TETRA TECH

October 15, 2021

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

Re: Closure Report
ConocoPhillips
EVGSAU 3308-007 Flowline Release
Unit Letter E, Section 33, Township 17 South, Range 35 East
Lea County, New Mexico
1RP-5079
Incident ID NOY1815239274

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred from the flowline associated with the East Vacuum Grayburg San Andres Unit (EVGSAU) 3308-007 well (Associated API No. 30-025-32219). The release footprint is located in Public Land Survey System (PLSS) Unit Letter E, Section 33, Township 17 South, Range 35 East, Lea County, New Mexico (Site). The release site coordinates are 32.793744°, -103.470587°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on May 30, 2018. The release occurred as the result of a flowline leak affecting a total area of 10,044 square feet. Approximately 2 barrels (bbls) of crude oil and 28 bbls of produced water were released, of which approximately 12 bbls of fluid were recovered. The New Mexico Oil Conservation District (NMOCD) received and approved the C-141 report form for the release on June 1, 2018. The NMOCD Incident ID for the release is NOY1815239274, and the Remediation Permit (RP) number is 1RP-5079.

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 within a New Mexico oil and gas production area and is in an area of low karst potential.

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there are three water wells within ½ mile (800 meters) of the Site. The wells have an average depth to groundwater of 80 feet below ground surface (bgs). The site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

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

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

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

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

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

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

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

INITIAL RESPONSE AND REMEDIAL ACTIVITIES

In accordance with 19.15.29.8.B.(4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, COP elected to begin remediation of the impacted area in 2018. The footprint of the release was excavated by COP personnel with heavy equipment to approximately 1-foot bgs to remove the visually impacted soils. Figure 3 depicts the initial release extent and the area excavated as part of the initial response activities.

INITIAL SITE ASSESSMENT AND SAMPLING RESULTS

COP personnel were onsite to delineate and sample the release area on October 11, 2018. Soil samples were collected from four (4) sample locations (SP-1 through SP-4) within the release extent to a depth of 8 feet bgs to evaluate the vertical extents of the release. Sampled were collected from the 1-foot, the 3-foot, the 5-foot and the 8-foot intervals. Thus, a total of sixteen (16) soil samples were collected from the sample locations and placed into laboratory provided sample containers, transferred under chain of custody, and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B.

On April 30, 2019, COP personnel collected additional soil samples from three (3) sample locations (SP-1 through SP-3) outside of the release extent in an attempt to horizontally delineate the release footprint. These borings were advanced to a depth of 8 feet bgs. A total of nine (9) soil samples were collected from the three sample locations and submitted to Cardinal for chloride (SM4500Cl-B) analysis only. The sample locations are shown on Figure 3.

Results from the assessment soil sampling events are summarized in Table 1. The analytical results associated with samples collected during the initial 2018 soil assessment were below the RRALs for BTEX. Analytical results associated with 2018 locations SP-1, SP-2 and SP-4 were above RRALs for chloride down to a depth of 3 feet bgs. Analytical results associated with the 2018 SP-2 location were above the reclamation requirement for TPH (100 mg/kg) at the 1-foot interval. Analytical results associated with the 2018 SP-3 location were below RRALs. Vertical delineation was completed inside the footprint.

Analytical results associated with the borings completed as part of the secondary April 2019 sampling event were above RRALs for chloride in the 1-foot sample depth interval at all three sample locations. These perimeter borings encountered evidence of historical impact outside the observed release footprint. The next depth interval analyzed at these locations was the 5-foot interval, so horizontal delineation was incomplete for the release area.

ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

In order to achieve horizontal and clarify vertical delineation of the release extent, Tetra Tech personnel conducted a soil investigation on October 9 and 10, 2019. A total of eight (8) borings (BH-1 through BH-8) were installed using an air rotary drilling rig to various depths to evaluate the vertical and horizontal extents of the release. Four (4) borings (BH-2, BH-3, BH-5, and BH-7) were installed within the release extent at depths ranging from 10 feet bgs to 15 feet bgs to achieve and clarify vertical delineation. The remaining four (4) borings (BH-1, BH-4, BH-6 and BH-8) were installed around the perimeter of the release extent to achieve horizontal delineation.

A total of forty-six (46) samples were submitted to Pace National and analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. The boring locations are shown on Figure 4.

Results from the October 2019 sampling event are summarized in Table 2. Analytical results associated with borings BH-1, BH-2, BH-3, BH-6 and BH-7 were above Site RRALs for chloride and/or TPH down to a depth of 3 feet. Analytical results from BH-5 were above reclamation requirements for chloride and TPH down to a depth of 1 foot. There were no detections of BTEX above the Site RRAL in any of the analyzed samples. All other sample results were below Site RRALs and/or reclamation requirements.

ADDITIONAL SITE DELINEATION AND SAMPLING RESULTS

Following the October 2019 site assessment activities, on March 16, 2020, another release occurred within the previously excavated area of the 1RP-5079 release footprint. According to the State of New Mexico C-141 Initial Report for the March 2020 release, approximately 0.6 bbls of crude oil and 134.6 bbls of produced water were released as the result of a flowline pipe connection leak in roughly the same location as the 1RP-5079 release. This release extent was confined within the previously excavated area from initial response activities for 1RP-5079. Approximately 0.6 bbls of crude oil and 129.4 bbls of produced water were recovered. The NMOCD Incident ID for the March 2020 release is NRM2008348428. Incident NRM2008348428 will be addressed in a subsequent Work Plan that will be submitted to the NMOCD under separate cover.

Because both the April 2019 and the October 2019 drilling and sampling activities revealed evidence of historical impact adjacent to the 1RP-5079 release extent, additional horizontal delineation was required. Delineation was completed over several events. Tetra Tech personnel were onsite on May 21, 2020 to drill and sample two (2) borings (BH-20-1W and BH-20-2W) east of the 1RP-5079 perimeter to depths of 10 feet bgs and 5 feet bgs, respectively. These borings were drilled as a portion of another release characterization to the east of the 1RP-5079 footprint. Boring locations are shown on Figure 4. A total of eight (8) samples were submitted to Pace and analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

Additionally, on September 2, 2020, Tetra Tech personnel returned to the Site to delineate the 1RP-5079 release area following the newer March 2020 release. Three (3) borings (BH-20-3, BH-20-4 and BH-20-6) were installed within the release extent footprint to a maximum depth of 20 feet bgs. Six (6) borings (BH-20-5 and BH-20-7 through BH-20-11) were installed around the perimeter of the release extent to a depth of 8 feet bgs. A total of forty-four (44) samples were submitted to Pace and analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

All analytical results from the May 2020 sampling event were below Site RRALs, which characterized the eastern edge of the extent. Analytical results from September 2020 were below RRALs for BTEX. Analytical results for interior borings BH-20-3 and BH-20-4 were above reclamation requirements for chloride and/or TPH down to 4 feet bgs. Analytical results associated with perimeter borings BH-20-9 and BH-20-5 were above reclamation requirements for chloride and/or TPH concentrations at 0-1 feet and 2-3 feet, respectively. All other sample results were below Site RRALs.

In order to horizontally delineate the release extent near boring locations BH-20-5 and BH-20-9, Tetra Tech personnel installed three (3) borings to the north and northwest on November 11, 2020. These borings (BH-20-12 through BH-20-14) were installed using a hand auger to a maximum depth of 2 feet bgs. A total of four (4) samples were submitted to Pace and analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. The assessment and delineation boring locations are shown on Figure 4. Laboratory analytical results are summarized in Table 3.

The 1RP-5079 release and subsequent March 2020 release were considered vertically and horizontally delineated following the November 2020 additional delineation activities.

REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on January 12, 2021 with fee application payment PO Number FCC86-210112-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 Tuesday, March 23, 2021.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From June 28, 2021 through August 18, 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, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area. A total of thirty-two (32) floor sample locations and thirty-one (31) 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. Excavated areas, depths and confirmation sample locations are shown in Figure 5.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 4) 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 to be submitted for analysis were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace Analytical (Pace). The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, 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, the majority of the initial excavation was excavated three (3) additional feet below existing grade (for a total of 4 ft below surrounding grade). The release areas to the west and east of the initial excavation were excavated three (3) feet below pre-release grade. The release area north of the initial excavation was excavated one (1) foot 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, BTEX and/or chloride, 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 nine (9) floor and four (4) 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 July and August 2021 confirmation sampling events are summarized in Table 4.

All the excavated material was transported offsite for proper disposal. Approximately 2,146 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 and/or reclamation requirements, the excavated areas were backfilled with clean material to surface grade. The reclaimed areas contain soil backfill consisting of suitable material to establish vegetation at the site.

As prescribed in the Work Plan, the backfilled areas were seeded in August 2021 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 planted in the amount specified in the pounds pure live seed (PLS) per acre. 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) 217-7254 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.

Ryan C. Dickerson
Project Manager

Christian M, Llull, P.G.
Program Manager

cc:
Mr. Sam Widmer, RMR – ConocoPhillips
Mr. Charles Beauvais, GPBU - ConocoPhillips

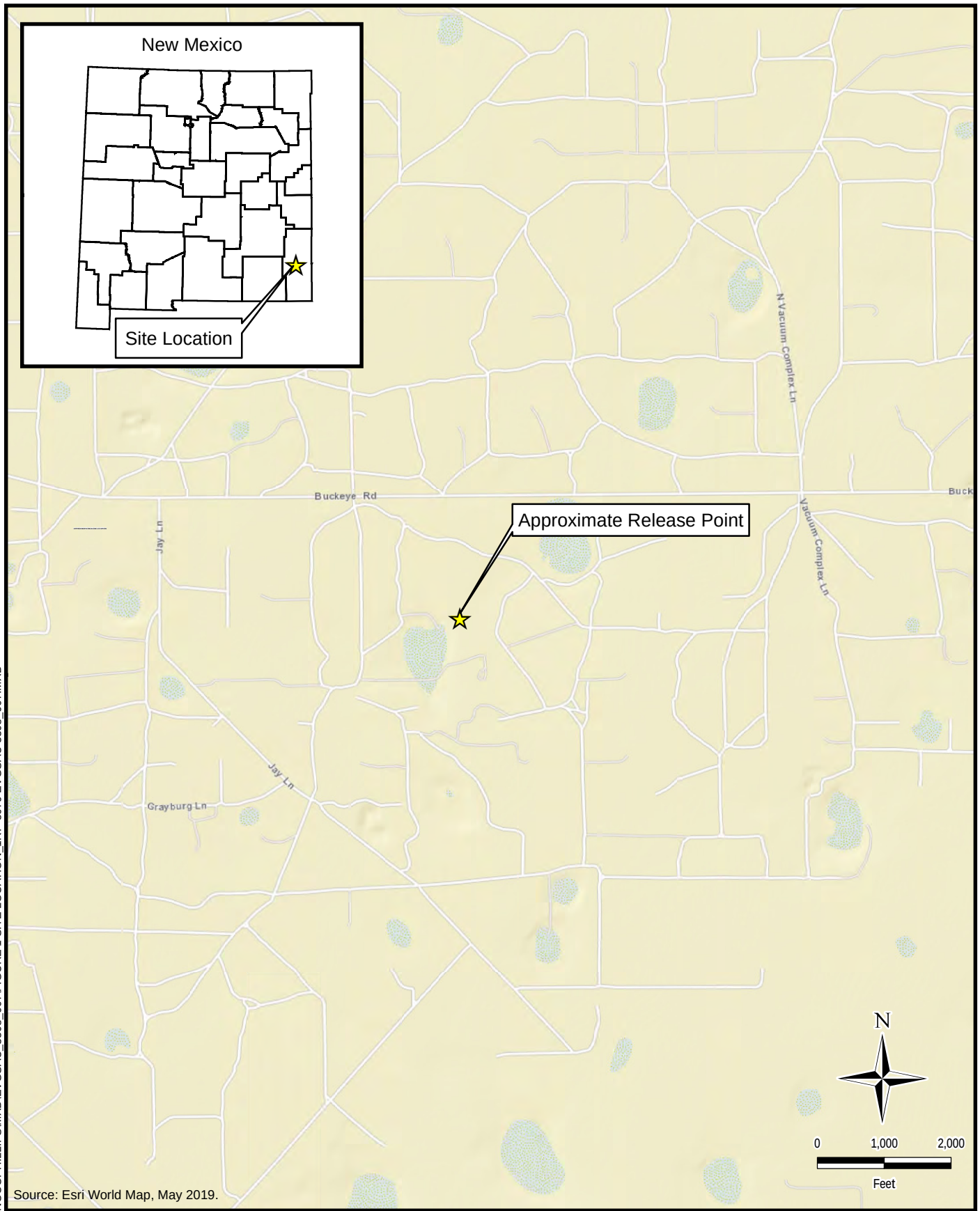
LIST OF ATTACHMENTS

Figures:

Tables:

Appendices:

FIGURES



Source: Esri World Map, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3308_007\FIGURE 1 SITE LOCATION_1RP-5079 EVGSAU 3308_007.MXD

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

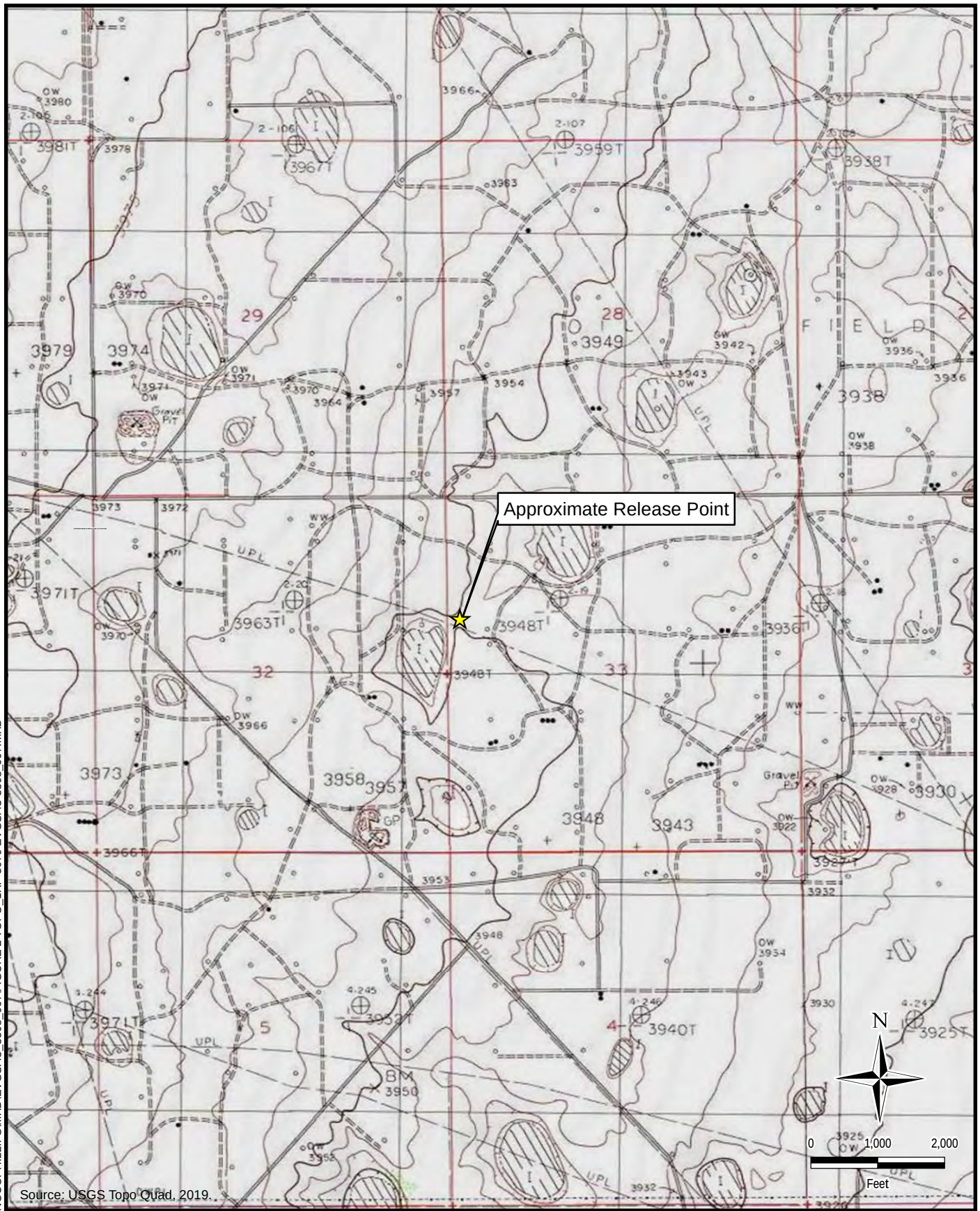
CONOCOPHILLIPS

1RP-5079
(32.793771°, -103.470578°)
LEA COUNTY, NEW MEXICO

EVGSAU 3308-007 FLOWLINE RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-01929
DATE:	OCTOBER 20, 2020
DESIGNED BY:	AAM

