030

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	3.39	J	1.77	4.40	1	03/11/2021 13:10	WG1632440
C28-C40 Oil Range	6.06		0.301	4.40	1	03/11/2021 13:10	WG1632440
(S) o-Terphenyl	*59.0*			*18.0-148*		*03/11/2021 13:10*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	03/10/2021 15:37	WG1632437

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		9.66	21.0	1	03/11/2021 03:01	WG1632608

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		0.688	3.17	29	03/10/2021 20:12	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-120*		*03/10/2021 20:12*	WG1632512

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		0.000593	0.00127	1.16	03/11/2021 14:55	WG1633030
Toluene	U		0.00165	0.00635	1.16	03/11/2021 14:55	WG1633030
Ethylbenzene	U		0.000935	0.00317	1.16	03/11/2021 14:55	WG1633030
Total Xylenes	U		0.00112	0.00825	1.16	03/11/2021 14:55	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 14:55*	WG1633030
(S) 4-Bromofluorobenzene	*98.5*			*67.0-138*		*03/11/2021 14:55*	WG1633030
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*03/11/2021 14:55*	WG1633030

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.09		1.69	4.20	1	03/11/2021 13:29	WG1632440
C28-C40 Oil Range	30.5		0.288	4.20	1	03/11/2021 13:29	WG1632440
(S) o-Terphenyl	*46.8*			*18.0-148*		*03/11/2021 13:29*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	03/11/2021 09:06	WG1632439

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	126		10.1	22.0	1	03/11/2021 03:11	WG1632608

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		0.934	4.30	37	03/10/2021 20:34	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*03/10/2021 20:34*	WG1632512

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		0.000804	0.00172	1.48	03/11/2021 15:14	WG1633030
Toluene	U		0.00223	0.00861	1.48	03/11/2021 15:14	WG1633030
Ethylbenzene	U		0.00127	0.00430	1.48	03/11/2021 15:14	WG1633030
Total Xylenes	U		0.00151	0.0112	1.48	03/11/2021 15:14	WG1633030
(S) Toluene-d8	*107*			*75.0-131*		*03/11/2021 15:14*	WG1633030
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/11/2021 15:14*	WG1633030
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*03/11/2021 15:14*	WG1633030

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	3.92	J	1.77	4.39	1	03/11/2021 12:18	WG1632440
C28-C40 Oil Range	9.22		0.301	4.39	1	03/11/2021 12:18	WG1632440
(S) o-Terphenyl	*47.9*			*18.0-148*		*03/11/2021 12:18*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	03/11/2021 09:06	WG1632439

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		9.63	20.9	1	03/11/2021 03:21	WG1632608

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		0.759	3.50	32.3	03/10/2021 20:56	WG1632512
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*77.0-120*		*03/10/2021 20:56*	WG1632512

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		0.000652	0.00140	1.29	03/11/2021 15:33	WG1633030
Toluene	U		0.00182	0.00699	1.29	03/11/2021 15:33	WG1633030
Ethylbenzene	U		0.00103	0.00350	1.29	03/11/2021 15:33	WG1633030
Total Xylenes	U		0.00123	0.00909	1.29	03/11/2021 15:33	WG1633030
(S) Toluene-d8	*108*			*75.0-131*		*03/11/2021 15:33*	WG1633030
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/11/2021 15:33*	WG1633030
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*03/11/2021 15:33*	WG1633030

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.27		1.69	4.19	1	03/11/2021 12:44	WG1632440
C28-C40 Oil Range	22.3		0.287	4.19	1	03/11/2021 12:44	WG1632440
(S) o-Terphenyl	*55.7*			*18.0-148*		*03/11/2021 12:44*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	03/11/2021 09:06	WG1632439

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	130		10.2	22.2	1	03/11/2021 03:30	WG1632608

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		0.797	3.67	30.5	03/11/2021 10:14	WG1632718
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*03/11/2021 10:14*	WG1632718

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		0.000686	0.00147	1.22	03/11/2021 15:52	WG1633030
Toluene	U		0.00191	0.00735	1.22	03/11/2021 15:52	WG1633030
Ethylbenzene	U		0.00108	0.00367	1.22	03/11/2021 15:52	WG1633030
Total Xylenes	U		0.00129	0.00955	1.22	03/11/2021 15:52	WG1633030
(S) Toluene-d8	*107*			*75.0-131*		*03/11/2021 15:52*	WG1633030
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*03/11/2021 15:52*	WG1633030
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*03/11/2021 15:52*	WG1633030

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.03		1.79	4.45	1	03/11/2021 12:05	WG1632440
C28-C40 Oil Range	7.45		0.305	4.45	1	03/11/2021 12:05	WG1632440
(S) o-Terphenyl	*50.3*			*18.0-148*		*03/11/2021 12:05*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	03/11/2021 09:06	WG1632439

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	125		10.0	21.8	1	03/11/2021 03:40	WG1632608

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		1.10	5.07	44.3	03/11/2021 10:36	WG1632718
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-120*		*03/11/2021 10:36*	WG1632718

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		0.000946	0.00202	1.77	03/11/2021 16:11	WG1633030
Toluene	U		0.00263	0.0101	1.77	03/11/2021 16:11	WG1633030
Ethylbenzene	U		0.00149	0.00507	1.77	03/11/2021 16:11	WG1633030
Total Xylenes	U		0.00178	0.0132	1.77	03/11/2021 16:11	WG1633030
(S) Toluene-d8	*106*			*75.0-131*		*03/11/2021 16:11*	WG1633030
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*03/11/2021 16:11*	WG1633030
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*03/11/2021 16:11*	WG1633030

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	3.11	J	1.76	4.37	1	03/11/2021 11:52	WG1632440
C28-C40 Oil Range	4.71		0.299	4.37	1	03/11/2021 11:52	WG1632440
(S) o-Terphenyl	*63.6*			*18.0-148*		*03/11/2021 11:52*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	03/11/2021 09:06	WG1632439

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	125		10.1	22.0	1	03/11/2021 03:49	WG1632608

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	0.935	J	0.766	3.53	29.8	03/11/2021 10:58	WG1632718
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*03/11/2021 10:58*	WG1632718

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		0.000658	0.00141	1.19	03/11/2021 16:48	WG1633030
Toluene	U		0.00183	0.00704	1.19	03/11/2021 16:48	WG1633030
Ethylbenzene	U		0.00104	0.00352	1.19	03/11/2021 16:48	WG1633030
Total Xylenes	0.00187	J	0.00124	0.00916	1.19	03/11/2021 16:48	WG1633030
(S) Toluene-d8	*109*			*75.0-131*		*03/11/2021 16:48*	WG1633030
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*03/11/2021 16:48*	WG1633030
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*03/11/2021 16:48*	WG1633030

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	4.31	J	1.77	4.40	1	03/11/2021 12:31	WG1632440
C28-C40 Oil Range	9.41		0.301	4.40	1	03/11/2021 12:31	WG1632440
(S) o-Terphenyl	*47.0*			*18.0-148*		*03/11/2021 12:31*	WG1632440