Figure No.
1



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TETRA TECH

www.tetratech.com

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

CONOCOPHILLIPS

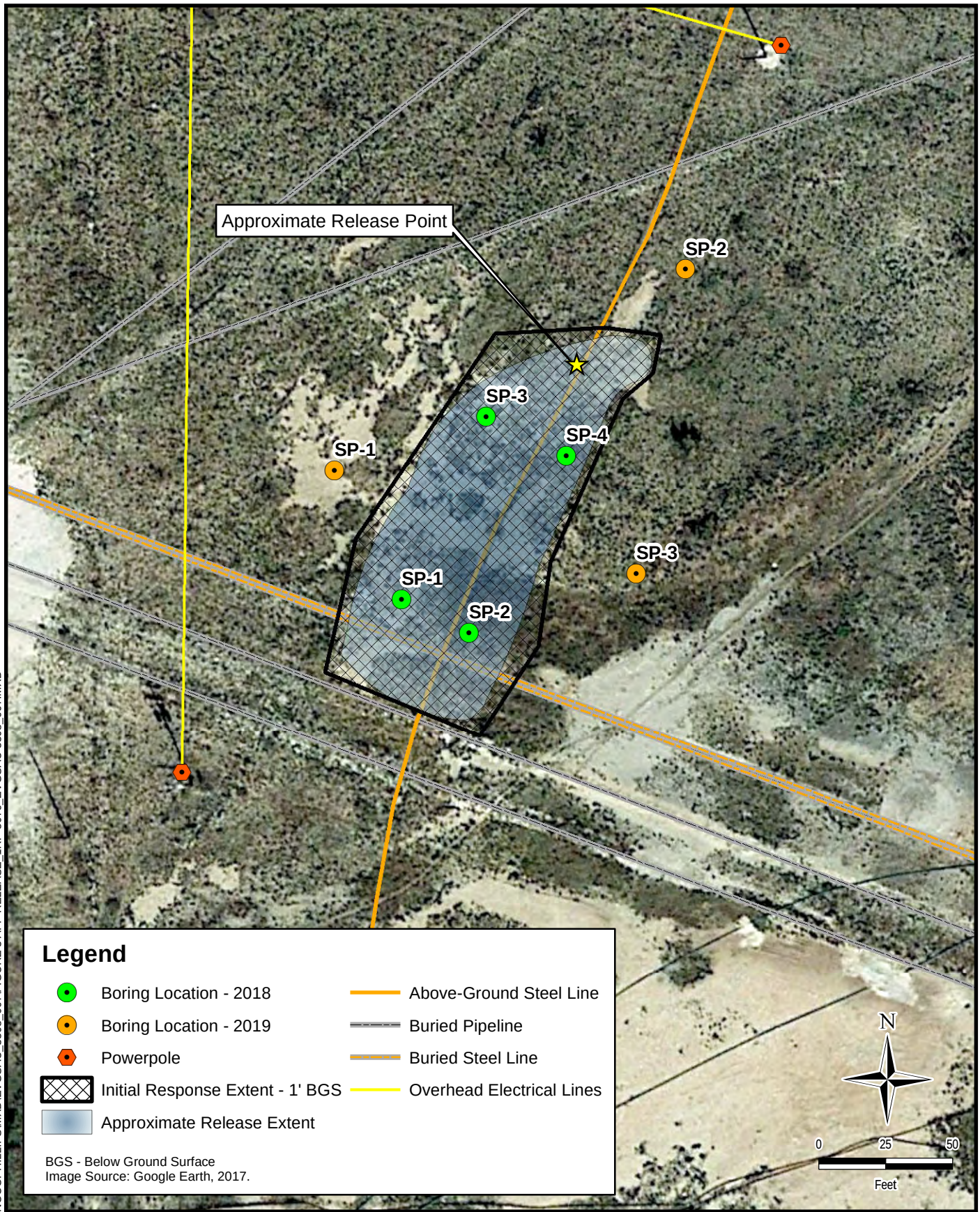
1RP-5079
(32.793771°, -103.470578°)
LEA COUNTY, NEW MEXICO

EVGSAU 3308-007 FLOWLINE RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-01929
DATE:	OCTOBER 20, 2020
DESIGNED BY:	AAM

Figure No.

2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3308_007\FIGURE 3 APP RELEASE_1RP-5079_EVGSAU 3308_007.MXD

TETRA TECH

www.tetratech.com

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

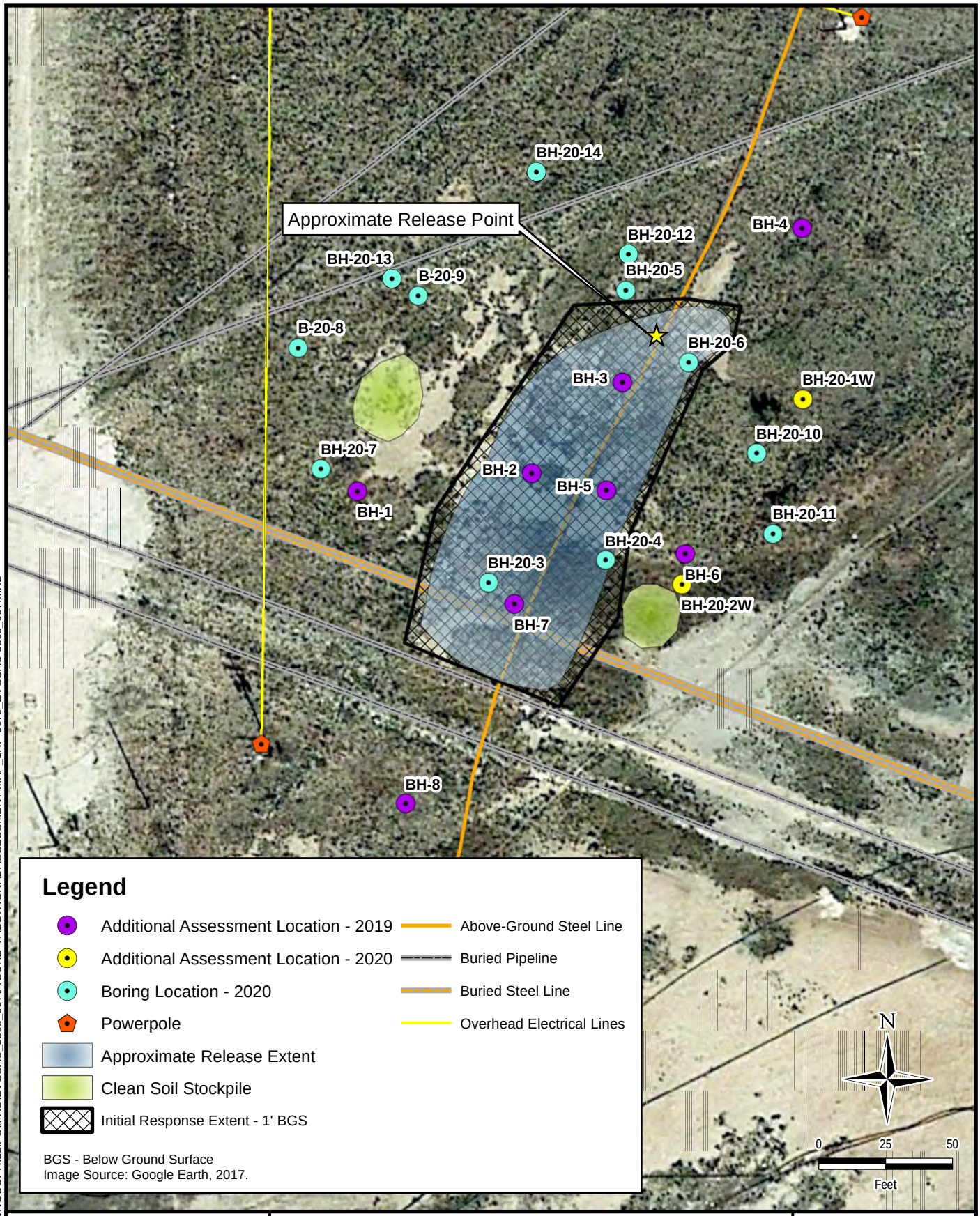
CONOCOPHILLIPS

1RP-5079
(32.793771°, -103.470578°)
LEA COUNTY, NEW MEXICO

EVGSAU 3308-007 FLOWLINE RELEASE
INITIAL ASSESSMENT AND RESPONSE

PROJECT NO.:	212C-MD-01929
DATE:	OCTOBER 20, 2020
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3308_007\FIGURE 4 ADDITIONAL ASSESSMENT MAP_1RP-5079_EVGSAU 3308_007.MXD

TETRA TECH

www.tetratech.com

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

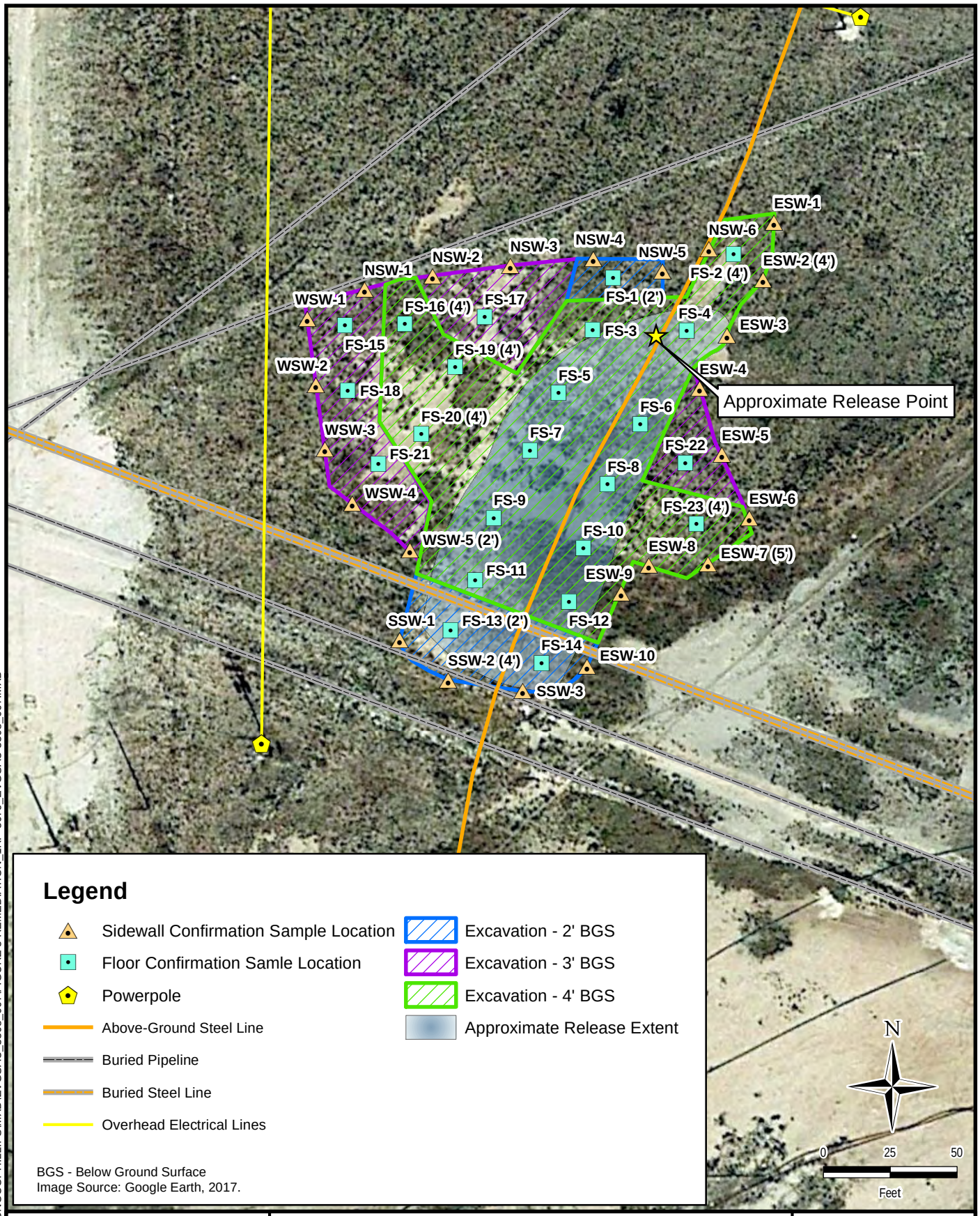
CONOCOPHILLIPS

1RP-5079
(32.793771°, -103.470578°)
LEA COUNTY, NEW MEXICO

EVGSAU 3308-007 FLOWLINE RELEASE
ADDITIONAL ASSESSMENT MAP

PROJECT NO.:	212C-MD-01929
DATE:	NOVEMBER 24, 2020
DESIGNED BY:	AAM

Figure No.
4



Legend

- Sidewall Confirmation Sample Location
- Floor Confirmation Samle Location
- Powerpole
- Above-Ground Steel Line
- Buried Pipeline
- Buried Steel Line
- Overhead Electrical Lines
- Excavation - 2' BGS
- Excavation - 3' BGS
- Excavation - 4' BGS
- Approximate Release Extent

BGS - Below Ground Surface
Image Source: Google Earth, 2017.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3308_007\FIGURE 5 REMEDIATION_1RP-5079_EVGSAU 3308_007.MXD

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

CONOCOPHILLIPS

1RP-5079
(32.793771°, -103.470578°)
LEA COUNTY, NEW MEXICO

EVGSAU 3308-007 FLOWLINE RELEASE
REMEDIATION EXTENT AND CONFIRMATION SAMPLING

PROJECT NO.:	212C-MD-01929
DATE:	AUGUST 20, 2021
DESIGNED BY:	AAM

Figure No.
5

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT - 1RP-5079
CONOCOPHILLIPS
EVGSAU 3308-007 FLOWLINE RELEASE
LEA COUNTY, NEW MEXICO

	Sample ID	Sample Date	Sample Interval	Field Screening Results		Chloride[1]		BTEX[2]								TPH[3]							
				PID	Chlorides			Benzene		Toluene		Ethylbenzene		Xylene		Total BTEX		GRO C_6 - C_{10}		DRO >C_{10} - C_{28}		EXT DRO >C_{28} - C_{36}		TPH (C_6 - C_{36})
			ft. bgs	ppm		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
Inside of Release Extent	SP-1	10/11/18	1	-	-	***1060***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.7		<10.0		21.7
			3	-	-	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			5	-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			8	-	-	1630		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	SP-2	10/11/18	1	-	-	***5280***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		230		74.3	QR-03	***304***
			3	-	-	***1540***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		84.7		12.1		96.8
			5	-	-	2480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			8	-	-	4640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	SP-3	10/11/18	1	-	-	560	QM-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			3	-	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			5	-	-	2600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			8	-	-	2000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.4		<10.0		10.4
	SP-4	10/11/18	1	-	-	***4120***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			3	-	-	***2080***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			5	-	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
			8	-	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
Outside of Release Extent	SP-1	04/30/19	1	-	-	***944***		NS		NS		NS		NS		NS		NS		NS		NS		-
			5	-	-	640		NS		NS		NS		NS		NS		NS		NS		NS		-
			8	-	-	256		NS		NS		NS		NS		NS		NS		NS		NS		-
	SP-2	04/30/19	1	-	-	***688***		NS		NS		NS		NS		NS		NS		NS		NS		-
			5	-	-	160		NS		NS		NS		NS		NS		NS		NS		NS		-
			8	-	-	304		NS		NS		NS		NS		NS		NS		NS		NS		-
	SP-3	04/30/19	1	-	-	***3560***		NS		NS		NS		NS		NS		NS		NS		NS		-
			5	-	-	5360		NS		NS		NS		NS		NS		NS		NS		NS		-
			8	-	-	2280		NS		NS		NS		NS		NS		NS		NS		NS		-

NOTES:

ft.	Feet
bgs	Below ground surface
mg/kg	Milligrams per kilogram
ppm	Parts per million
NS	Not Sampled
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline Range Organics
DRO	Diesel Range Organics
EXT DRO	Extended Diesel Range Organics

Bold values exceed the proposed RRAL for the Site.

Shaded rows indicate depth intervals proposed for excavation and remediation.