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	03/11/2021 09:06	WG1632439

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		9.64	21.0	1	03/11/2021 03:59	WG1632608

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	0.981	J	0.605	2.79	25.5	03/11/2021 11:20	WG1632718
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-120*		*03/11/2021 11:20*	WG1632718

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000521	0.00112	1.02	03/11/2021 17:07	WG1633030
Toluene	U		0.00146	0.00558	1.02	03/11/2021 17:07	WG1633030
Ethylbenzene	U		0.000823	0.00279	1.02	03/11/2021 17:07	WG1633030
Total Xylenes	U		0.000983	0.00726	1.02	03/11/2021 17:07	WG1633030
(S) Toluene-d8	*107*			*75.0-131*		*03/11/2021 17:07*	WG1633030
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*		*03/11/2021 17:07*	WG1633030
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*03/11/2021 17:07*	WG1633030

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	8.20		1.69	4.19	1	03/11/2021 16:29	WG1632445
C28-C40 Oil Range	11.6		0.287	4.19	1	03/11/2021 16:29	WG1632445
(S) o-Terphenyl	*70.9*			*18.0-148*		*03/11/2021 16:29*	WG1632445

Received by OCD: 6/2/2021 11:23:08 PM

Method Blank (MB)

(MB) R3629633-1 03/10/21 15:37

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

L1324880-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1324880-01 03/10/21 15:37 • (DUP) R3629633-3 03/10/21 15:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.5	80.1	1	0.829		10

Laboratory Control Sample (LCS)

(LCS) R3629633-2 03/10/21 15:37

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

Released to Imaging: 8/6/2021 11:09:22 AM

Received by OCD: 6/2/2021 11:23:08 PM

Method Blank (MB)

(MB) R3629754-1 03/11/21 09:06

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

L1324887-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1324887-10 03/11/21 09:06 • (DUP) R3629754-3 03/11/21 09:06

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.5	95.3	1	0.257		10

Laboratory Control Sample (LCS)

(LCS) R3629754-2 03/11/21 09:06

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

Released to Imaging: 8/6/2021 11:09:22 AM

Method Blank (MB)

(MB) R3629540-1 03/10/21 22:42

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

L1324278-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1324278-01 03/11/21 00:20 • (DUP) R3629540-6 03/11/21 00:29

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1670	1670	5	0.0385		20

L1324887-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1324887-06 03/11/21 02:14 • (DUP) R3629540-7 03/11/21 02:23

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	59.9	66.1	1	9.76		20

Laboratory Control Sample (LCS)

(LCS) R3629540-2 03/10/21 22:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	197	98.3	90.0-110	

L1324278-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1324278-01 03/10/21 23:42 • (MS) R3629540-4 03/11/21 00:01 • (MSD) R3629540-5 03/11/21 00:10

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	1710	2190	2230	95.3	103	1	80.0-120	E	E	1.79	20

Method Blank (MB)

(MB) R3629391-2 03/10/21 14:43

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)	*97.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3629391-1 03/10/21 13:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.06	110	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*113*	*77.0-120*	

L1324880-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1324880-02 03/10/21 16:32 • (MS) R3629391-3 03/11/21 00:58 • (MSD) R3629391-4 03/11/21 01:20

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	149	26.6	173	180	98.2	103	25	10.0-151			4.29	28
(S) a,a,a-Trifluorotoluene(FID)					*111*	*112*		*77.0-120*				

Method Blank (MB)

(MB) R3629574-3 03/11/21 03:37

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)	*98.6*			*77.0-120*

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

(LCS) R3629574-1 03/11/21 02:26 • (LCSD) R3629574-2 03/11/21 02:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.28	4.64	96.0	84.4	72.0-127			12.9	20
(S) a,a,a-Trifluorotoluene(FID)				*111*	*109*	*77.0-120*				

L1324887-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1324887-11 03/11/21 10:14 • (MS) R3629574-4 03/11/21 12:04 • (MSD) R3629574-5 03/11/21 12:26

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	202	U	160	160	79.2	79.2	30.5	10.0-151			0.000	28
(S) a,a,a-Trifluorotoluene(FID)					*102*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3629905-3 03/11/21 11:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

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

(LCS) R3629905-1 03/11/21 10:12 • (LCSD) R3629905-2 03/11/21 10:30

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	0.111	0.110	88.8	88.0	70.0-123			0.905	20
Ethylbenzene	0.125	0.111	0.111	88.8	88.8	74.0-126			0.000	20
Toluene	0.125	0.114	0.114	91.2	91.2	75.0-121			0.000	20
Xylenes, Total	0.375	0.328	0.329	87.5	87.7	72.0-127			0.304	20
(S) Toluene-d8				*108*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*99.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.0*	*97.6*	*70.0-130*				

Method Blank (MB)

(MB) R3629575-1 03/11/21 08:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	0.274	J	0.274	4.00
(S) o-Terphenyl	*64.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3629575-2 03/11/21 08:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	39.6	79.2	50.0-150	
(S) o-Terphenyl			*68.6*	*18.0-148*	

L1322356-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1322356-03 03/11/21 09:55 • (MS) R3629575-3 03/11/21 10:08 • (MSD) R3629575-4 03/11/21 10:21

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	49.1	337	226	226	0.000	0.000	100	50.0-150	V	V	0.000	20
(S) o-Terphenyl					*76.8*	*80.8*		*18.0-148*	J7	J7		

Method Blank (MB)

(MB) R3629958-1 03/11/21 15:22

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	1.01	J	0.274	4.00
(S) o-Terphenyl	*60.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3629958-2 03/11/21 15:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.1	80.2	50.0-150	
(S) o-Terphenyl			*92.5*	*18.0-148*	

L1322914-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1322914-23 03/11/21 15:48 • (MS) R3629958-3 03/11/21 16:01 • (MSD) R3629958-4 03/11/21 16:15

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	U	38.0	36.0	76.3	72.0	1	50.0-150			5.41	20
(S) o-Terphenyl					*89.3*	*84.2*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

1324887

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	CSW-7 (2')	3/9/2021	8:55		X				X			1	N	X		X												X						01
	CSW-8 (2')	3/9/2021	9:05		X				X			1	N	X		X												X						02
	CSW-9 (2')	3/9/2021	9:15		X				X			1	N	X		X												X						03
	CSW-10 (2')	3/9/2021	9:25		X				X			1	N	X		X												X						04
	CSW-11 (2')	3/9/2021	9:35		X				X			1	N	X		X												X						05
	FS-8 (4')	3/9/2021	9:45		X				X			1	N	X		X												X						06
	FS-9 (4')	3/9/2021	9:55		X				X			1	N	X		X												X						07
	ESW-2 (6')	3/9/2021	11:05		X				X			1	N	X		X												X						08
	ESW-4 (6')	3/9/2021	11:10		X				X			1	N	X		X												X						09
	WSW-6 (6')	3/9/2021	10:55		X				X			1	N	X		X												X						10

Relinquished by:	Date: 3/9/21	Time: 1530	Received by: Caleb Compton Date: 3/10/21 Time: 9:00
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY: M203