1	Method SM4500Cl-B
2	Method 8021B
3	Method 8015M
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch was accepted based on LCS and/or LCSD recovery and/or RPD values.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT - 1RP-5079
CONOCOPHILLIPS
EVGSAU 3308-007 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Interval	Field Screening Results		Chloride[1]		BTEX[2]							TPH[3]							
							Benzene		Toluene		Ethylbenzene		Xylene		Total BTEX	GRO[4] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		TPH (GRO+DRO)	TPH (GRO+DRO+ORO)
		ft. bgs	Chloride	PID																			
			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	mg/kg
BH-1	10/09/19	0-1	*651*	4.2	***1350***		< 0.00108		0.0421		< 0.00270		< 0.00701		0.0421	< 0.108		8.53		26.6		8.53	35.1
		2-3	492	3.2	***653***		< 0.00104		0.0438		< 0.00261		< 0.00678		0.0438	< 0.104		1.92	J	5.16		1.92	7.08
		4-5	-	5.5	491		0.000605	J	0.0413		< 0.00263		< 0.00684		0.0419	< 0.105		< 4.21		1.34	J	-	1.34
		6-7	455	5.2	349		< 0.00108		0.0443		< 0.00272		< 0.00704		0.0443	0.0234	J	< 4.29		0.499	J	0.023	0.522
		9-10	123	3.5	91.5		< 0.00101		0.0419		< 0.00252		< 0.00656		0.0419	0.0685	B J	< 4.04		0.847	J	0.087	0.916
BH-2	10/09/19	0-1	-	19.1	***14100***		< 0.00104		0.0438		< 0.00261		< 0.00679		0.0438	0.0648	B J	1600		912		***1600***	***2512***
		2-3	-	397.1	***1830***		< 0.00837		0.0502		0.00649	J	0.142		0.1987	46.3		2420		1060		***2466***	***3526***
		4-5	434	19.3	366		< 0.00109		0.0473		< 0.00271		< 0.00706		0.0473	0.0734	B J	< 4.34		0.940	J	0.073	1.013
		6-7	-	23.3	237		< 0.00101		0.0447		< 0.00254		< 0.00659		0.0447	0.0680	B J	5.67		3.67	J	5.74	9.41
		9-10	1640	7.9	1300		< 0.00105		0.0438		0.00112	J	< 0.00683		0.0449	0.0645	B J	< 4.20		0.453	J	0.065	0.518
		14-15	72.5	6.9	37.2		< 0.00102		0.0656		< 0.00255		< 0.00630		0.0656	37.2		< 4.08		0.300	J	37.2	37.5
BH-3	10/09/19	0-1	-	6.6	***890***		< 0.00108		0.0679		< 0.00270		< 0.00701		0.0679	0.0734	B J	135		142		135	277
		2-3	*604*	9.6	***795***		< 0.00106		0.0633		< 0.00265		< 0.00688		0.0633	0.0737	B J	< 4.23		0.561	J	0.074	0.635
		4-5	-	8.0	23.4	B	< 0.00106		0.0698		< 0.00265		< 0.00689		0.0698	< 0.107		< 4.24		< 4.24		-	-
		6-7	143	4.9	59.5		< 0.00113		0.00759		< 0.00283		< 0.00735		0.00759	< 0.114		< 4.53		< 4.53		-	-
		9-10	128	8.9	70.9		< 0.00108		0.00561		< 0.00272		< 0.00704		0.00561	< 0.107		< 4.29		1.14	J	-	1.14
BH-4	10/09/19	0-1	96.1	3.8	38.0	B	< 0.00107		0.00491	J	< 0.00268		< 0.00697		0.00491	< 0.107		12.9		35.9		12.9	48.8
		2-3	-	9.0	226		< 0.00108		0.00498	J	< 0.00269		< 0.00699		0.00498	< 0.109		< 4.30		5.42		-	5.42
		4-5	326	7.5	281		< 0.00105		0.00458	J	< 0.00263		< 0.00685		0.00458	< 0.105		< 4.22		0.291	J	-	0.291
		6-7	-	7.1	315		< 0.00419		0.00464	J	< 0.00262		< 0.00682		0.00464	< 0.106		< 4.19		0.609	J	-	0.609
		9-10	178	8.7	125		< 0.00106		0.00534		< 0.00264		< 0.00687		0.00534	< 0.106		< 4.23		0.302	J	-	0.302
		14-15	62.4	8.2	11.7	B	< 0.00103		0.00443	J	< 0.00259		< 0.00672		0.00443	< 0.103		< 4.14		0.430	J	-	0.430
BH-5	10/09/19	0-1	-	8.1	***786***	V	< 0.00104		0.00544		< 0.00261		< 0.00678		0.00544	< 0.104		152		304		152	***456***
		2-3	-	7.6	568		< 0.00106		0.00507	J	< 0.00265		< 0.00690		0.00507	< 0.106		2.98	J	7.65		2.98	10.63
		4-5	2240	5.4	1580		< 0.00120		0.00528	J	< 0.00299		< 0.00780		0.00528	< 0.121		< 4.79		1.78	J	-	1.78
		6-7	575	4.8	453		< 0.00102		0.00477	J	< 0.00255		< 0.00663		0.00477	< 0.102		< 4.08		1.33	J	-	1.33
		9-10	516	7.2	318		< 0.00103		0.00450	J	< 0.00257		< 0.00668		0.00450	< 0.103		< 4.11		0.839	J	-	0.839
		14-15	-	6.9	396		< 0.00104		0.00438	J	< 0.00260		< 0.00677		0.00438	< 0.105		< 4.17		0.772	J	-	0.772
BH-6	10/09/19	0-1	-	3.1	19.7	B	< 0.00103		0.00476	J	< 0.00259		< 0.00672		0.00476	0.0784	B J J3	57.3		191		57.4	***248***
		2-3	480	9.8	***1050***		< 0.00111		0.00656		< 0.00276		< 0.00719		0.00656	0.0701	B J	27.9		67.9		27.97	95.9
		4-5	451	5.5	835		< 0.00106		0.00433	J	< 0.00264		< 0.00686		0.00433	0.0745	B J	9.61		22.9		9.68	32.6
BH-7	10/10/19	0-1	-	3.2	***4040***		< 0.00111		0.00495	B J	< 0.00278		< 0.00722		0.00495	0.0248	J	143		242		143	***385***
		2-3	*1520*	4.6	***1850***		< 0.00109		0.00498	B J	< 0.00274		< 0.00710		0.00498	< 0.108		7.62		15.3		7.62	22.9
		4-5	-	4.5	454		< 0.00110		0.00510	B J	< 0.00275		< 0.00716		0.00510	< 0.111		< 4.41		< 4.41		-	-
		6-7	334	2.7	264		< 0.00111		0.00440	B J	< 0.00278		< 0.00724		0.00440	< 0.111		< 4.45		< 4.45		-	-
		9-10	-	3.4	72.9		< 0.00106		0.00445	B J	< 0.00266		< 0.00692		0.00445	< 0.107		< 4.26		< 4.26		-	-
		14-15	253	1.9	155		< 0.00108		0.00454	B J	< 0.00270		< 0.00703		0.00454	< 0.108		< 4.32		< 4.32		-	-
BH-8	10/10/19	0-1	134	2.4	53.7		< 0.00111		0.00529	B J	< 0.00278		< 0.00720		0.00529	< 0.110		4.84		19.6		4.84	24.4
		2-3	-	2.1	50.1		< 0.00105		0.00417	B J	< 0.00263		< 0.00684		0.00417	< 0.105		3.03	J	9.03		3.03	12.06
		4-5	63.8	4.9	59.9	J3	< 0.00105		0.00402	B J	< 0.00261		< 0.00680		0.00402	< 0.105		< 4.18		< 4.18		-	-
		6-7	-	4.1	505		< 0.00105		0.00474	B J	< 0.00263		< 0.00683		0.00474	< 0.105		< 4.16		< 4.16		-	-
		9-10	-	5.5	641		< 0.00107		0.00444	B J	< 0.00269		< 0.00699		0.00444	< 0.107		< 4.30		< 4.30		-	-
		14-15	66.5	6.2	72.0		< 0.00102		0.00446	B J	< 0.00255		< 0.00664		0.00446	< 0.102		< 4.09		< 4.09		-	-

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics

Bold and italicized values indicate exceedance of proposed RRALs

Shaded rows indicate depth intervals proposed for excavation and remediation.

1 Method 300.0
2 Method 8260B
3 Method 8015
4 Method 8015D/GRO

QUALIFIERS:

B The same analyte is found in the associated blank.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT AND DELINEATION - 1RP-5079
CONOCOPHILLIPS
EVGSAU 3308-007 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Interval	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]							
							Benzene		Toluene		Ethylbenzene		Xylene		Total BTEX		GRO[4]		DRO		ORO		Total TPH (GRO+DRO+ORO)	
		ft. bgs	Chloride	PID													C_3 - C_{10}		C_{10} - C_{28}		C_{28} - C_{40}			
			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-20-1W	5/21/2020	0-1	-	-	< 21.0		< 0.00105		< 0.00524		< 0.00262		< 0.00681		-		0.0813	B J	10.6		20.4	B	31.1	
		2-3	-	-	18.2	J	< 0.00102		< 0.00510		< 0.00255		< 0.00663		-		0.0567	B J	< 4.08		1.65	B J	1.71	
		4-5	-	-	47.6		< 0.00103		< 0.00514		< 0.00257		< 0.00668		-		0.0497	B J	< 4.11		1.32	B J	1.37	
		6-7	-	-	175		< 0.00105		< 0.00523		< 0.00261		< 0.00680		-		0.0463	B J	< 4.18		< 4.18		0.046	
		9-10	-	-	191		< 0.00104		< 0.00521		< 0.00261		< 0.00678		-		< 0.104		< 4.17		< 4.17		-	
BH-20-2W	5/21/2020	0-1	-	-	128		< 0.00103		< 0.00517		< 0.00258		< 0.00672		-		< 0.103		2.58	J	5.61	B	8.19	
		2-3	-	-	315		< 0.00102		< 0.00511		< 0.00256		< 0.00664		-		< 0.102		< 4.09		3.02	B J	3.02	
		4-5	-	-	278		< 0.00105		< 0.00523		< 0.00261		< 0.00679		-		< 0.105		< 4.18		0.839	B J	0.84	
BH-20-3	9/2/2020	1-2	-	0.0	***7800***		< 0.00106	J4	< 0.00528		< 0.00264		0.00098	J	0.00098		< 0.103		65.1	J3 J6	133		***198***	
		3-4	-	0.0	***775***		< 0.00106	J4	< 0.00530		< 0.00265		0.00133	J	0.00133		< 0.103		2.42	J	2.74	B J	5.16	
		5-6	-	-	41.4		< 0.00117		< 0.00585		< 0.00293		< 0.00761		-		< 0.108		2.44	J	1.42	B J	3.86	
		7-8	-	-	329		< 0.00110	J4	< 0.00551		< 0.00276		< 0.00716		-		< 0.105		2.61	J	2.6	B J	5.21	
		9-10	215	-	52.9		< 0.00112	J4	< 0.00561		< 0.00280		< 0.00729		-		< 0.106		4.24		0.909	B J	5.15	
		14-15	137	-	284		< 0.00107	J4	< 0.00535		< 0.00267		0.00098	J	0.00098		< 0.103		2.05	J	1.23	B J	3.28	
BH-20-4	9/2/2020	1-2	-	0.0	***5890***		< 0.00101	J4	< 0.00506		< 0.00253		0.00160	J	0.00160		< 0.101		38.8		71.6		***110***	
		3-4	-	0.0	***1070***		< 0.00106	J4	< 0.00532		< 0.00266		< 0.00692		-		< 0.103		6.05		15.9		22.0	
		5-6	-	0.0	937		< 0.00111	J4	< 0.00557		< 0.00278		< 0.00724		-		< 0.106		1.90	J	1.85	B J	3.75	
		7-8	777	-	100		< 0.00148	J4	< 0.00742		< 0.00371		< 0.00965		-		0.0277	B J	< 4.97		0.441	B J	0.47	
		9-10	1230	-	955		< 0.00111	J4	< 0.00555		< 0.00277		0.00114	J	0.00114		< 0.105		2.32	J	1.28	B J	3.60	
		14-15	1150	-	863		< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		0.0270	B J	2.45	J	2.12	B J	4.57	
		18-19	688	-	481		< 0.00114		< 0.00571		< 0.00285		< 0.00742		-		0.0333	BJ	3.23	J	1.48	B J	4.74	
		19-20	740	-	463		< 0.00111		< 0.00554		< 0.00277		< 0.00721		-		0.0357	BJ	2.03	J	0.683	B J	2.75	
BH-20-5	9/2/2020	0-1	31	0.0	289		< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		0.0503	BJ	22.7		78		***101***	
		2-3	47	0.0	51.3		< 0.00107		< 0.00533		< 0.00267		< 0.00693		-		0.0227	BJ	3.19	J	10.5		13.7	
		4-5	52	-	56.5		< 0.00105		< 0.00523		< 0.00261		0.00111	J	0.00111		0.0267	BJ	2.68	J	3.6	B J	6.31	
		7-8	39	-	22.6		0.00053	J	< 0.00510		< 0.00255		0.00106	J	0.00159		0.0383	BJ	4.1		9.97		14.1	
BH-20-6	9/2/2020	1-2	75	0.0	221		< 0.00103		< 0.00513		< 0.00257		< 0.00667		-		0.026	BJ	7.51		21		28.5	
		3-4	91	0.0	453		< 0.00108		< 0.00539		< 0.00269		< 0.00700		-		0.0244	BJ	2.14	J	1.6	B J	3.76	
		5-6	-	-	580		< 0.00114		< 0.00570		< 0.00285		< 0.00741		-		< 0.107		< 4.28		0.45	B J	0.45	
		7-8	-	-	416		< 0.00108		< 0.00541		< 0.00270		< 0.00703		-		< 0.104		< 4.16		< 4.16		-	
		9-10	110	0.0	50.8		< 0.00108		< 0.00541		< 0.00271		< 0.00704		-		0.0414	BJ	< 4.17		0.368	B J	0.41	
		14-15	77	-	22.7		< 0.00114		< 0.00572		< 0.00286		< 0.00744		-		0.0318	BJ	4.18	J	4.27	B J	8.48	
BH-20-7	9/2/2020	0-1	70	0.0	136		< 0.00105		< 0.00527		< 0.00263		< 0.00685		-		0.0226	BJ	1.91	J	7.07	B J	9.00	
		2-3	252	0.0	121		< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		< 0.106		1.91	J	6.53	B	8.44	
		4-5	117	-	170		< 0.00104		< 0.00518		< 0.00259		< 0.00673		-		0.0259	BJ	< 4.07		< 4.07		0.03	
		7-8	-	-	104		< 0.00107		< 0.00536		< 0.00268		< 0.00697		-		0.0248	BJ	3.27	J	4.71	B	8.00	

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT AND DELINEATION - 1RP-5079
CONOCOPHILLIPS
EVGSAU 3308-007 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Interval	Field Screening Results		Chloride[1]		BTEX[2]									TPH[3]						
							Benzene		Toluene		Ethylbenzene		Xylene		Total BTEX	GRO[4]		DRO		ORO		Total TPH (GRO+DRO+ORO)
		ft. bgs	Chloride	PID												C_3 - C_{10}		C_{10} - C_{28}		C_{28} - C_{40}		
			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-20-8	9/2/2020	0-1	130	0.0	214		< 0.00104		< 0.00522		< 0.00261		< 0.00678		-	0.0357	BJ	4.54		19.5	B	24.1
		2-3	234	0.0	449		< 0.00109		< 0.00545		< 0.00273		< 0.00709		-	< 0.105		< 4.18		1.79	B J	1.79
		4-5	301	-	287		< 0.00110		< 0.00548		< 0.00274		< 0.00713		-	< 0.106		< 4.19		< 4.19		-
		7-8	269	-	128		< 0.00112		< 0.00558		< 0.00279		< 0.00725		-	< 0.106		< 4.23		< 4.23		-
BH-20-9	9/2/2020	0-1	66	0.0	79.2		< 0.00103		< 0.00517		< 0.00258		< 0.00672		-	< 0.102		3.23	J	12.2	B	15.4
		2-3	256	0.0	***674***		< 0.00106		< 0.00530		< 0.00265		< 0.00689		-	< 0.103		2.35	J	7.98	B	10.3
		4-5	145	-	238		< 0.00105		< 0.00524		< 0.00262		< 0.00681		-	< 0.102		< 4.10		< 4.10		-
		7-8	93	-	45.7		0.000816	J	< 0.00563		0.00129	J	0.00315	J	0.005256	< 0.106		< 4.25		< 4.25		-
BH-20-10	9/2/2020	0-1	161	0.0	41		< 0.00103		0.00569		< 0.00259		0.00152	J	0.00721	< 0.102		7.29		16.9	B	24.2
		2-3	334	0.0	513		< 0.00105		< 0.00523		< 0.00261		0.00202	J	0.00202	< 0.102		1.77	J	6.37	B	8.14
		4-5	254	-	459		< 0.00106		< 0.00529		< 0.00265		0.00212	J	0.00212	< 0.103		< 4.12		1.36	BJ	1.36
		7-8	291	-	296		< 0.00105		< 0.00526		< 0.00263		< 0.00683		-	< 0.103		< 4.10		0.498	J	0.498
BH-20-11	9/2/2020	0-1	149	0.0	112		< 0.00105		< 0.00523		< 0.00261		< 0.00680		-	0.0584		10.4		38.8		49.3
		2-3	311	-	457		< 0.00105		< 0.00527		< 0.00264		< 0.00685		-	< 0.103		3.22	J	5.43		8.65
		4-5	73	-	< 20.9		< 0.00109		< 0.00545		< 0.00273		< 0.00709		-	< 0.105		< 4.18		0.363	J	0.36
		7-8	49	-	15.7	J	< 0.00102		< 0.00508		< 0.00254		< 0.00661		-	< 0.101		< 4.03		1.28	J	1.28
BH-20-12	11/11/2020	0-1	-	-	68.2		< 0.00105		< 0.00526		< 0.00263		0.00344	J	0.00344	1.48	J	5.60		32.9		40.0
BH-20-13	11/11/2020	0-1	-	-	43.2		< 0.00105		< 0.00523		< 0.00262		0.00165	J	0.00165	2.19	J	2.85	J	22.3		27.3
		1-2	-	-	< 20.6		< 0.00106		< 0.00530		< 0.00265		< 0.00689		-	< 0.103		11.7		68.3		80.0
BH-20-14	11/11/2020	0-1	-	-	126		< 0.00105		< 0.00526		< 0.00263		< 0.00684		-	0.0290	J	3.68		21.4		25.1

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics

Bold and italicized values indicate exceedance of proposed RRALs

Shaded rows indicate depth intervals proposed for excavation and remediation.

1 Method 300.0
2 Method 8260B
3 Method 8015
4 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.

TABLE 4
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - 1RP-5079
CONOCOPHILLIPS
EVGSAU 3308-007 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1,2]		BTEX[3]										TPH[4,5]							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[6] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)	
		ft. bgs	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	7/27/2021	1	***1,070***	M1 R1	< 0.0078		< 0.0078		< 0.0078		< 0.0233		-		< 15.5		< 37.2		< 37.2		-	
FS-1 (2')*	8/3/2021	2	468		0.0068		0.0386		0.0093		0.0474		0.102		< 11.5		11.2		12.8		24.0	
FS-2	7/21/2021	1	***647***		< 0.00118		< 0.00589		< 0.00294		< 0.00766		-		< 0.109		< 4.36		1.89	J	1.89	
FS-2 (2')	8/4/2021	2	400		< 0.0062		0.0136		< 0.0062		< 0.0187		0.0136		< 12.5		106		156		***262***	
FS-2 (4')*	8/10/2021	4	786		< 0.0065		0.0065		< 0.0065		< 0.0196		-		< 12.8		< 11.3		< 11.3		-	
FS-3	7/27/2021	4	151		< 0.0055		< 0.0055		< 0.0055		< 0.0164		-		< 10.9		29.2		18.8		48.0	
FS-4	7/21/2021	4	1,950		< 0.00130		< 0.00652		< 0.00326		< 0.00847		-		< 0.115		< 4.60		0.452	J	0.452	
FS-5	7/27/2021	4	< 114		< 0.0060		< 0.0060		< 0.0060		< 0.0180		-		< 12.0		12.2		< 11.3		12.2	
FS-6	7/21/2021	4	1,060		< 0.00115		< 0.00574		< 0.00287		< 0.00747		-		< 0.107		24.7		25.4		50.1	
FS-7	7/27/2021	4	< 114		< 0.0058		< 0.0058		< 0.0058		< 0.0175		-		< 11.7		11.7		< 11.4		11.7	
FS-8	7/21/2021	4	1,510		< 0.00122		< 0.00611		< 0.00305		< 0.00794		-		< 0.111		15.1		13.4		28.5	
FS-9	7/27/2021	4	< 113		< 0.0061		< 0.0061		< 0.0061		< 0.0184		-		< 12.2		< 11.3		< 11.3		-	
FS-10	7/21/2021	4	1,120		< 0.00141		< 0.00707		< 0.00354		< 0.00919		-		< 0.121		2.16	J	1.69	J	3.85	
FS-11	7/27/2021	4	152		< 0.0063		< 0.0063		< 0.0063		< 0.0188		-		< 12.6		< 11.6		< 11.6		-	
FS-12	7/21/2021	4	2,090		< 0.00122		< 0.00609		< 0.00304		< 0.00791				< 0.111		< 4.43		0.657	J	0.657	
FS-13	7/27/2021	1	467		< 0.0058		< 0.0058		< 0.0058		< 0.0058		-		< 11.5		99.0		63.1		***162***	
FS-13 (2')	8/5/2021	2	453	L2	< 0.0052		< 0.0052		< 0.0052		< 0.0157		-		< 10.5		< 10.3		< 10.3		-	
FS-14	7/20/2021	1	85.0		< 0.00158		< 0.00791		< 0.00396		< 0.0103		-		< 0.129		197		113		***310***	
FS-14 (2')*	8/3/2021	2	< 122		< 0.0060		0.0115		< 0.0060		< 0.0180		0.0115		< 12.0		< 23.2		< 23.2		-	
FS-15	7/29/2021	3	190		< 0.0055		< 0.0055		< 0.0055		< 0.0165		-		< 11.0		< 10.4		< 10.4		-	
FS-16	7/29/2021	3	***801***		< 0.0059		< 0.0059		< 0.0059		< 0.0178		-		< 11.9		< 10.6		< 10.6		-	
FS-16 (4')*	8/4/2021	4	129		< 0.0052		0.0091		< 0.0052		< 0.0156		0.0091		< 10.4		< 10.0		< 10.0		-	
FS-17	7/28/2021	3	412		< 0.0053		< 0.0053		< 0.0053		< 0.0158		-		< 10.5		< 10.3		< 10.3		-	
FS-18	7/29/2021	3	359		< 0.0052		< 0.0052		< 0.0052		< 0.0156		-		< 10.4		< 9.8		< 9.8		-	
FS-19	7/28/2021	3	***761***	M1	< 0.0052		< 0.0052		< 0.0052		< 0.0156		-		< 10.4		< 10.1		< 10.1		-	
FS-19 (4')*	8/3/2021	4	795		< 0.0049		0.0082		< 0.0049		< 0.0148		-		< 9.9		< 10.5		< 10.5		-	
FS-20	7/28/2021	3	***616***		< 0.0058		< 0.0058		< 0.0058		< 0.0173		-		< 11.5		< 10.4		< 10.4		-	
FS-20 (4')*	8/3/2021	4	1,170		< 0.0064		0.0083		< 0.0064		< 0.0192		0.0083		< 12.8		< 11.3		< 11.3		-	
FS-21	7/21/2021	3	< 115		< 0.0067		< 0.0067		< 0.0067		< 0.0201		-		< 13.4		< 11.5		< 11.5		-	
FS-22	7/22/2021	3	412		< 0.00120		< 0.00599		< 0.00299		< 0.00779		-		< 0.110		< 4.40		0.889	J	0.889	
FS-23	7/22/2021	3	***769***		< 0.00110		< 0.00552		< 0.00276		< 0.00717		-		< 0.105		< 4.21		< 4.21		-	
FS-23 (4')*	8/3/2021	4	418		< 0.0077		0.0104		< 0.0077		< 0.0231		0.0104		< 15.4		< 24.8		< 24.8		-	
NSW-1	7/9/2021	-	< 21.7		< 0.00117		< 0.00586		< 0.00293		< 0.00761		-		< 0.109		4.60		9.01		13.6	
NSW-2	7/9/2021	-	< 21.9		< 0.00119		< 0.00596		< 0.00298		< 0.00774		-		< 0.110		< 4.38		4.05	J	4.05	
NSW-3	7/9/2021	-	327		< 0.00149	J3	< 0.00746	J3	< 0.00373	J3	< 0.00969	J3	-		0.103	B J	3.10	J	4.84	J	7.94	
NSW-4	7/14/2021	-	42.0		< 0.00124		< 0.00618		< 0.00309		< 0.00804		-		0.0427	B J	8.99		20.2		29.2	
NSW-5	7/14/2021	-	221		< 0.00111		< 0.00557		< 0.00278		< 0.00724		-		0.0437	B J	11.2		43.1		54.3	
NSW-6	7/14/2021	-	41.3		< 0.00116		< 0.00579		< 0.00290		< 0.00753		-		0.0445	B J	6.62		22.6		29.2	

TABLE 4
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - 1RP-5079
CONOCOPHILLIPS
EVGSAU 3308-007 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1,2]		BTEX[3]							TPH[4,5]						
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO[6] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)
		ft. bgs	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	7/14/2021	-	48.0		< 0.00124		< 0.00619		< 0.00309		< 0.00805		-	0.0474	B J	4.17	J	17.8		22.0
ESW-2	7/14/2021	-	341		< 0.00116		< 0.00582		< 0.00291		< 0.00756		-	0.0477	B J	25.2		79.5		***105***
ESW-2 (2')	7/26/2021	-	351		< 0.00144		< 0.00722		< 0.00361		< 0.00939		-	< 0.122		63.9		153		***217***
ESW-2 (4')	8/5/2021	-	140	L2	< 0.0066		< 0.0066		< 0.0066		< 0.0199		-	< 13.3		< 11.3		< 11.3		-
ESW-3	7/14/2021	-	107		< 0.00132		< 0.00661		< 0.00330		< 0.00859		-	0.0410	B J	2.40	J	8.62		11.1
ESW-4	7/15/2021	-	491		< 0.00118		< 0.00590		< 0.00295		< 0.00767		-	0.0375	B J	4.06	J	14.9		19.0
ESW-5	7/15/2021	-	< 22.9		< 0.00130		< 0.00648		< 0.00324		< 0.00842		-	0.0447	B J	2.50	J	11.1		13.6
ESW-6	7/15/2021	-	560		< 0.00128		< 0.00640		< 0.00320		< 0.00832		-	0.0497	B J	8.24		29.5		37.8
ESW-7	7/15/2021	-	559		< 0.00122		< 0.00611		< 0.00306		< 0.00795		-	0.0619	B J	5.16		13.6		18.8
ESW-8	7/15/2021	-	38.8		< 0.00122		< 0.00612		< 0.00306		< 0.00795		-	0.0416	B J	< 4.45		1.81	J	1.85
ESW-9	7/15/2021	-	333		< 0.00128		< 0.00638		< 0.00319		< 0.00829		-	0.0498	B J	< 4.55		1.70	J	1.75
ESW-10	7/9/2021	-	134		< 0.00121		< 0.00603		< 0.00301		< 0.00784		-	0.0366	B J	< 4.41	J3	0.512	J	0.549
SSW-1	7/9/2021	-	51.6		< 0.00127		< 0.00637		< 0.00319		< 0.00829		-	0.0523	B J	9.04		18.2		27.3
SSW-2	7/9/2021	-	***7,680***		< 0.00112		< 0.00560		< 0.00280		< 0.00729		-	0.0517	B J	257		370		***627***
SSW-2 (4')*	7/9/2021	-	46.8		< 0.00125		< 0.00624		< 0.00312		< 0.00812		-	0.0674	B J	6.68		13.6		20.3
SSW-3	7/9/2021	-	400		< 0.00127		< 0.00636		< 0.00318		< 0.00826		-	0.0802	B J	< 4.54		2.34	J	2.42
WSW-1	7/9/2021	-	< 26.0		< 0.00160		< 0.00801		< 0.00401		< 0.0104		-	0.0730	B J	5.03	J	15.7		20.8
WSW-2	7/9/2021	-	< 26.4		< 0.00164		< 0.00822		< 0.00411		< 0.0107		-	0.0744	B J	< 5.28		0.658	J	0.732
WSW-3	7/9/2021	-	< 22.0		< 0.00120		< 0.00602		< 0.00301		< 0.00783		-	< 0.110		4.55		7.70		12.3
WSW-4	7/9/2021	-	26.5		< 0.00140		< 0.00702		< 0.00351		< 0.00912		-	< 0.120		2.28	J	3.07	J	5.35
WSW-5	7/9/2021	-	***702***	J3	< 0.00137		< 0.00687		< 0.00343		< 0.00893		-	< 0.119		3.81	J	10.3		14.1
WSW-5 (2')*	7/26/2021	-	512		< 0.00115		< 0.00574		< 0.00287		< 0.00746		-	< 0.107		2.24	J	2.55	J	4.79

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 9056
3	EPA Method 8260B
4	EPA Method 8015
5	EPA Method 8015B
6	EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed Remediation RRALs and/or Reclamation Requirements.

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.
L2	Analyte recovery in the LCS was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
R1	RPD value was outside control limits.

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **ConocoPhillips**	Contact: **Cullen Rosine**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-391-3133**
Facility Name: EVGSAU 3308-007	Facility Type: Producing Well

Surface Owner: State	Mineral Owner: N/A	State	API No.30-025- 32219

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	33	17S	35E					**Lea**

Latitude 32.7968941 **Longitude** -103.468811

NATURE OF RELEASE

Type of Release: **Oil and Produced Water**	Volume of Release: 2 BBL Oil 28 BBL produced water	Volume Recovered:12 BBL
Source of Release: Flow line	Date and Hour of Occurrence **May 30, 2018 6:00 AM**	Date and Hour of Discovery **May 30, 2018 11:00 AM**
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? Olivia Yu	
By Whom? **Cullen Rosine**	Date and Hour: **5-31-2018 9:30 AM via email**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

RECEIVED
By Olivia Yu at 10:50 am, Jun 01, 2018

Describe Cause of Problem and Remedial Action Taken. May 30, 2018 at 1100. Production specialist found a flowline leak that resulted in a 30 BBL release. 12 BBL were recovered. Spill site will be remediated per NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. *
Area 1 – 90' x 60' x 1.5"
Area 2 – 129' x 36' x 1.5"

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

Signature: *Cullen Rosine*	OIL CONSERVATION DIVISION
Printed Name: Cullen Rosine	Approved by Environmental Specialist:
Title: HSE Specialist	Approval Date: 6-1-2018 n Date:
E-mail Address: ***Cullen.J.Rosine@conocophillips.com***	Conditions of Approval: See attached directive
Date:5-31-2018 Phone:575-391-3133	Attached ☑

* Attach Additional Sheets If Necessary

nOY1815239274

pOY1815241028

1RP-5079

State of New Mexico
Oil Conservation Division

Incident ID	nOY1815239274
District RP	1RP-5079
Facility ID	
Application ID	pOY1815241028

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?	80 (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	nOY1815239274
District RP	1RP-5079
Facility ID	
Application ID	pOY1815241028

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: Marvin Soriwei Title: Program Manager, Risk Management & Remediation

Signature: Date: 1/12/2021

email: marvin.soriwei@conocophillips.com Telephone: 8324862730

OCD Only

Received by: Cristina Eads Date: 01/12/2021

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nOY1815239274
District RP	1RP-5079
Facility ID	
Application ID	pOY1815241028

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: Marvin Soriwei Title: Program Manager, Risk Management & Remediation

Signature: Date: 1/12/2021

email: marvin.soriwei@conocophillips.com Telephone: 8324862730

OCD Only

Received by: Cristina Eads Date: 01/12/2021

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

Signature: Date: 03/23/2021

Form C-141
Page 6

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: Sam Widmer 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	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04829 S5	L	LE	3	1		33	17S	35E	643347	3629400*	148	220	90	130
L 04880	L	LE	2	3		33	17S	35E	643757	3629002*	711	145	90	55
L 04578	L	LE				33	17S	35E	643962	3629198*	795	126	60	66