1.6 - 2 = 1.4 H20 t

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 #: _____

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N

ORIGINAL COPY

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Received by OCD: 6/2/2021 11:23:08 PM

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall Street, Suite 100
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132487

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	HNO3	ICE	NONE		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	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	
	SSW-1 (6')	3/9/2021	10:35		X				X			1	N	X		X												X							11
	SSW-2 (6')	3/9/2021	10:40		X				X			1	N	X		X												X							12
	WSW-4 (6')	3/9/2021	10:45		X				X			1	N	X		X												X							13
	WSW-5 (8')	3/9/2021	10:50		X				X			1	N	X		X												X							14

Relinquished by: Date: 3/9/21 Time: 1530
Received by: Date: 3/10/21 Time: 9:00

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

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

LAB USE ONLY

Sample Temperature 1.6-2=1.4 +2 0.7

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 #: _____

Sample Receipt Checklist
COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: Y N VOA Zero Headspace: Y N
Bottles arrive intact: Y N Pres.Correct/Check: Y N

RIGINAL COPY

Released to Imaging: 8/6/2021 11:09:22 AM

ANALYTICAL REPORT

March 16, 2021

ConocoPhillips - Tetra Tech

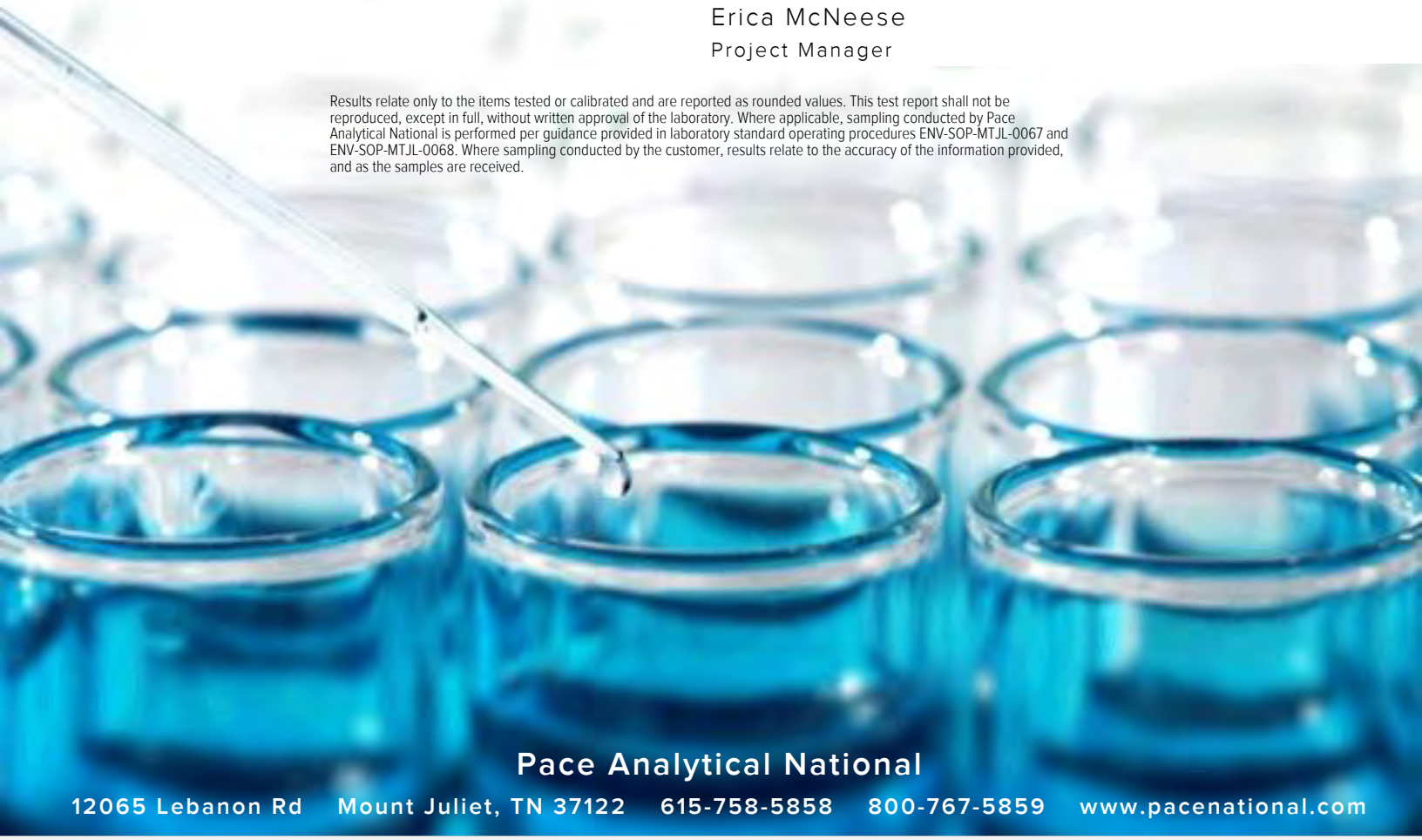
Sample Delivery Group:	L1326630
Samples Received:	03/13/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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

Entire Report Reviewed By:

Erica McNeese
Project Manager

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



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

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CSW-9 (4') L1326630-01 Solid

Collected by: John Thurston
Collected date/time: 03/12/21 10:00
Received date/time: 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1634703	1	03/15/21 08:28	03/15/21 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1633355	1	03/13/21 17:07	03/14/21 00:54	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1634274	1	03/13/21 12:46	03/14/21 17:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1634286	1	03/13/21 12:46	03/13/21 21:18	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1634491	1	03/14/21 17:52	03/15/21 10:26	TJD	Mt. Juliet, TN

CSW-10 (4') L1326630-02 Solid

Collected by: John Thurston
Collected date/time: 03/12/21 10:11
Received date/time: 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1634703	1	03/15/21 08:28	03/15/21 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1633355	1	03/13/21 17:07	03/14/21 01:13	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1634274	1	03/13/21 12:46	03/14/21 18:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1634286	1	03/13/21 12:46	03/13/21 21:37	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1634491	1	03/14/21 17:52	03/15/21 10:40	TJD	Mt. Juliet, TN

CSW-11 (4') L1326630-03 Solid

Collected by: John Thurston
Collected date/time: 03/12/21 10:20
Received date/time: 03/13/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1634703	1	03/15/21 08:28	03/15/21 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1633355	1	03/13/21 17:07	03/14/21 01:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1634780	1	03/13/21 12:46	03/16/21 08:53	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1635064	1	03/13/21 12:46	03/15/21 23:39	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1634491	1	03/14/21 17:52	03/15/21 10:53	TJD	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	94.1		1	03/15/2021 08:38	WG1634703

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	122		9.78	21.3	1	03/14/2021 00:54	WG1633355

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0231	0.106	1	03/14/2021 17:48	WG1634274
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*		*03/14/2021 17:48*	WG1634274

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000526	0.00113	1	03/13/2021 21:18	WG1634286
Toluene	U		0.00146	0.00563	1	03/13/2021 21:18	WG1634286
Ethylbenzene	U		0.000830	0.00282	1	03/13/2021 21:18	WG1634286
Total Xylenes	U		0.000991	0.00732	1	03/13/2021 21:18	WG1634286
(S) Toluene-d8	*102*			*75.0-131*		*03/13/2021 21:18*	WG1634286
(S) 4-Bromofluorobenzene	*93.5*			*67.0-138*		*03/13/2021 21:18*	WG1634286
(S) 1,2-Dichloroethane-d4	*79.4*			*70.0-130*		*03/13/2021 21:18*	WG1634286

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	7.35		1.71	4.25	1	03/15/2021 10:26	WG1634491
C28-C40 Oil Range	19.9		0.291	4.25	1	03/15/2021 10:26	WG1634491
(S) o-Terphenyl	*65.3*			*18.0-148*		*03/15/2021 10:26*	WG1634491

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	03/15/2021 08:38	WG1634703

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		10.6	23.0	1	03/14/2021 01:13	WG1633355

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0249	0.115	1	03/14/2021 18:10	WG1634274
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*03/14/2021 18:10*	WG1634274

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		0.000606	0.00130	1	03/13/2021 21:37	WG1634286
Toluene	U		0.00169	0.00649	1	03/13/2021 21:37	WG1634286
Ethylbenzene	U		0.000956	0.00324	1	03/13/2021 21:37	WG1634286
Total Xylenes	0.00120	J	0.00114	0.00843	1	03/13/2021 21:37	WG1634286
(S) Toluene-d8	*102*			*75.0-131*		*03/13/2021 21:37*	WG1634286
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*		*03/13/2021 21:37*	WG1634286
(S) 1,2-Dichloroethane-d4	*80.4*			*70.0-130*		*03/13/2021 21:37*	WG1634286

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	8.58		1.85	4.59	1	03/15/2021 10:40	WG1634491
C28-C40 Oil Range	21.6		0.315	4.59	1	03/15/2021 10:40	WG1634491
(S) o-Terphenyl	*62.7*			*18.0-148*		*03/15/2021 10:40*	WG1634491

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	03/15/2021 08:38	WG1634703

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	114		10.1	22.0	1	03/14/2021 01:22	WG1633355

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	03/16/2021 08:53	WG1634780
(S) a,a,a-Trifluorotoluene(FID)	*91.9*			*77.0-120*		*03/16/2021 08:53*	WG1634780

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		0.000560	0.00120	1	03/15/2021 23:39	WG1635064
Toluene	0.00345	J	0.00156	0.00600	1	03/15/2021 23:39	WG1635064
Ethylbenzene	U		0.000884	0.00300	1	03/15/2021 23:39	WG1635064
Total Xylenes	0.00171	J	0.00106	0.00779	1	03/15/2021 23:39	WG1635064
(S) Toluene-d8	*101*			*75.0-131*		*03/15/2021 23:39*	WG1635064
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*03/15/2021 23:39*	WG1635064
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/15/2021 23:39*	WG1635064

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	7.10		1.77	4.40	1	03/15/2021 10:53	WG1634491
C28-C40 Oil Range	22.2		0.301	4.40	1	03/15/2021 10:53	WG1634491
(S) o-Terphenyl	*59.0*			*18.0-148*		*03/15/2021 10:53*	WG1634491

Method Blank (MB)

(MB) R3630913-1 03/15/21 08:38

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

L1326630-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1326630-02 03/15/21 08:38 • (DUP) R3630913-3 03/15/21 08:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.1	86.6	1	0.591		10

Laboratory Control Sample (LCS)

(LCS) R3630913-2 03/15/21 08:38

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) R3630539-1 03/13/21 20:14

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

L1324058-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1324058-01 03/13/21 21:06 • (DUP) R3630539-3 03/13/21 21:15

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	24.2	24.6	1	1.95	J	20

L1326630-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1326630-01 03/14/21 00:54 • (DUP) R3630539-6 03/14/21 01:03

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	122	121	1	0.930		20

Laboratory Control Sample (LCS)

(LCS) R3630539-2 03/13/21 20:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	194	96.9	90.0-110	

L1324058-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1324058-01 03/13/21 21:06 • (MS) R3630539-4 03/13/21 21:24 • (MSD) R3630539-5 03/13/21 21:34

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	632	24.2	602	603	91.4	91.6	1	80.0-120			0.226	20

Method Blank (MB)

(MB) R3630742-2 03/14/21 13:46

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)	*97.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3630742-1 03/14/21 13:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.51	118	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*115*	*77.0-120*	

L1324352-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1324352-01 03/14/21 21:28 • (MS) R3630742-3 03/14/21 22:12 • (MSD) R3630742-4 03/14/21 22:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	563	97.2	455	435	63.6	60.0	100	10.0-151			4.53	28
(S) a,a,a-Trifluorotoluene(FID)					*100*	*99.9*		*77.0-120*				

Method Blank (MB)

(MB) R3631111-2 03/16/21 04:19

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)	*97.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3631111-1 03/16/21 03:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.54	101	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*113*	*77.0-120*	

Method Blank (MB)

(MB) R3630860-2 03/13/21 17:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*80.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3630860-1 03/13/21 16:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.116	92.8	70.0-123	
Ethylbenzene	0.125	0.114	91.2	74.0-126	
Toluene	0.125	0.118	94.4	75.0-121	
Xylenes, Total	0.375	0.331	88.3	72.0-127	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*92.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*82.9*	*70.0-130*	

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

Method Blank (MB)

(MB) R3631098-3 03/15/21 21:29

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	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

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

(LCS) R3631098-1 03/15/21 20:14 • (LCSD) R3631098-2 03/15/21 20:33

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	0.121	0.125	96.8	100	70.0-123			3.25	20
Ethylbenzene	0.125	0.104	0.107	83.2	85.6	74.0-126			2.84	20
Toluene	0.125	0.114	0.118	91.2	94.4	75.0-121			3.45	20
Xylenes, Total	0.375	0.314	0.323	83.7	86.1	72.0-127			2.83	20
(S) Toluene-d8				*101*	*100*	*75.0-131*				
(S) 4-Bromofluorobenzene				*95.3*	*94.7*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*104*	*70.0-130*				

Received by OCD: 6/2/2021 11:23:08 PM

Method Blank (MB)

(MB) R3630732-1 03/15/21 07:30

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	*65.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3630732-2 03/15/21 07:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.6	81.2	50.0-150	
(S) o-Terphenyl			*94.4*	*18.0-148*	

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Analysis Request of Chain of Custody Record

F196

Page : 1 of 1

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:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
L1326630																																		
-01	CSW-9 (4')	3/12/2021	10:00		X				X			1	N	X		X												X						
-02	CSW-10 (4')	3/12/2021	10:11		X				X			1	N	X		X												X						
-03	CSW-11 (4')	3/12/2021	10:20		X				X			1	N	X		X												X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	3/12/21	1500			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
				3/13/21	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 #:

Fedex: 1922 0813 0988

NMPA3 4.6 to 4.0

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPTETRA		U1326630
Cooler Received/Opened On: 3 / 13 / 21	Temperature:	4.0
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?			