Average Depth to Water: **80 feet**

Minimum Depth: **60 feet**

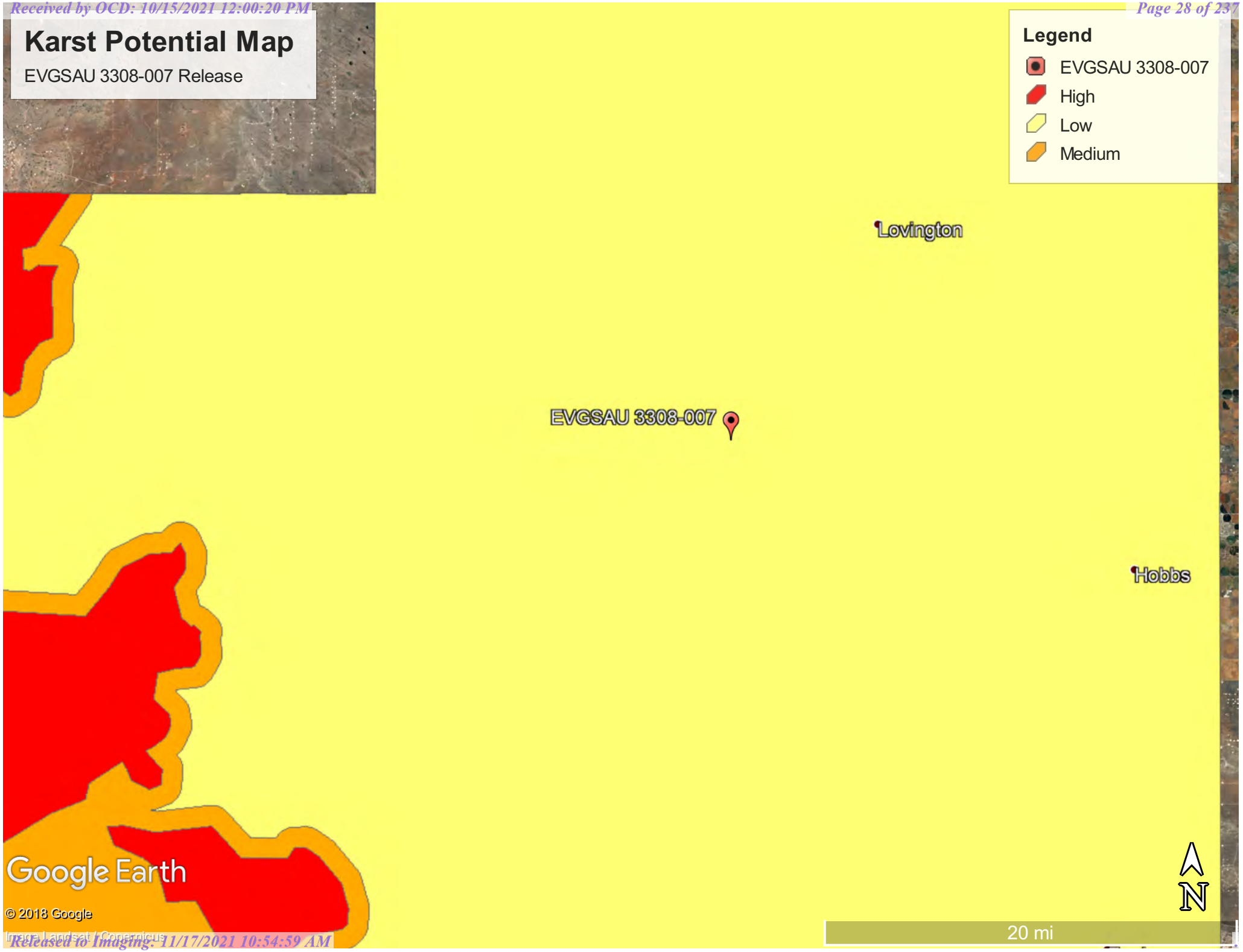
Maximum Depth: **90 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 643209.97 **Northing (Y):** 3629457.14 **Radius:** 800

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


Karst Potential Map
EVGSAU 3308-007 Release
Legend
EVGSAU 3308-007
High
Low
Medium
Lovington
EVGSAU 3308-007
Hobbs
Google Earth
© 2018 Google
Image Landsat / Copernicus
N
20 mi

NMOCD Water Bodies

12/9/2020, 11:01:43 AM

Override 1

PLSS First Division

PLSS Second Division

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:2,406

0 0.03 0.05 0.1 mi

0 0.04 0.08 0.16 km

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

New Mexico Oil Conservation Division

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

APPENDIX C
Laboratory Analytical Reports

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

July 30, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on July 29, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60376097001	**FS-1**	Solid	07/27/21 13:25	07/29/21 08:30
60376097002	**FS-3**	Solid	07/27/21 10:20	07/29/21 08:30
60376097003	**FS-5**	Solid	07/27/21 10:45	07/29/21 08:30
60376097004	**FS-7**	Solid	07/27/21 10:55	07/29/21 08:30
60376097005	**FS-9**	Solid	07/27/21 11:10	07/29/21 08:30
60376097006	**FS-11**	Solid	07/27/21 11:20	07/29/21 08:30
60376097007	**FS-13**	Solid	07/27/21 15:30	07/29/21 08:30

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60376097001	**FS-1**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376097002	**FS-3**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376097003	**FS-5**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376097004	**FS-7**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376097005	**FS-9**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376097006	**FS-11**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376097007	**FS-13**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Sample: FS-1 **Lab ID: 60376097001** Collected: 07/27/21 13:25 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	37.2	1	07/29/21 09:16	07/29/21 23:59		
TPH-ORO (C28-C35)	ND	mg/kg	37.2	1	07/29/21 09:16	07/29/21 23:59		
Surrogates								
n-Tetracosane (S)	66	%	31-152	1	07/29/21 09:16	07/29/21 23:59	646-31-1	
p-Terphenyl (S)	86	%	46-130	1	07/29/21 09:16	07/29/21 23:59	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	15.5	1	07/29/21 09:24	07/29/21 12:38		
Surrogates								
4-Bromofluorobenzene (S)	99	%	63-121	1	07/29/21 09:24	07/29/21 12:38	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	7.8	1	07/29/21 08:56	07/29/21 10:38	71-43-2	
Ethylbenzene	ND	ug/kg	7.8	1	07/29/21 08:56	07/29/21 10:38	100-41-4	
Toluene	ND	ug/kg	7.8	1	07/29/21 08:56	07/29/21 10:38	108-88-3	
Xylene (Total)	ND	ug/kg	23.3	1	07/29/21 08:56	07/29/21 10:38	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	07/29/21 08:56	07/29/21 10:38	2037-26-5	
4-Bromofluorobenzene (S)	102	%	83-119	1	07/29/21 08:56	07/29/21 10:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	07/29/21 08:56	07/29/21 10:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**24.1**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**1070**	mg/kg	136	10	07/29/21 10:25	07/29/21 15:57	16887-00-6	M1,R1

Sample: FS-3 **Lab ID: 60376097002** Collected: 07/27/21 10:20 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**29.2**	mg/kg	11.0	1	07/29/21 09:16	07/30/21 00:23		
TPH-ORO (C28-C35)	**18.8**	mg/kg	11.0	1	07/29/21 09:16	07/30/21 00:23		
Surrogates								
n-Tetracosane (S)	72	%	31-152	1	07/29/21 09:16	07/30/21 00:23	646-31-1	
p-Terphenyl (S)	83	%	46-130	1	07/29/21 09:16	07/30/21 00:23	92-94-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Sample: FS-3 **Lab ID: 60376097002** Collected: 07/27/21 10:20 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.9	1	07/29/21 09:24	07/29/21 12:53		
Surrogates								
4-Bromofluorobenzene (S)	103	%	63-121	1	07/29/21 09:24	07/29/21 12:53	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.5	1	07/29/21 08:56	07/29/21 10:58	71-43-2	
Ethylbenzene	ND	ug/kg	5.5	1	07/29/21 08:56	07/29/21 10:58	100-41-4	
Toluene	ND	ug/kg	5.5	1	07/29/21 08:56	07/29/21 10:58	108-88-3	
Xylene (Total)	ND	ug/kg	16.4	1	07/29/21 08:56	07/29/21 10:58	1330-20-7	
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	07/29/21 08:56	07/29/21 10:58	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	07/29/21 08:56	07/29/21 10:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	07/29/21 08:56	07/29/21 10:58	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**9.8**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**151**	mg/kg	114	10	07/29/21 10:25	07/29/21 16:30	16887-00-6	

Sample: FS-5 **Lab ID: 60376097003** Collected: 07/27/21 10:45 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**12.2**	mg/kg	11.3	1	07/29/21 09:16	07/30/21 00:32		
TPH-ORO (C28-C35)	ND	mg/kg	11.3	1	07/29/21 09:16	07/30/21 00:32		
Surrogates								
n-Tetracosane (S)	58	%	31-152	1	07/29/21 09:16	07/30/21 00:32	646-31-1	
p-Terphenyl (S)	80	%	46-130	1	07/29/21 09:16	07/30/21 00:32	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.0	1	07/29/21 09:24	07/29/21 13:08		
Surrogates								
4-Bromofluorobenzene (S)	102	%	63-121	1	07/29/21 09:24	07/29/21 13:08	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Sample: FS-5 **Lab ID: 60376097003** Collected: 07/27/21 10:45 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.0	1	07/29/21 08:56	07/29/21 11:18	71-43-2	
Ethylbenzene	ND	ug/kg	6.0	1	07/29/21 08:56	07/29/21 11:18	100-41-4	
Toluene	ND	ug/kg	6.0	1	07/29/21 08:56	07/29/21 11:18	108-88-3	
Xylene (Total)	ND	ug/kg	18.0	1	07/29/21 08:56	07/29/21 11:18	1330-20-7	
Surrogates								
Toluene-d8 (S)	106	%	80-120	1	07/29/21 08:56	07/29/21 11:18	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	07/29/21 08:56	07/29/21 11:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/29/21 08:56	07/29/21 11:18	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**11.7**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	114	10	07/29/21 10:25	07/29/21 17:14	16887-00-6	

Sample: FS-7 **Lab ID: 60376097004** Collected: 07/27/21 10:55 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**11.7**	mg/kg	11.4	1	07/29/21 09:16	07/30/21 00:40		
TPH-ORO (C28-C35)	ND	mg/kg	11.4	1	07/29/21 09:16	07/30/21 00:40		
Surrogates								
n-Tetracosane (S)	60	%	31-152	1	07/29/21 09:16	07/30/21 00:40	646-31-1	
p-Terphenyl (S)	79	%	46-130	1	07/29/21 09:16	07/30/21 00:40	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.7	1	07/29/21 09:24	07/29/21 13:23		
Surrogates								
4-Bromofluorobenzene (S)	101	%	63-121	1	07/29/21 09:24	07/29/21 13:23	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.8	1	07/29/21 08:56	07/29/21 11:38	71-43-2	
Ethylbenzene	ND	ug/kg	5.8	1	07/29/21 08:56	07/29/21 11:38	100-41-4	
Toluene	ND	ug/kg	5.8	1	07/29/21 08:56	07/29/21 11:38	108-88-3	
Xylene (Total)	ND	ug/kg	17.5	1	07/29/21 08:56	07/29/21 11:38	1330-20-7	
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	07/29/21 08:56	07/29/21 11:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Sample: FS-7 **Lab ID: 60376097004** Collected: 07/27/21 10:55 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	103	%	83-119	1	07/29/21 08:56	07/29/21 11:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/29/21 08:56	07/29/21 11:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**12.4**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	114	10	07/29/21 10:25	07/29/21 17:25	16887-00-6	

Sample: FS-9 **Lab ID: 60376097005** Collected: 07/27/21 11:10 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	11.3	1	07/29/21 09:16	07/30/21 00:48		
TPH-ORO (C28-C35)	ND	mg/kg	11.3	1	07/29/21 09:16	07/30/21 00:48		
Surrogates								
n-Tetracosane (S)	61	%	31-152	1	07/29/21 09:16	07/30/21 00:48	646-31-1	
p-Terphenyl (S)	76	%	46-130	1	07/29/21 09:16	07/30/21 00:48	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.2	1	07/29/21 09:24	07/29/21 13:39		
Surrogates								
4-Bromofluorobenzene (S)	103	%	63-121	1	07/29/21 09:24	07/29/21 13:39	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.1	1	07/29/21 08:56	07/29/21 11:58	71-43-2	
Ethylbenzene	ND	ug/kg	6.1	1	07/29/21 08:56	07/29/21 11:58	100-41-4	
Toluene	ND	ug/kg	6.1	1	07/29/21 08:56	07/29/21 11:58	108-88-3	
Xylene (Total)	ND	ug/kg	18.4	1	07/29/21 08:56	07/29/21 11:58	1330-20-7	
Surrogates								
Toluene-d8 (S)	107	%	80-120	1	07/29/21 08:56	07/29/21 11:58	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	07/29/21 08:56	07/29/21 11:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	07/29/21 08:56	07/29/21 11:58	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Sample: FS-9 **Lab ID: 60376097005** Collected: 07/27/21 11:10 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**11.6**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
	Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	113	10	07/29/21 10:25	07/29/21 17:36	16887-00-6	

Sample: FS-11 **Lab ID: 60376097006** Collected: 07/27/21 11:20 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546							
	Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	11.6	1	07/29/21 09:16	07/30/21 00:56		
TPH-ORO (C28-C35)	ND	mg/kg	11.6	1	07/29/21 09:16	07/30/21 00:56		
Surrogates								
n-Tetracosane (S)	63	%	31-152	1	07/29/21 09:16	07/30/21 00:56	646-31-1	
p-Terphenyl (S)	82	%	46-130	1	07/29/21 09:16	07/30/21 00:56	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.6	1	07/29/21 09:24	07/29/21 14:24		
Surrogates								
4-Bromofluorobenzene (S)	101	%	63-121	1	07/29/21 09:24	07/29/21 14:24	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.3	1	07/29/21 08:56	07/29/21 12:18	71-43-2	
Ethylbenzene	ND	ug/kg	6.3	1	07/29/21 08:56	07/29/21 12:18	100-41-4	
Toluene	ND	ug/kg	6.3	1	07/29/21 08:56	07/29/21 12:18	108-88-3	
Xylene (Total)	ND	ug/kg	18.8	1	07/29/21 08:56	07/29/21 12:18	1330-20-7	
Surrogates								
Toluene-d8 (S)	107	%	80-120	1	07/29/21 08:56	07/29/21 12:18	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	07/29/21 08:56	07/29/21 12:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/29/21 08:56	07/29/21 12:18	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**13.9**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
	Pace Analytical Services - Kansas City							
Chloride	**152**	mg/kg	119	10	07/29/21 10:25	07/29/21 17:47	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
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(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Sample: FS-13 **Lab ID: 60376097007** Collected: 07/27/21 15:30 Received: 07/29/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**99.0**	mg/kg	11.4	1	07/29/21 09:16	07/30/21 01:04		
TPH-ORO (C28-C35)	**63.1**	mg/kg	11.4	1	07/29/21 09:16	07/30/21 01:04		
Surrogates								
n-Tetracosane (S)	77	%	31-152	1	07/29/21 09:16	07/30/21 01:04	646-31-1	
p-Terphenyl (S)	89	%	46-130	1	07/29/21 09:16	07/30/21 01:04	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.5	1	07/29/21 09:24	07/29/21 15:09		
Surrogates								
4-Bromofluorobenzene (S)	101	%	63-121	1	07/29/21 09:24	07/29/21 15:09	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.8	1	07/29/21 08:56	07/29/21 12:37	71-43-2	
Ethylbenzene	ND	ug/kg	5.8	1	07/29/21 08:56	07/29/21 12:37	100-41-4	
Toluene	ND	ug/kg	5.8	1	07/29/21 08:56	07/29/21 12:37	108-88-3	
Xylene (Total)	ND	ug/kg	17.3	1	07/29/21 08:56	07/29/21 12:37	1330-20-7	
Surrogates								
Toluene-d8 (S)	107	%	80-120	1	07/29/21 08:56	07/29/21 12:37	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	07/29/21 08:56	07/29/21 12:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/29/21 08:56	07/29/21 12:37	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**16.8**	%	0.50	1		07/29/21 09:38		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**467**	mg/kg	122	10	07/29/21 10:25	07/29/21 17:58	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

QC Batch: 735003 Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

METHOD BLANK: 2948616 Matrix: Solid
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	07/29/21 12:23	
4-Bromofluorobenzene (S)	%	103	63-121	07/29/21 12:23	

LABORATORY CONTROL SAMPLE: 2948617

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	45.2	90	71-107	
4-Bromofluorobenzene (S)	%			106	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2948618 2948619

Parameter	Units	60376097005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	61.3	60.9	54.1	55.2	87	90	29-143	2	26	
4-Bromofluorobenzene (S)	%						105	103	63-121			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