ANALYTICAL REPORT

March 19, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1328144
Samples Received:	03/18/2021
Project Number:	212C-MD-02425
Description:	Phillips E State 29 Release

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

Entire Report Reviewed By:

Chris McCord
Project Manager

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

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

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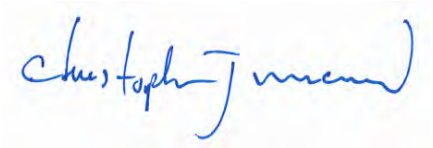
SAMPLE SUMMARY

CSW-4 (5') L1328144-01 Solid

Collected by: John Thurston
Collected date/time: 03/17/21 13:00
Received date/time: 03/18/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1636922	1	03/19/21 08:15	03/19/21 08:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1636858	1	03/18/21 14:56	03/18/21 19:43	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1636890	35.5	03/17/21 13:00	03/19/21 05:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1636902	1.42	03/17/21 13:00	03/18/21 20:06	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1637105	1	03/18/21 16:36	03/19/21 08:22	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	93.8		1	03/19/2021 08:30	WG1636922

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	126		9.81	21.3	1	03/18/2021 19:43	WG1636858

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	1.47	J	0.857	3.95	35.5	03/19/2021 05:47	WG1636890
(S) a,a,a-Trifluorotoluene(FID)	*116*			*77.0-120*		*03/19/2021 05:47*	WG1636890

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		0.000738	0.00158	1.42	03/18/2021 20:06	WG1636902
Toluene	U		0.00206	0.00790	1.42	03/18/2021 20:06	WG1636902
Ethylbenzene	U		0.00117	0.00395	1.42	03/18/2021 20:06	WG1636902
Total Xylenes	U		0.00139	0.0103	1.42	03/18/2021 20:06	WG1636902
(S) Toluene-d8	*104*			*75.0-131*		*03/18/2021 20:06*	WG1636902
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*03/18/2021 20:06*	WG1636902
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/18/2021 20:06*	WG1636902

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	4.84		1.72	4.27	1	03/19/2021 08:22	WG1637105
C28-C40 Oil Range	18.2		0.292	4.27	1	03/19/2021 08:22	WG1637105
(S) o-Terphenyl	*61.2*			*18.0-148*		*03/19/2021 08:22*	WG1637105

Method Blank (MB)

(MB) R3632771-1 03/19/21 08:30

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

L1328144-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1328144-01 03/19/21 08:30 • (DUP) R3632771-3 03/19/21 08:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.8	93.2	1	0.586		10

Laboratory Control Sample (LCS)

(LCS) R3632771-2 03/19/21 08:30

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) R3632582-1 03/18/21 18:32

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

L1326445-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1326445-02 03/18/21 20:20 • (DUP) R3632582-5 03/18/21 20:30

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	471	469	1	0.574		20

L1327234-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1327234-01 03/18/21 21:46 • (DUP) R3632582-6 03/18/21 21:56

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	27700	27500	100	0.751		20

Laboratory Control Sample (LCS)

(LCS) R3632582-2 03/18/21 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	186	92.8	90.0-110	

L1328144-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1328144-01 03/18/21 19:43 • (MS) R3632582-3 03/18/21 19:52 • (MSD) R3632582-4 03/18/21 20:01

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	533	126	669	687	102	105	1	80.0-120			2.68	20

Method Blank (MB)

(MB) R3632556-3 03/19/21 03:26

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)	*114*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3632556-2 03/19/21 02:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.61	102	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

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Method Blank (MB)

(MB) R3632531-3 03/18/21 14:04

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	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

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

(LCS) R3632531-1 03/18/21 12:48 • (LCSD) R3632531-2 03/18/21 13:07

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	0.114	0.117	91.2	93.6	70.0-123			2.60	20
Ethylbenzene	0.125	0.120	0.125	96.0	100	74.0-126			4.08	20
Toluene	0.125	0.116	0.119	92.8	95.2	75.0-121			2.55	20
Xylenes, Total	0.375	0.362	0.353	96.5	94.1	72.0-127			2.52	20
(S) Toluene-d8				*99.2*	*98.7*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*120*	*119*	*70.0-130*				

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Received by OCD: 6/2/2021 11:23:08 PM

Method Blank (MB)

(MB) R3632562-1 03/19/21 07:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	*57.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3632562-2 03/19/21 08:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.6	75.2	50.0-150	
(S) o-Terphenyl			*78.7*	*18.0-148*	

Released to Imaging: 8/6/2021 11:09:22 AM

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RDL (dry)	Reported Detection Limit.
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RPD	Relative Percent Difference.
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(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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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.
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Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Analysis Request of 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

L132814

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Phillips E State 29 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02425
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	CSW-4 (5')	3/17/2021	13:00		X				X			1	N	X		X												X					-01

Relinquished by: Date: 3/17/21 Time: 14:30 — Received by: Glen Enbe Date: 3/18/21 Time: 9am

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

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

LAB USE ONLY

Sample Temperature

7+.1=.8

A2 OT

REMARKS:

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

OK

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

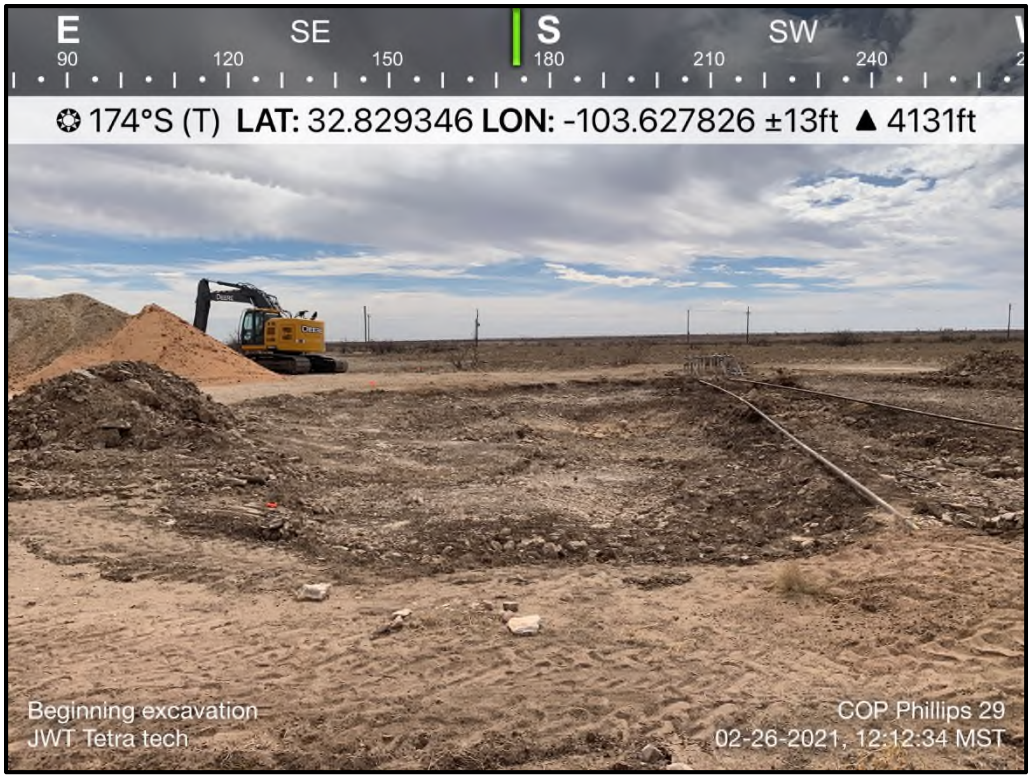
Sample Receipt Checklist

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

ORIGINAL COPY

FED-EX: 1922 0813 1046

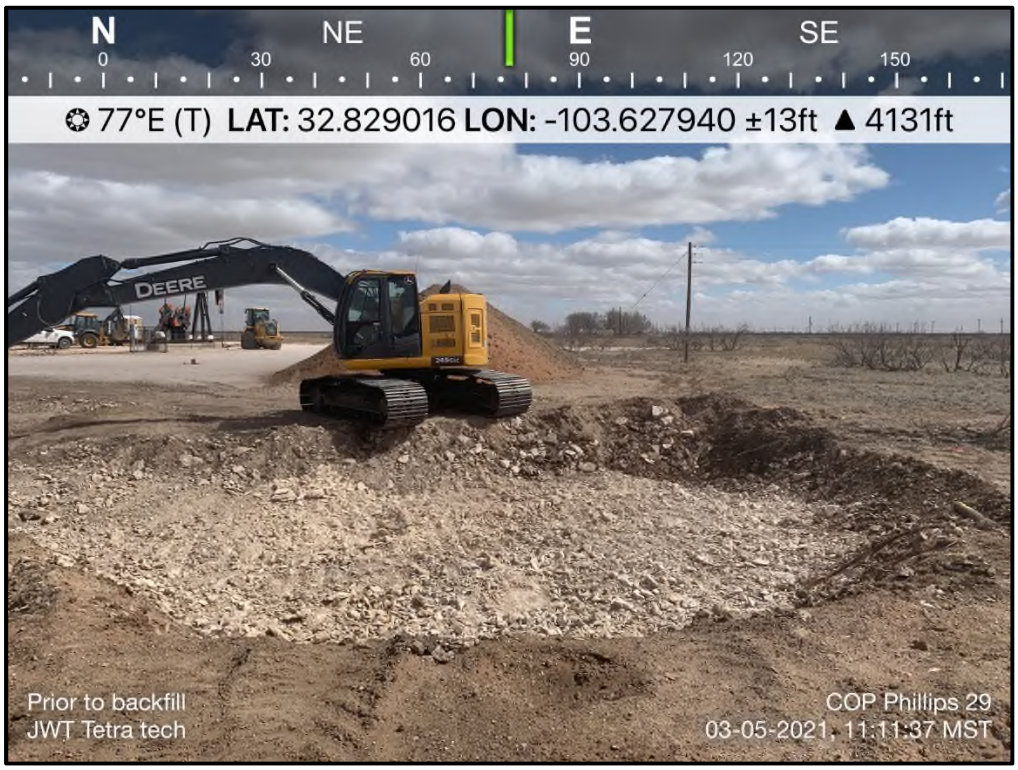
APPENDIX D
Photographic Documentation



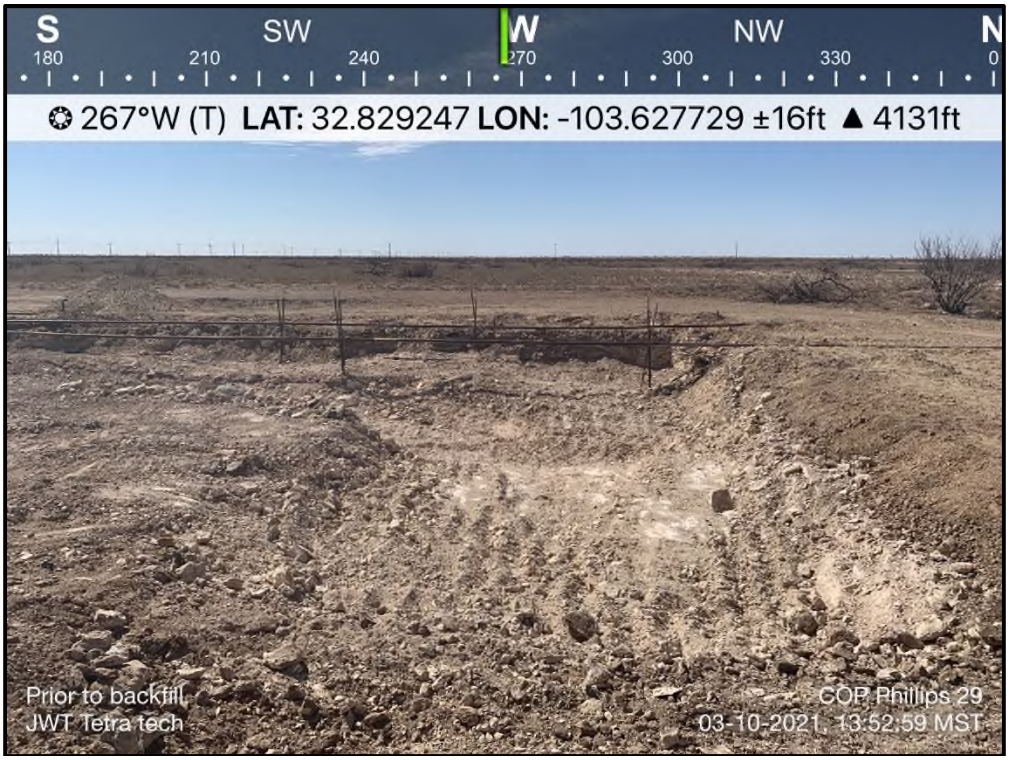
TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View south. 1RP-5778 release footprint.	1
	SITE NAME	Phillips E State #29 Flowline Release	2/26/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View north. 1RP-5778 release footprint.	2
	SITE NAME	Phillips E State #29 Flowline Release	2/26/2021