QC Batch: 735008
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

METHOD BLANK: 2948635 Matrix: Solid
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	07/29/21 09:54	
Ethylbenzene	ug/kg	ND	5.0	07/29/21 09:54	
Toluene	ug/kg	ND	5.0	07/29/21 09:54	
Xylene (Total)	ug/kg	ND	15.0	07/29/21 09:54	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120	07/29/21 09:54	
4-Bromofluorobenzene (S)	%	104	83-119	07/29/21 09:54	
Toluene-d8 (S)	%	105	80-120	07/29/21 09:54	

LABORATORY CONTROL SAMPLE: 2948636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1170	93	67-126	
Ethylbenzene	ug/kg	1250	1220	97	69-127	
Toluene	ug/kg	1250	1150	92	80-118	
Xylene (Total)	ug/kg	3750	3750	100	69-130	
1,2-Dichlorobenzene-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			100	83-119	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2948637 2948638

Parameter	Units	60376097005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1540	1530	1410	1440	92	94	17-134	2	53	
Ethylbenzene	ug/kg	ND	1540	1530	1460	1500	95	99	10-137	3	60	
Toluene	ug/kg	ND	1540	1530	1350	1400	88	92	13-131	3	60	
Xylene (Total)	ug/kg	ND	4600	4580	4540	4620	99	101	10-137	2	58	
1,2-Dichlorobenzene-d4 (S)	%						100	100	80-120			
4-Bromofluorobenzene (S)	%						99	101	83-119			
Toluene-d8 (S)	%						98	98	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

QC Batch: 734997
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

METHOD BLANK: 2948595 Matrix: Solid
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.9	07/29/21 23:27	
TPH-ORO (C28-C35)	mg/kg	ND	9.9	07/29/21 23:27	
n-Tetracosane (S)	%	71	31-152	07/29/21 23:27	
p-Terphenyl (S)	%	90	46-130	07/29/21 23:27	

LABORATORY CONTROL SAMPLE: 2948596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	79.7	65.8	83	74-124	
n-Tetracosane (S)	%			72	31-152	
p-Terphenyl (S)	%			94	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2948597 2948598

Parameter	Units	60376097001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	321	299	272	236	82	76	30-130	14	35	
n-Tetracosane (S)	%						66	65	31-152			
p-Terphenyl (S)	%						85	83	46-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

QC Batch: 734990 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

METHOD BLANK: 2948562 Matrix: Solid
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	07/29/21 09:38	

SAMPLE DUPLICATE: 2948563

Parameter	Units	60376097005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.6	10.7	8	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

QC Batch: 735004 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

METHOD BLANK: 2948620 — Matrix: Solid
Associated Lab Samples: 60376097001, 60376097002, 60376097003, 60376097004, 60376097005, 60376097006, 60376097007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	07/29/21 15:35	

LABORATORY CONTROL SAMPLE: 2948621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2948622 2948623

Parameter	Units	60376097001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	1070	652	676	2100	1750	159	100	80-120	19	15	M1,R1

SAMPLE DUPLICATE: 2948624

Parameter	Units	60376097002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	151	144	5	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EVSGAU 3308-007 Flowline Rls.
Pace Project No.: 60376097

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60376097001	**FS-1**	EPA 3546	734997	EPA 8015B	735161
60376097002	**FS-3**	EPA 3546	734997	EPA 8015B	735161
60376097003	**FS-5**	EPA 3546	734997	EPA 8015B	735161
60376097004	**FS-7**	EPA 3546	734997	EPA 8015B	735161
60376097005	**FS-9**	EPA 3546	734997	EPA 8015B	735161
60376097006	**FS-11**	EPA 3546	734997	EPA 8015B	735161
60376097007	**FS-13**	EPA 3546	734997	EPA 8015B	735161
60376097001	**FS-1**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097002	**FS-3**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097003	**FS-5**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097004	**FS-7**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097005	**FS-9**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097006	**FS-11**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097007	**FS-13**	EPA 5035A/5030B	735003	EPA 8015B	735044
60376097001	**FS-1**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097002	**FS-3**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097003	**FS-5**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097004	**FS-7**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097005	**FS-9**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097006	**FS-11**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097007	**FS-13**	EPA 5035A/5030B	735008	EPA 8260B	735035
60376097001	**FS-1**	ASTM D2974	734990		
60376097002	**FS-3**	ASTM D2974	734990		
60376097003	**FS-5**	ASTM D2974	734990		
60376097004	**FS-7**	ASTM D2974	734990		
60376097005	**FS-9**	ASTM D2974	734990		
60376097006	**FS-11**	ASTM D2974	734990		
60376097007	**FS-13**	ASTM D2974	734990		
60376097001	**FS-1**	EPA 9056	735004	EPA 9056	735027
60376097002	**FS-3**	EPA 9056	735004	EPA 9056	735027
60376097003	**FS-5**	EPA 9056	735004	EPA 9056	735027
60376097004	**FS-7**	EPA 9056	735004	EPA 9056	735027
60376097005	**FS-9**	EPA 9056	735004	EPA 9056	735027
60376097006	**FS-11**	EPA 9056	735004	EPA 9056	735027
60376097007	**FS-13**	EPA 9056	735004	EPA 9056	735027

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Sample Condition Upon Receipt

WO# : 60376097

60376097

Client Name: Tetra Tech, Inc.

Courier: FedEx ☑ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 2819 5669 6444 Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☑

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☑ ZPLC

Thermometer Used: T-296 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 4.8 **Corr. Factor** -0.3 **Corrected** 4.5 °C

Date and initials of person examining contents: 7-29-2110

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	SameDay
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: ~~TX~~ NM	☐Yes ☑No ☐N/A	Lea County
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev 11, February 28, 2018

COPTETRA

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	ConocoPhillips Company	**Site Manager:**	Christian Llull
Project Name:	EVSGAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	FS-1	7/27/2021	1325		X				X			1		X	X	X	
	FS-3	7/27/2021	1020		X				X			1		X	X	X	
	FS-5	7/27/2021	1045		X				X			1		X	X	X	
	FS-7	7/27/2021	1055		X				X			1		X	X	X	
	FS-9	7/27/2021	1110		X				X			1		X	X	X	
	FS-11	7/27/2021	1120		X				X			1		X	X	X	
	FS-13	7/27/2021	1530		X				X			1		X	X	X	

Relinquished by:	Date: 7-28-21	Time: 13:00	Received by: Date: 7-28-21 Time: 13:00
Relinquished by:	Date: 7-28-21	Time: 14:00	Received by: FedEx Date: 7-28-21 Time: 14:00
Relinquished by:	Date:	Time:	Received by: Davidson/pace Date: 7-29-21 Time: 0830

LAB USE ONLY

Sample Temperature: 4.5°C

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

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 02, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on July 30, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

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(913)599-5665

SAMPLE SUMMARY

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60376263001	**FS-17**	Solid	07/28/21 11:10	07/30/21 09:10
60376263002	**FS-19**	Solid	07/28/21 14:45	07/30/21 09:10
60376263003	**FS-20**	Solid	07/28/21 15:10	07/30/21 09:10

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SAMPLE ANALYTE COUNT

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60376263001	**FS-17**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376263002	**FS-19**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376263003	**FS-20**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Sample: FS-17 **Lab ID: 60376263001** Collected: 07/28/21 11:10 Received: 07/30/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.3	1	07/30/21 13:35	07/31/21 07:47		
TPH-ORO (C28-C35)	ND	mg/kg	10.3	1	07/30/21 13:35	07/31/21 07:47		
Surrogates								
n-Tetracosane (S)	77	%	31-152	1	07/30/21 13:35	07/31/21 07:47	646-31-1	
p-Terphenyl (S)	86	%	46-130	1	07/30/21 13:35	07/31/21 07:47	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.5	1	07/30/21 11:19	07/30/21 14:14		
Surrogates								
4-Bromofluorobenzene (S)	100	%	63-121	1	07/30/21 11:19	07/30/21 14:14	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.3	1	07/30/21 11:19	07/30/21 12:01	71-43-2	
Ethylbenzene	ND	ug/kg	5.3	1	07/30/21 11:19	07/30/21 12:01	100-41-4	
Toluene	ND	ug/kg	5.3	1	07/30/21 11:19	07/30/21 12:01	108-88-3	
Xylene (Total)	ND	ug/kg	15.8	1	07/30/21 11:19	07/30/21 12:01	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	07/30/21 11:19	07/30/21 12:01	2037-26-5	
4-Bromofluorobenzene (S)	102	%	83-119	1	07/30/21 11:19	07/30/21 12:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/30/21 11:19	07/30/21 12:01	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**2.8**	%	0.50	1		07/30/21 10:55		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**412**	mg/kg	100	10	07/30/21 12:54	07/30/21 18:04	16887-00-6	

Sample: FS-19 **Lab ID: 60376263002** Collected: 07/28/21 14:45 Received: 07/30/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.1	1	07/30/21 13:35	07/31/21 08:11		
TPH-ORO (C28-C35)	ND	mg/kg	10.1	1	07/30/21 13:35	07/31/21 08:11		
Surrogates								
n-Tetracosane (S)	80	%	31-152	1	07/30/21 13:35	07/31/21 08:11	646-31-1	
p-Terphenyl (S)	88	%	46-130	1	07/30/21 13:35	07/31/21 08:11	92-94-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Sample: FS-19 **Lab ID: 60376263002** Collected: 07/28/21 14:45 Received: 07/30/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.4	1	07/30/21 11:19	07/30/21 14:29		
Surrogates								
4-Bromofluorobenzene (S)	102	%	63-121	1	07/30/21 11:19	07/30/21 14:29	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.2	1	07/30/21 11:19	07/30/21 12:21	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1	07/30/21 11:19	07/30/21 12:21	100-41-4	
Toluene	ND	ug/kg	5.2	1	07/30/21 11:19	07/30/21 12:21	108-88-3	
Xylene (Total)	ND	ug/kg	15.6	1	07/30/21 11:19	07/30/21 12:21	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	07/30/21 11:19	07/30/21 12:21	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	07/30/21 11:19	07/30/21 12:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/30/21 11:19	07/30/21 12:21	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**4.4**	%	0.50	1		07/30/21 10:55		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**761**	mg/kg	105	10	07/30/21 12:54	07/30/21 18:15	16887-00-6	M1

Sample: FS-20 **Lab ID: 60376263003** Collected: 07/28/21 15:10 Received: 07/30/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.4	1	07/30/21 13:35	07/31/21 08:19		
TPH-ORO (C28-C35)	ND	mg/kg	10.4	1	07/30/21 13:35	07/31/21 08:19		
Surrogates								
n-Tetracosane (S)	70	%	31-152	1	07/30/21 13:35	07/31/21 08:19	646-31-1	
p-Terphenyl (S)	77	%	46-130	1	07/30/21 13:35	07/31/21 08:19	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.5	1	07/30/21 11:19	07/30/21 14:44		
Surrogates								
4-Bromofluorobenzene (S)	100	%	63-121	1	07/30/21 11:19	07/30/21 14:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Sample: FS-20 **Lab ID: 60376263003** Collected: 07/28/21 15:10 Received: 07/30/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.8	1	07/30/21 11:19	07/30/21 12:41	71-43-2	
Ethylbenzene	ND	ug/kg	5.8	1	07/30/21 11:19	07/30/21 12:41	100-41-4	
Toluene	ND	ug/kg	5.8	1	07/30/21 11:19	07/30/21 12:41	108-88-3	
Xylene (Total)	ND	ug/kg	17.3	1	07/30/21 11:19	07/30/21 12:41	1330-20-7	
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	07/30/21 11:19	07/30/21 12:41	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	07/30/21 11:19	07/30/21 12:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	07/30/21 11:19	07/30/21 12:41	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**6.9**	%	0.50	1		07/30/21 10:56		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**616**	mg/kg	105	10	07/30/21 12:54	07/30/21 18:48	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

QC Batch: 735335 Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376263001, 60376263002, 60376263003

METHOD BLANK: 2949888 Matrix: Solid
Associated Lab Samples: 60376263001, 60376263002, 60376263003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	07/30/21 13:59	
4-Bromofluorobenzene (S)	%	100	63-121	07/30/21 13:59	

LABORATORY CONTROL SAMPLE: 2949889

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	47.1	94	71-107	
4-Bromofluorobenzene (S)	%			107	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2949890 2949891

Parameter	Units	60376263003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	56.7	54.1	50.7	48.0	88	88	29-143	5	26	
4-Bromofluorobenzene (S)	%						102	102	63-121			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

QC Batch: 735287
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376263001, 60376263002, 60376263003

METHOD BLANK: 2949625 Matrix: Solid
Associated Lab Samples: 60376263001, 60376263002, 60376263003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	07/30/21 11:30	
Ethylbenzene	ug/kg	ND	5.0	07/30/21 11:30	
Toluene	ug/kg	ND	5.0	07/30/21 11:30	
Xylene (Total)	ug/kg	ND	15.0	07/30/21 11:30	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120	07/30/21 11:30	
4-Bromofluorobenzene (S)	%	103	83-119	07/30/21 11:30	
Toluene-d8 (S)	%	106	80-120	07/30/21 11:30	

LABORATORY CONTROL SAMPLE: 2949626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1400	112	67-126	
Ethylbenzene	ug/kg	1250	1450	116	69-127	
Toluene	ug/kg	1250	1350	108	80-118	
Xylene (Total)	ug/kg	3750	4440	118	69-130	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			100	83-119	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2949627 2949628

Parameter	Units	60376263003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1420	1350	1380	1210	97	89	17-134	13	53	
Ethylbenzene	ug/kg	ND	1420	1350	1430	1230	101	90	10-137	15	60	
Toluene	ug/kg	ND	1420	1350	1330	1150	93	85	13-131	14	60	
Xylene (Total)	ug/kg	ND	4250	4060	4390	3820	103	94	10-137	14	58	
1,2-Dichlorobenzene-d4 (S)	%						101	100	80-120			
4-Bromofluorobenzene (S)	%						101	102	83-119			
Toluene-d8 (S)	%						98	99	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

QC Batch: 735283
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376263001, 60376263002, 60376263003

METHOD BLANK: 2949611 Matrix: Solid
Associated Lab Samples: 60376263001, 60376263002, 60376263003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.8	07/31/21 07:31	
TPH-ORO (C28-C35)	mg/kg	ND	9.8	07/31/21 07:31	
n-Tetracosane (S)	%	85	31-152	07/31/21 07:31	
p-Terphenyl (S)	%	94	46-130	07/31/21 07:31	

LABORATORY CONTROL SAMPLE: 2949612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	79.4	64.5	81	74-124	
n-Tetracosane (S)	%			86	31-152	
p-Terphenyl (S)	%			95	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2949613 2949614

Parameter	Units	60376263001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	85.5	82.3	70.0	66.2	79	77	30-130	6	35	
n-Tetracosane (S)	%						85	87	31-152			
p-Terphenyl (S)	%						94	95	46-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

QC Batch: 735294
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376263001, 60376263002, 60376263003

METHOD BLANK: 2949673 Matrix: Solid
Associated Lab Samples: 60376263001, 60376263002, 60376263003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	07/30/21 10:55	

SAMPLE DUPLICATE: 2949674

Parameter	Units	60376263001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.8	2.8	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

QC Batch: 735298 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376263001, 60376263002, 60376263003

METHOD BLANK: 2949699 Matrix: Solid
Associated Lab Samples: 60376263001, 60376263002, 60376263003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	07/30/21 17:20	

LABORATORY CONTROL SAMPLE: 2949700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	476	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2949701 2949702

Parameter	Units	60376263002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	761	513	511	937	1070	34	61	80-120	13	15	M1

SAMPLE DUPLICATE: 2949703

Parameter	Units	60376263003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	616	649	5	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
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Lenexa, KS 66219
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376263

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60376263001	**FS-17**	EPA 3546	735283	EPA 8015B	735389
60376263002	**FS-19**	EPA 3546	735283	EPA 8015B	735389
60376263003	**FS-20**	EPA 3546	735283	EPA 8015B	735389
60376263001	**FS-17**	EPA 5035A/5030B	735335	EPA 8015B	735336
60376263002	**FS-19**	EPA 5035A/5030B	735335	EPA 8015B	735336
60376263003	**FS-20**	EPA 5035A/5030B	735335	EPA 8015B	735336
60376263001	**FS-17**	EPA 5035A/5030B	735287	EPA 8260B	735313
60376263002	**FS-19**	EPA 5035A/5030B	735287	EPA 8260B	735313
60376263003	**FS-20**	EPA 5035A/5030B	735287	EPA 8260B	735313
60376263001	**FS-17**	ASTM D2974	735294		
60376263002	**FS-19**	ASTM D2974	735294		
60376263003	**FS-20**	ASTM D2974	735294		
60376263001	**FS-17**	EPA 9056	735298	EPA 9056	735475
60376263002	**FS-19**	EPA 9056	735298	EPA 9056	735475
60376263003	**FS-20**	EPA 9056	735298	EPA 9056	735475