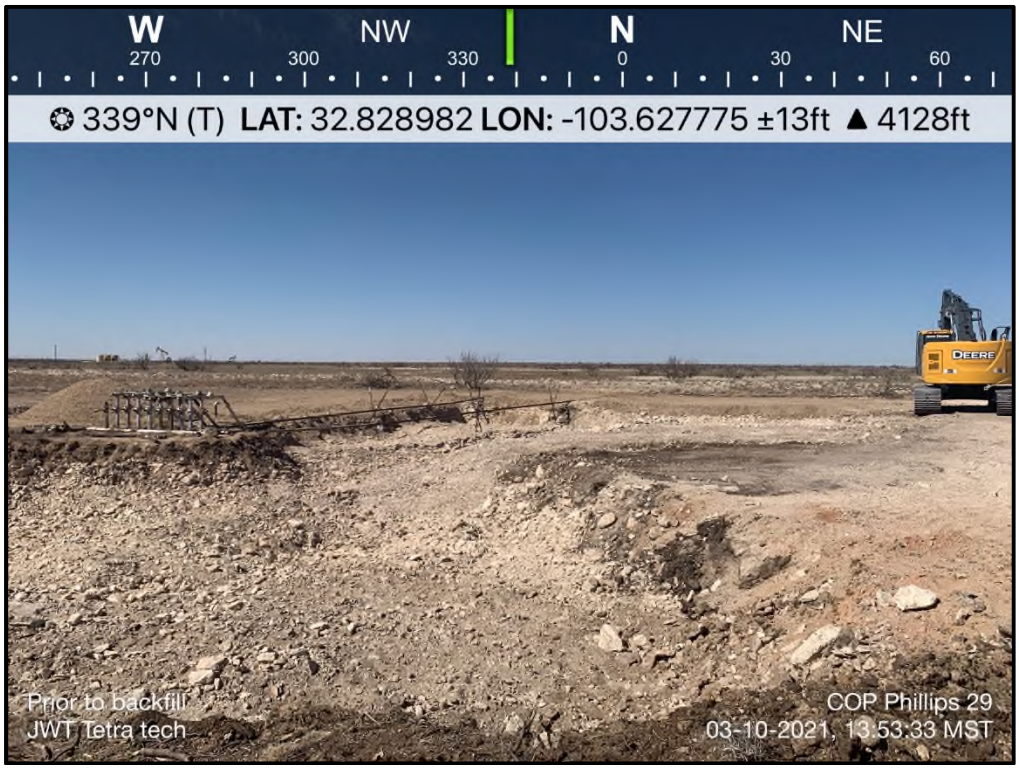
TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View north. Excavation within the 1RP-5778 release footprint.	3
	SITE NAME	Phillips E State #29 Flowline Release	3/5/2021



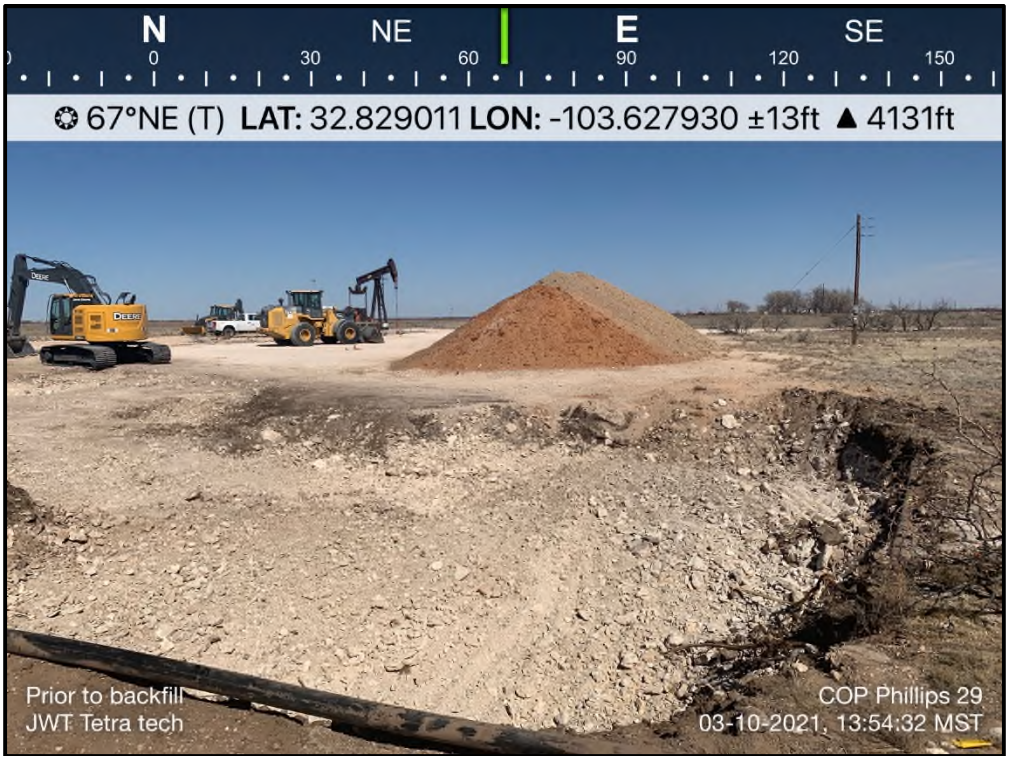
TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View north. Excavation activities within the 1RP-5778 release footprint.	4
	SITE NAME	Phillips E State #29 Flowline Release	3/5/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View west. Excavation near the northern extent.	5
	SITE NAME	Phillips E State #29 Flowline Release	3/10/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View north. Excavation activities near the southern extent.	6
	SITE NAME	Phillips E State #29 Flowline Release	3/10/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View northeast. Southern portion of the excavated area.	7
	SITE NAME	Phillips E State #29 Flowline Release	3/10/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02425	DESCRIPTION	View north. Excavation area near header.	8
	SITE NAME	Phillips E State #29 Flowline Release	3/10/2021

APPENDIX E
Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1196100
Customer #:	CRI2190	Bid #:	O6UJ9A000H7J
Ordered by:	JOHN THURSTON	Date:	2/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	1	Well Ser. #:	25434
Manif. Date:	2/25/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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:

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

__ 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

Released to Imaging: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1196101
Customer #:	CRI2190	Bid #:	O6UJ9A000H7J
Ordered by:	JOHN THURSTON	Date:	2/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	2	Well Ser. #:	25434
Manif. Date:	2/25/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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

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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1196106
Customer #:	CRI2190	Bid #:	O6UJ9A000H7J
Ordered by:	JOHN THURSTON	Date:	2/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	3	Well Ser. #:	25434
Manif. Date:	2/25/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	FRANKIE	Field:	
Truck #	M83	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:

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

__ 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1196216
Customer #:	CRI2190	Bid #:	O6UJ9A000H7J
Ordered by:	JOHN THURSTON	Date:	2/26/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	4	Well Ser. #:	25434
Manif. Date:	2/26/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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:

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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

Released to Imaging: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	5
Manif. Date:	2/26/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1196235
Bid #:	O6UJ9A000H7J
Date:	2/26/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	6
Manif. Date:	2/26/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1196269
Bid #:	O6UJ9A000H7J
Date:	2/26/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	7
Manif. Date:	3/2/2021
Hauler:	MCNABB SERVICES
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1196870
Bid #:	O6UJ9A000HGD
Date:	3/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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

__ 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	8
Manif. Date:	3/2/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1196893
Bid #:	O6UJ9A000HGD
Date:	3/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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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__ 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1196911
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/2/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	2	Well Ser. #:	25434
Manif. Date:	3/2/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	TONY	Field:	
Truck #	M02	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	10
Manif. Date:	3/2/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1196931
Bid #:	O6UJ9A000HGD
Date:	3/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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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_ 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURTSON
AFE #:	
PO #:	
Manifest #:	11
Manif. Date:	3/2/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1196932
Bid #:	O6UJ9A000HGD
Date:	3/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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