Pace Analytical www.pacelabs.com

Sample Condition Upon Receipt

WO# : 60376263

60376263

Client Name: Tetra Tech

Courier: FedEx ☒ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 2819 9761 8612 Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ Zplc

Thermometer Used: T296 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): **As-read** 1.8 **Corr. Factor** -0.3 **Corrected** 1.5

Date and initials of person examining contents: 7/30/21 SM

Temperature should be above freezing to 6°C

Chain of Custody present:	☒Yes ☐No ☐N/A	
Chain of Custody relinquished:	☒Yes ☐No ☐N/A	
Samples arrived within holding time:	☒Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☒No ☐N/A	
Rush Turn Around Time requested:	☒Yes ☐No ☐N/A	Same Day
Sufficient volume:	☒Yes ☐No ☐N/A	
Correct containers used:	☒Yes ☐No ☐N/A	
Pace containers used:	☒Yes ☐No ☐N/A	
Containers intact:	☒Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☒N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☒N/A	
Sample labels match COC: Date / time / ID / analyses	☒Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☒No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☒N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☒N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☒N/A	
Samples from USDA Regulated Area: State: NM	☐Yes ☒No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☒N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev 11, February 28, 2018

COPIE TRA

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

6037626 3

Client Name:	ConocoPhillips Company	Site Manager:	Christian Llull
Project Name:	EVGSAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	FS-17	7/28/2021	1110		X				X		1		X	X	X	
	FS-19	7/28/2021	1445		X				X		1		X	X	X	
	FS-20	7/28/2021	1510		X				X		1		X	X	X	

1-WGFU

Relinquished by:	Date: 7-29-21	Time: 13:00	Received by:	Date: 7-29-21	Time: 15:00
Relinquished by:	Date: 7-29-21	Time: 14:35	Received by: FedEx	Date: 7-29-21	Time: 14:30
Relinquished by:	Date:	Time:	Received by: EBrockett /Pace	Date: 7.30.21	Time: 0910

LAB USE ONLY

Sample Temperature: 1.5

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

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 04, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on July 31, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60376379001	**FS-15**	Solid	07/29/21 15:20	07/31/21 08:50
60376379002	**FS-16**	Solid	07/29/21 09:10	07/31/21 08:50
60376379003	**FS-18**	Solid	07/29/21 14:30	07/31/21 08:50
60376379004	**FS-21**	Solid	07/29/21 13:30	07/31/21 08:50

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
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SAMPLE ANALYTE COUNT

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60376379001	**FS-15**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376379002	**FS-16**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376379003	**FS-18**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K
60376379004	**FS-21**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	JWR	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Sample: FS-15 **Lab ID: 60376379001** Collected: 07/29/21 15:20 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.4	1	08/02/21 08:16	08/02/21 16:39		
TPH-ORO (C28-C35)	ND	mg/kg	10.4	1	08/02/21 08:16	08/02/21 16:39		
Surrogates								
n-Tetracosane (S)	60	%	31-152	1	08/02/21 08:16	08/02/21 16:39	646-31-1	
p-Terphenyl (S)	83	%	46-130	1	08/02/21 08:16	08/02/21 16:39	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.0	1	08/02/21 08:49	08/02/21 14:08		
Surrogates								
4-Bromofluorobenzene (S)	101	%	63-121	1	08/02/21 08:49	08/02/21 14:08	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.5	1	08/02/21 07:52	08/02/21 10:41	71-43-2	
Ethylbenzene	ND	ug/kg	5.5	1	08/02/21 07:52	08/02/21 10:41	100-41-4	
Toluene	ND	ug/kg	5.5	1	08/02/21 07:52	08/02/21 10:41	108-88-3	
Xylene (Total)	ND	ug/kg	16.5	1	08/02/21 07:52	08/02/21 10:41	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	08/02/21 07:52	08/02/21 10:41	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	08/02/21 07:52	08/02/21 10:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	08/02/21 07:52	08/02/21 10:41	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**5.0**	%	0.50	1		08/02/21 09:09		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**190**	mg/kg	102	10	08/03/21 12:30	08/03/21 14:05	16887-00-6	

Sample: FS-16 **Lab ID: 60376379002** Collected: 07/29/21 09:10 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.6	1	08/02/21 08:16	08/02/21 17:03		
TPH-ORO (C28-C35)	ND	mg/kg	10.6	1	08/02/21 08:16	08/02/21 17:03		
Surrogates								
n-Tetracosane (S)	58	%	31-152	1	08/02/21 08:16	08/02/21 17:03	646-31-1	
p-Terphenyl (S)	80	%	46-130	1	08/02/21 08:16	08/02/21 17:03	92-94-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Sample: FS-16 **Lab ID: 60376379002** Collected: 07/29/21 09:10 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.9	1	08/02/21 08:49	08/02/21 14:23		
Surrogates								
4-Bromofluorobenzene (S)	103	%	63-121	1	08/02/21 08:49	08/02/21 14:23	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.9	1	08/02/21 07:52	08/02/21 11:01	71-43-2	
Ethylbenzene	ND	ug/kg	5.9	1	08/02/21 07:52	08/02/21 11:01	100-41-4	
Toluene	ND	ug/kg	5.9	1	08/02/21 07:52	08/02/21 11:01	108-88-3	
Xylene (Total)	ND	ug/kg	17.8	1	08/02/21 07:52	08/02/21 11:01	1330-20-7	
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	08/02/21 07:52	08/02/21 11:01	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	08/02/21 07:52	08/02/21 11:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	08/02/21 07:52	08/02/21 11:01	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**9.4**	%	0.50	1		08/02/21 09:09		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**801**	mg/kg	107	10	08/03/21 12:30	08/03/21 17:02	16887-00-6	

Sample: FS-18 **Lab ID: 60376379003** Collected: 07/29/21 14:30 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	9.8	1	08/02/21 08:16	08/02/21 17:11		
TPH-ORO (C28-C35)	ND	mg/kg	9.8	1	08/02/21 08:16	08/02/21 17:11		
Surrogates								
n-Tetracosane (S)	62	%	31-152	1	08/02/21 08:16	08/02/21 17:11	646-31-1	
p-Terphenyl (S)	84	%	46-130	1	08/02/21 08:16	08/02/21 17:11	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.4	1	08/02/21 08:49	08/02/21 14:38		
Surrogates								
4-Bromofluorobenzene (S)	103	%	63-121	1	08/02/21 08:49	08/02/21 14:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Sample: FS-18 **Lab ID: 60376379003** Collected: 07/29/21 14:30 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.2	1	08/02/21 07:52	08/02/21 12:01	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1	08/02/21 07:52	08/02/21 12:01	100-41-4	
Toluene	ND	ug/kg	5.2	1	08/02/21 07:52	08/02/21 12:01	108-88-3	
Xylene (Total)	ND	ug/kg	15.6	1	08/02/21 07:52	08/02/21 12:01	1330-20-7	
Surrogates								
Toluene-d8 (S)	106	%	80-120	1	08/02/21 07:52	08/02/21 12:01	2037-26-5	
4-Bromofluorobenzene (S)	105	%	83-119	1	08/02/21 07:52	08/02/21 12:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	08/02/21 07:52	08/02/21 12:01	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**3.0**	%	0.50	1		08/02/21 09:09		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**359**	mg/kg	103	10	08/03/21 12:30	08/03/21 15:22	16887-00-6	

Sample: FS-21 **Lab ID: 60376379004** Collected: 07/29/21 13:30 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	11.5	1	08/02/21 08:16	08/02/21 17:19		
TPH-ORO (C28-C35)	ND	mg/kg	11.5	1	08/02/21 08:16	08/02/21 17:19		
Surrogates								
n-Tetracosane (S)	57	%	31-152	1	08/02/21 08:16	08/02/21 17:19	646-31-1	
p-Terphenyl (S)	75	%	46-130	1	08/02/21 08:16	08/02/21 17:19	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	13.4	1	08/02/21 08:49	08/02/21 15:54		
Surrogates								
4-Bromofluorobenzene (S)	100	%	63-121	1	08/02/21 08:49	08/02/21 15:54	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.7	1	08/02/21 07:52	08/02/21 12:21	71-43-2	
Ethylbenzene	ND	ug/kg	6.7	1	08/02/21 07:52	08/02/21 12:21	100-41-4	
Toluene	ND	ug/kg	6.7	1	08/02/21 07:52	08/02/21 12:21	108-88-3	
Xylene (Total)	ND	ug/kg	20.1	1	08/02/21 07:52	08/02/21 12:21	1330-20-7	
Surrogates								
Toluene-d8 (S)	108	%	80-120	1	08/02/21 07:52	08/02/21 12:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Sample: FS-21 **Lab ID: 60376379004** Collected: 07/29/21 13:30 Received: 07/31/21 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	103	%	83-119	1	08/02/21 07:52	08/02/21 12:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	08/02/21 07:52	08/02/21 12:21	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**14.9**	%	0.50	1		08/02/21 09:09		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	115	10	08/03/21 12:30	08/03/21 16:07	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

QC Batch: 735438
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

METHOD BLANK: 2950452 Matrix: Solid
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/02/21 13:08	
4-Bromofluorobenzene (S)	%	103	63-121	08/02/21 13:08	

LABORATORY CONTROL SAMPLE: 2950453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	47.6	95	71-107	
4-Bromofluorobenzene (S)	%			106	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2950497 2950498

Parameter	Units	60376379003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	52.1	52.1	46.9	46.1	89	88	29-143	2	26	
4-Bromofluorobenzene (S)	%						105	104	63-121			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

QC Batch: 735434
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

METHOD BLANK: 2950434 Matrix: Solid
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/02/21 10:22	
Ethylbenzene	ug/kg	ND	5.0	08/02/21 10:22	
Toluene	ug/kg	ND	5.0	08/02/21 10:22	
Xylene (Total)	ug/kg	ND	15.0	08/02/21 10:22	
1,2-Dichlorobenzene-d4 (S)	%	98	80-120	08/02/21 10:22	
4-Bromofluorobenzene (S)	%	106	83-119	08/02/21 10:22	
Toluene-d8 (S)	%	108	80-120	08/02/21 10:22	

LABORATORY CONTROL SAMPLE: 2950435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1210	97	67-126	
Ethylbenzene	ug/kg	1250	1210	97	69-127	
Toluene	ug/kg	1250	1130	91	80-118	
Xylene (Total)	ug/kg	3750	3760	100	69-130	
1,2-Dichlorobenzene-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			103	83-119	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2950436 2950437

Parameter	Units	60376379002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1480	1480	1440	1500	97	101	17-134	4	53	
Ethylbenzene	ug/kg	ND	1480	1480	1460	1510	98	102	10-137	4	60	
Toluene	ug/kg	ND	1480	1480	1350	1410	91	95	13-131	4	60	
Xylene (Total)	ug/kg	ND	4450	4450	4500	4630	101	104	10-137	3	58	
1,2-Dichlorobenzene-d4 (S)	%						100	101	80-120			
4-Bromofluorobenzene (S)	%						102	101	83-119			
Toluene-d8 (S)	%						99	100	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

QC Batch: 735430
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

METHOD BLANK: 2950430 Matrix: Solid
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.9	08/02/21 16:23	
TPH-ORO (C28-C35)	mg/kg	ND	9.9	08/02/21 16:23	
n-Tetracosane (S)	%	64	31-152	08/02/21 16:23	
p-Terphenyl (S)	%	87	46-130	08/02/21 16:23	

LABORATORY CONTROL SAMPLE: 2950431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	80.9	64.5	80	74-124	
n-Tetracosane (S)	%			72	31-152	
p-Terphenyl (S)	%			99	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2950432 2950433

Parameter	Units	60376379001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	82.5	83.2	60.0	61.8	69	70	30-130	3	35	
n-Tetracosane (S)	%						58	56	31-152			
p-Terphenyl (S)	%						78	76	46-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

QC Batch: 735464
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

METHOD BLANK: 2950504 Matrix: Solid
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	08/02/21 09:09	

SAMPLE DUPLICATE: 2950505

Parameter	Units	60376356001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.8	26.7	1	20	

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REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

QC Batch: 735770 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

METHOD BLANK: 2951262 Matrix: Solid
Associated Lab Samples: 60376379001, 60376379002, 60376379003, 60376379004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	08/03/21 13:44	

LABORATORY CONTROL SAMPLE: 2951263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2951264 2951265

Parameter	Units	60376328001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	ND	527	510	569	584	96	102	80-120	3	15	

SAMPLE DUPLICATE: 2951266

Parameter	Units	60376328002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	65.4J		15	

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REPORT OF LABORATORY ANALYSIS

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(913)599-5665

QUALIFIERS

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EVGSAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376379

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60376379001	**FS-15**	EPA 3546	735430	EPA 8015B	735607
60376379002	**FS-16**	EPA 3546	735430	EPA 8015B	735607
60376379003	**FS-18**	EPA 3546	735430	EPA 8015B	735607
60376379004	**FS-21**	EPA 3546	735430	EPA 8015B	735607
60376379001	**FS-15**	EPA 5035A/5030B	735438	EPA 8015B	735494
60376379002	**FS-16**	EPA 5035A/5030B	735438	EPA 8015B	735494
60376379003	**FS-18**	EPA 5035A/5030B	735438	EPA 8015B	735494
60376379004	**FS-21**	EPA 5035A/5030B	735438	EPA 8015B	735494
60376379001	**FS-15**	EPA 5035A/5030B	735434	EPA 8260B	735510
60376379002	**FS-16**	EPA 5035A/5030B	735434	EPA 8260B	735510
60376379003	**FS-18**	EPA 5035A/5030B	735434	EPA 8260B	735510
60376379004	**FS-21**	EPA 5035A/5030B	735434	EPA 8260B	735510
60376379001	**FS-15**	ASTM D2974	735464		
60376379002	**FS-16**	ASTM D2974	735464		
60376379003	**FS-18**	ASTM D2974	735464		
60376379004	**FS-21**	ASTM D2974	735464		
60376379001	**FS-15**	EPA 9056	735770	EPA 9056	736015
60376379002	**FS-16**	EPA 9056	735770	EPA 9056	736015
60376379003	**FS-18**	EPA 9056	735770	EPA 9056	736015
60376379004	**FS-21**	EPA 9056	735770	EPA 9056	736015

Pace Analytical® www.pacelabs.com

Sample Condition Upon Receipt

WO# : 60376379

60376379

Client Name: Tetra Tech

Courier: FedEx ☒ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 782032538487 Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ Zplc

Thermometer Used: T298 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): As-read 4.2 Corr. Factor -0.5 Corrected 3.7

Date and initials of person examining contents: 7/31/2021

Temperature should be above freezing to 6°C

Chain of Custody present:	☒Yes ☐No ☐N/A	
Chain of Custody relinquished:	☒Yes ☐No ☐N/A	
Samples arrived within holding time:	☒Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☒No ☐N/A	
Rush Turn Around Time requested:	☒Yes ☐No ☐N/A	24 HR
Sufficient volume:	☒Yes ☐No ☐N/A	
Correct containers used:	☒Yes ☐No ☐N/A	
Pace containers used:	☒Yes ☐No ☐N/A	
Containers intact:	☒Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☒N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☒N/A	
Sample labels match COC: Date / time / ID / analyses	☒Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☒No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☒N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☒N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☒N/A	
Samples from USDA Regulated Area: State: NM	☐Yes ☒No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☒N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev 11, February 28, 2018

COPTETRA 03760379

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	ConocoPhillips Company	Site Manager:	Christian Llull
Project Name:	EVGSAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-01929
Invoice to:	Tetra Tech- Accounts Payable; 901 W Wall St, Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	FS-15	7/29/2021	1520		X				X			1		X	X	X	
	FS-16	7/29/2021	0910		X				X			1		X	X	X	
	FS-18	7/29/2021	1430		X				X			1		X	X	X	
	FS-21	7/29/2021	1330		X				X			1		X	X	X	

1-JGFU

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	7-30-21	11:00		7-30-21	11:00
	7-30-21	12:30	FedEx	730-21	12:30
				7/31/21	0850

LAB USE ONLY

Sample Temperature 3.7

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 #: _____

ORIGINAL COPY

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 09, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: LEA COUNTY NM
Pace Project No.: 60376903

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: LEA COUNTY NM
Pace Project No.: 60376903