_ 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	12
Manif. Date:	3/2/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1196935
Bid #:	O6UJ9A000HGD
Date:	3/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	13
Manif. Date:	3/3/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1197027
Bid #:	O6UJ9A000HGD
Date:	3/3/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197028
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/3/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	14	Well Ser. #:	25434
Manif. Date:	3/3/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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

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 #:	700-1197029
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/3/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	15	Well Ser. #:	25434
Manif. Date:	3/3/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	URIEL	Field:	
Truck #	M82	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:

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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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197063
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/3/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	16	Well Ser. #:	25434
Manif. Date:	3/3/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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

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

_ 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: _____

Released to Imaging: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	17
Manif. Date:	3/3/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1197062
Bid #:	O6UJ9A000HGD
Date:	3/3/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	18
Manif. Date:	3/3/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1197100
Bid #:	O6UJ9A000HGD
Date:	3/3/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
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: _____

t6UJ9A01HT4D 3/3/2021 2:49:37PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197101
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/3/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	19	Well Ser. #:	25434
Manif. Date:	3/3/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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

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

_ 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 #:	700-1197208
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/4/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	20	Well Ser. #:	25434
Manif. Date:	3/4/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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)	10 ~~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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__ 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: _____

t6UJ9A01HTC5 3/4/2021 8:46:09AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197211
Customer #:	CRI2190	Bid #:	O6UJ9A000HGD
Ordered by:	JOHN THURSTON	Date:	3/4/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	21	Well Ser. #:	25434
Manif. Date:	3/4/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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)	12 ~~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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	22
Manif. Date:	3/4/2021
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1197234
Bid #:	O6UJ9A000HH0
Date:	3/4/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~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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__ 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 #:	700-1197245
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/4/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	23	Well Ser. #:	25434
Manif. Date:	3/4/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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)	10 ~~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 #:	700-1197246
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/4/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	24	Well Ser. #:	25434
Manif. Date:	3/4/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	TONY	Field:	
Truck #	M02	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10 ~~10.00~~ 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

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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: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197271
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/4/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	25	Well Ser. #:	25434
Manif. Date:	3/4/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
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)	10 ~~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 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197272
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/4/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	26	Well Ser. #:	25434
Manif. Date:	3/4/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	TONY	Field:	
Truck #	M02	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10.00	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: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	27
Manif. Date:	3/5/2021
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1197339
Bid #:	O6UJ9A000HH0
Date:	3/5/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197344
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/5/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	28	Well Ser. #:	25434
Manif. Date:	3/5/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	FRANKIE	Field:	
Truck #	M83	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	29
Manif. Date:	3/5/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1197347
Bid #:	O6UJ9A000HH0
Date:	3/5/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	30
Manif. Date:	3/5/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1197373
Bid #:	O6UJ9A000HH0
Date:	3/5/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10.00	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: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197381
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/5/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	31	Well Ser. #:	25434
Manif. Date:	3/5/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	FRANKIE	Field:	
Truck #	M83	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	MARVIN SORIWEI
AFE #:	
PO #:	
Manifest #:	32
Manif. Date:	3/5/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M-32
Card #	
Job Ref #	

Ticket #:	700-1197382
Bid #:	O6UJ9A000HH0
Date:	3/5/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	33
Manif. Date:	3/5/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1197403
Bid #:	O6UJ9A000HH0
Date:	3/5/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	40 ~~70~~	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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__ 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: JOHN THURSTON
AFE #:
PO #:
Manifest #: 34
Manif. Date: 3/8/2021
Hauler: MCNABB PARTNERS
Driver FRANKIE
Truck # M83
Card #
Job Ref #

Ticket #: 700-1197785
Bid #: O6UJ9A000HH0
Date: 3/8/2021
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 25434
Well Name: PHILLIPS E STATE
Well #: 029
Field:
Field #:
Rig: NON-DRILLING
County LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~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
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	35
Manif. Date:	3/8/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1197784
Bid #:	O6UJ9A000HH0
Date:	3/8/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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: _____

t6UJ9A01HUJD

3/8/2021 8:29:24AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	36
Manif. Date:	3/8/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1197892
Bid #:	O6UJ9A000HH0
Date:	3/8/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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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__ 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: _____

t6UJ9A01HUVW

3/8/2021 3:07:40PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1197893
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	3/8/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	37	Well Ser. #:	25434
Manif. Date:	3/8/2021	Well Name:	PHILLIPS E STATE
Hauler:	MCNABB PARTNERS	Well #:	029
Driver	FRANKIE	Field:	
Truck #	M83	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~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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__ 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: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	38
Manif. Date:	3/8/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1197896
Bid #:	O6UJ9A000HH0
Date:	3/8/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10.00	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

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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: _____

t6UJ9A01HUW7 3/8/2021 3:13:04PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	39
Manif. Date:	3/9/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1198021
Bid #:	O6UJ9A000HH0
Date:	3/9/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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 waste

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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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	40
Manif. Date:	3/9/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1198067
Bid #:	O6UJ9A000HH0
Date:	3/9/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10.00	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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__ 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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	41
Manif. Date:	3/9/2021
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1198065
Bid #:	O6UJ9A000HH0
Date:	3/9/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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: _____

Released to Imaging: 8/6/2021 11:09:22 AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	42
Manif. Date:	3/9/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1198150
Bid #:	O6UJ9A000HH0
Date:	3/9/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	43
Manif. Date:	3/10/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1198285
Bid #:	O6UJ9A000HH0
Date:	3/10/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	10 ~~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:	JOHN THURSTEN
AFE #:	
PO #:	
Manifest #:	17
Manif. Date:	3/10/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1198307
Bid #:	O6UJ9A000HH0
Date:	3/10/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~17.00~~	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	13	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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	45
Manif. Date:	3/10/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1198358
Bid #:	O6UJ9A000HH0
Date:	3/10/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~17.00~~	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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	46
Manif. Date:	3/10/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1198364
Bid #:	O6UJ9A000HH0
Date:	3/10/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12 ~~17.00~~	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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	47
Manif. Date:	3/12/2021
Hauler:	MCNABB PARTNERS
Driver	TONY
Truck #	M02
Card #	
Job Ref #	

Ticket #:	700-1198996
Bid #:	O6UJ9A000HH0
Date:	3/12/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10 ~~10.00~~ 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:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	48
Manif. Date:	3/17/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1200059
Bid #:	O6UJ9A000HH0
Date:	3/17/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	6.00 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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__ 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: _____

t6UJ9A01HZ2K

3/17/2021 1:50:26PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	49
Manif. Date:	3/17/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1200097
Bid #:	O6UJ9A000HH0
Date:	3/17/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	25434
Well Name:	PHILLIPS E STATE
Well #:	029
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	8.00	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: _____

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 30451

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 30451
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	8/6/2021