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60376903001	**FS-1' (2FT)**	Solid	08/03/21 09:45	08/06/21 09:00
60376903002	**FS-2' (2FT)**	Solid	08/04/21 14:25	08/06/21 09:00
60376903003	**FS-14' (2FT)**	Solid	08/03/21 15:05	08/06/21 09:00
60376903004	**FS-16' (4FT)**	Solid	08/04/21 11:45	08/06/21 09:00
60376903005	**FS-19' (4FT)**	Solid	08/03/21 13:25	08/06/21 09:00
60376903006	**FS-20' (4FT)**	Solid	08/03/21 13:40	08/06/21 09:00
60376903007	**FS-23' (4FT)**	Solid	08/03/21 13:55	08/06/21 09:00

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: LEA COUNTY NM
Pace Project No.: 60376903

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60376903001	**FS-1' (2FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376903002	**FS-2' (2FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376903003	**FS-14' (2FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376903004	**FS-16' (4FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376903005	**FS-19' (4FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376903006	**FS-20' (4FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376903007	**FS-23' (4FT)**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Sample: FS-1' (2FT) **Lab ID: 60376903001** Collected: 08/03/21 09:45 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**11.2**	mg/kg	11.0	1	08/06/21 13:36	08/06/21 20:20		
TPH-ORO (C28-C35)	**12.8**	mg/kg	11.0	1	08/06/21 13:36	08/06/21 20:20		
Surrogates								
n-Tetracosane (S)	83	%	31-152	1	08/06/21 13:36	08/06/21 20:20	646-31-1	
p-Terphenyl (S)	87	%	46-130	1	08/06/21 13:36	08/06/21 20:20	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.5	1	08/06/21 13:21	08/06/21 19:08		
Surrogates								
4-Bromofluorobenzene (S)	108	%	63-121	1	08/06/21 13:21	08/06/21 19:08	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	**6.8**	ug/kg	5.8	1	08/06/21 14:12	08/06/21 17:38	71-43-2	
Ethylbenzene	**9.3**	ug/kg	5.8	1	08/06/21 14:12	08/06/21 17:38	100-41-4	
Toluene	**38.6**	ug/kg	5.8	1	08/06/21 14:12	08/06/21 17:38	108-88-3	
Xylene (Total)	**47.4**	ug/kg	17.3	1	08/06/21 14:12	08/06/21 17:38	1330-20-7	
Surrogates								
Toluene-d8 (S)	110	%	80-120	1	08/06/21 14:12	08/06/21 17:38	2037-26-5	
4-Bromofluorobenzene (S)	107	%	83-119	1	08/06/21 14:12	08/06/21 17:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	08/06/21 14:12	08/06/21 17:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**11.0**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**468**	mg/kg	112	10	08/06/21 14:23	08/07/21 01:19	16887-00-6	

Sample: FS-2' (2FT) **Lab ID: 60376903002** Collected: 08/04/21 14:25 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**106**	mg/kg	11.1	1	08/06/21 13:36	08/06/21 20:28		
TPH-ORO (C28-C35)	**156**	mg/kg	11.1	1	08/06/21 13:36	08/06/21 20:28		
Surrogates								
n-Tetracosane (S)	127	%	31-152	1	08/06/21 13:36	08/06/21 20:28	646-31-1	
p-Terphenyl (S)	110	%	46-130	1	08/06/21 13:36	08/06/21 20:28	92-94-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Sample: FS-2' (2FT) **Lab ID: 60376903002** Collected: 08/04/21 14:25 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.5	1	08/06/21 13:21	08/06/21 19:23		
Surrogates								
4-Bromofluorobenzene (S)	106	%	63-121	1	08/06/21 13:21	08/06/21 19:23	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.2	1	08/06/21 14:12	08/06/21 17:59	71-43-2	
Ethylbenzene	ND	ug/kg	6.2	1	08/06/21 14:12	08/06/21 17:59	100-41-4	
Toluene	**13.6**	ug/kg	6.2	1	08/06/21 14:12	08/06/21 17:59	108-88-3	
Xylene (Total)	ND	ug/kg	18.7	1	08/06/21 14:12	08/06/21 17:59	1330-20-7	
Surrogates								
Toluene-d8 (S)	110	%	80-120	1	08/06/21 14:12	08/06/21 17:59	2037-26-5	
4-Bromofluorobenzene (S)	105	%	83-119	1	08/06/21 14:12	08/06/21 17:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	08/06/21 14:12	08/06/21 17:59	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**13.0**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**400**	mg/kg	116	10	08/06/21 14:23	08/07/21 02:07	16887-00-6	

Sample: FS-14' (2FT) **Lab ID: 60376903003** Collected: 08/03/21 15:05 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	23.2	1	08/06/21 13:36	08/06/21 20:44		
TPH-ORO (C28-C35)	ND	mg/kg	23.2	1	08/06/21 13:36	08/06/21 20:44		
Surrogates								
n-Tetracosane (S)	73	%	31-152	1	08/06/21 13:36	08/06/21 20:44	646-31-1	
p-Terphenyl (S)	74	%	46-130	1	08/06/21 13:36	08/06/21 20:44	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.0	1	08/06/21 13:21	08/06/21 19:38		
Surrogates								
4-Bromofluorobenzene (S)	107	%	63-121	1	08/06/21 13:21	08/06/21 19:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Sample: FS-14' (2FT) **Lab ID: 60376903003** Collected: 08/03/21 15:05 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.0	1	08/06/21 14:12	08/06/21 18:20	71-43-2	
Ethylbenzene	ND	ug/kg	6.0	1	08/06/21 14:12	08/06/21 18:20	100-41-4	
Toluene	**11.5**	ug/kg	6.0	1	08/06/21 14:12	08/06/21 18:20	108-88-3	
Xylene (Total)	ND	ug/kg	18.0	1	08/06/21 14:12	08/06/21 18:20	1330-20-7	
Surrogates								
Toluene-d8 (S)	111	%	80-120	1	08/06/21 14:12	08/06/21 18:20	2037-26-5	
4-Bromofluorobenzene (S)	106	%	83-119	1	08/06/21 14:12	08/06/21 18:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	08/06/21 14:12	08/06/21 18:20	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**16.7**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	122	10	08/06/21 14:23	08/07/21 02:39	16887-00-6	

Sample: FS-16' (4FT) **Lab ID: 60376903004** Collected: 08/04/21 11:45 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.0	1	08/06/21 13:36	08/06/21 20:52		
TPH-ORO (C28-C35)	ND	mg/kg	10.0	1	08/06/21 13:36	08/06/21 20:52		
Surrogates								
n-Tetracosane (S)	79	%	31-152	1	08/06/21 13:36	08/06/21 20:52	646-31-1	
p-Terphenyl (S)	86	%	46-130	1	08/06/21 13:36	08/06/21 20:52	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.4	1	08/06/21 13:21	08/06/21 19:53		
Surrogates								
4-Bromofluorobenzene (S)	105	%	63-121	1	08/06/21 13:21	08/06/21 19:53	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.2	1	08/06/21 14:12	08/06/21 18:41	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1	08/06/21 14:12	08/06/21 18:41	100-41-4	
Toluene	**9.1**	ug/kg	5.2	1	08/06/21 14:12	08/06/21 18:41	108-88-3	
Xylene (Total)	ND	ug/kg	15.6	1	08/06/21 14:12	08/06/21 18:41	1330-20-7	
Surrogates								
Toluene-d8 (S)	111	%	80-120	1	08/06/21 14:12	08/06/21 18:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Sample: FS-16' (4FT) **Lab ID: 60376903004** Collected: 08/04/21 11:45 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	105	%	83-119	1	08/06/21 14:12	08/06/21 18:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	08/06/21 14:12	08/06/21 18:41	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**2.2**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**129**	mg/kg	105	10	08/06/21 14:23	08/07/21 02:55	16887-00-6	

Sample: FS-19' (4FT) **Lab ID: 60376903005** Collected: 08/03/21 13:25 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.5	1	08/06/21 13:36	08/06/21 21:16		
TPH-ORO (C28-C35)	ND	mg/kg	10.5	1	08/06/21 13:36	08/06/21 21:16		
Surrogates								
n-Tetracosane (S)	72	%	31-152	1	08/06/21 13:36	08/06/21 21:16	646-31-1	
p-Terphenyl (S)	76	%	46-130	1	08/06/21 13:36	08/06/21 21:16	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	9.9	1	08/06/21 13:21	08/06/21 20:08		
Surrogates								
4-Bromofluorobenzene (S)	104	%	63-121	1	08/06/21 13:21	08/06/21 20:08	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	4.9	1	08/06/21 14:12	08/06/21 19:02	71-43-2	
Ethylbenzene	ND	ug/kg	4.9	1	08/06/21 14:12	08/06/21 19:02	100-41-4	
Toluene	**8.2**	ug/kg	4.9	1	08/06/21 14:12	08/06/21 19:02	108-88-3	
Xylene (Total)	ND	ug/kg	14.8	1	08/06/21 14:12	08/06/21 19:02	1330-20-7	
Surrogates								
Toluene-d8 (S)	112	%	80-120	1	08/06/21 14:12	08/06/21 19:02	2037-26-5	
4-Bromofluorobenzene (S)	105	%	83-119	1	08/06/21 14:12	08/06/21 19:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	08/06/21 14:12	08/06/21 19:02	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Sample: FS-19' (4FT) **Lab ID: 60376903005** Collected: 08/03/21 13:25 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**6.0**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**795**	mg/kg	104	10	08/06/21 14:23	08/07/21 03:10	16887-00-6	

Sample: FS-20' (4FT) **Lab ID: 60376903006** Collected: 08/03/21 13:40 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	11.3	1	08/06/21 13:36	08/06/21 21:24		
TPH-ORO (C28-C35)	ND	mg/kg	11.3	1	08/06/21 13:36	08/06/21 21:24		
Surrogates								
n-Tetracosane (S)	81	%	31-152	1	08/06/21 13:36	08/06/21 21:24	646-31-1	
p-Terphenyl (S)	88	%	46-130	1	08/06/21 13:36	08/06/21 21:24	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.8	1	08/06/21 13:21	08/06/21 20:54		
Surrogates								
4-Bromofluorobenzene (S)	106	%	63-121	1	08/06/21 13:21	08/06/21 20:54	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.4	1	08/06/21 14:12	08/06/21 19:23	71-43-2	
Ethylbenzene	ND	ug/kg	6.4	1	08/06/21 14:12	08/06/21 19:23	100-41-4	
Toluene	**8.3**	ug/kg	6.4	1	08/06/21 14:12	08/06/21 19:23	108-88-3	
Xylene (Total)	ND	ug/kg	19.2	1	08/06/21 14:12	08/06/21 19:23	1330-20-7	
Surrogates								
Toluene-d8 (S)	111	%	80-120	1	08/06/21 14:12	08/06/21 19:23	2037-26-5	
4-Bromofluorobenzene (S)	106	%	83-119	1	08/06/21 14:12	08/06/21 19:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	08/06/21 14:12	08/06/21 19:23	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**13.0**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**1170**	mg/kg	113	10	08/06/21 14:23	08/07/21 03:26	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY NM
Pace Project No.: 60376903

Sample: FS-23' (4FT) **Lab ID: 60376903007** Collected: 08/03/21 13:55 Received: 08/06/21 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	24.8	1	08/06/21 13:36	08/06/21 21:32		
TPH-ORO (C28-C35)	ND	mg/kg	24.8	1	08/06/21 13:36	08/06/21 21:32		
Surrogates								
n-Tetracosane (S)	87	%	31-152	1	08/06/21 13:36	08/06/21 21:32	646-31-1	
p-Terphenyl (S)	87	%	46-130	1	08/06/21 13:36	08/06/21 21:32	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	15.4	1	08/06/21 13:21	08/06/21 21:39		
Surrogates								
4-Bromofluorobenzene (S)	105	%	63-121	1	08/06/21 13:21	08/06/21 21:39	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	7.7	1	08/06/21 14:12	08/06/21 19:44	71-43-2	
Ethylbenzene	ND	ug/kg	7.7	1	08/06/21 14:12	08/06/21 19:44	100-41-4	
Toluene	**10.4**	ug/kg	7.7	1	08/06/21 14:12	08/06/21 19:44	108-88-3	
Xylene (Total)	ND	ug/kg	23.1	1	08/06/21 14:12	08/06/21 19:44	1330-20-7	
Surrogates								
Toluene-d8 (S)	112	%	80-120	1	08/06/21 14:12	08/06/21 19:44	2037-26-5	
4-Bromofluorobenzene (S)	106	%	83-119	1	08/06/21 14:12	08/06/21 19:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	08/06/21 14:12	08/06/21 19:44	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**23.1**	%	0.50	1		08/06/21 12:19		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**418**	mg/kg	131	10	08/06/21 14:23	08/07/21 04:14	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY NM
Pace Project No.: 60376903

QC Batch: 736619 | Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B | Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

METHOD BLANK: 2954147 Matrix: Solid
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/06/21 18:52	
4-Bromofluorobenzene (S)	%	107	63-121	08/06/21 18:52	

LABORATORY CONTROL SAMPLE: 2954148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	45.7	91	71-107	
4-Bromofluorobenzene (S)	%			111	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954149 2954150

Parameter	Units	60376903005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	49.1	49.3	42.3	42.6	85	85	29-143	1	26	
4-Bromofluorobenzene (S)	%						108	109	63-121			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY NM
Pace Project No.: 60376903

QC Batch: 736645
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

METHOD BLANK: 2954211 Matrix: Solid
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/06/21 17:17	
Ethylbenzene	ug/kg	ND	5.0	08/06/21 17:17	
Toluene	ug/kg	ND	5.0	08/06/21 17:17	
Xylene (Total)	ug/kg	ND	15.0	08/06/21 17:17	
1,2-Dichlorobenzene-d4 (S)	%	97	80-120	08/06/21 17:17	
4-Bromofluorobenzene (S)	%	105	83-119	08/06/21 17:17	
Toluene-d8 (S)	%	108	80-120	08/06/21 17:17	

LABORATORY CONTROL SAMPLE: 2954212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1300	104	67-126	
Ethylbenzene	ug/kg	1250	1280	103	69-127	
Toluene	ug/kg	1250	1180	95	80-118	
Xylene (Total)	ug/kg	3750	3950	105	69-130	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			104	83-119	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954213 2954214

Parameter	Units	60376903005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1220	1230	1220	1250	99	101	17-134	3	53	
Ethylbenzene	ug/kg	ND	1220	1230	1180	1220	96	98	10-137	3	60	
Toluene	ug/kg	8.2	1220	1230	1090	1130	88	91	13-131	4	60	
Xylene (Total)	ug/kg	ND	3680	3700	3620	3760	98	102	10-137	4	58	
1,2-Dichlorobenzene-d4 (S)	%						99	98	80-120			
4-Bromofluorobenzene (S)	%						103	105	83-119			
Toluene-d8 (S)	%						102	103	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY NM
Pace Project No.: 60376903

QC Batch: 736597
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

METHOD BLANK: 2954042 Matrix: Solid
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.7	08/06/21 20:04	
TPH-ORO (C28-C35)	mg/kg	ND	9.7	08/06/21 20:04	
n-Tetracosane (S)	%	89	31-152	08/06/21 20:04	
p-Terphenyl (S)	%	94	46-130	08/06/21 20:04	

LABORATORY CONTROL SAMPLE: 2954043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	81.4	64.6	79	74-124	
n-Tetracosane (S)	%			87	31-152	
p-Terphenyl (S)	%			95	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954078 2954079

Parameter	Units	60376903004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	80.5	83.6	64.6	64.6	78	75	30-130	0	35	
n-Tetracosane (S)	%						81	77	31-152			
p-Terphenyl (S)	%						90	82	46-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY NM
Pace Project No.: 60376903

QC Batch: 736605
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

METHOD BLANK: 2954065 Matrix: Solid
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	08/06/21 12:19	

SAMPLE DUPLICATE: 2954066

Parameter	Units	60376903006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.0	12.6	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY NM
Pace Project No.: 60376903

QC Batch: 736621 | Analysis Method: EPA 9056
QC Batch Method: EPA 9056 | Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

METHOD BLANK: 2954151 Matrix: Solid
Associated Lab Samples: 60376903001, 60376903002, 60376903003, 60376903004, 60376903005, 60376903006, 60376903007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	08/07/21 00:16	

LABORATORY CONTROL SAMPLE: 2954152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	485	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954153 2954154

Parameter	Units	60376903001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	468	541	573	926	1030	85	98	80-120	10	15	

SAMPLE DUPLICATE: 2954155

Parameter	Units	60376903002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	400	361	10	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: LEA COUNTY NM
Pace Project No.: 60376903

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 60376903003

[1] Container broken upon arrival. Sample exposed to cooler water

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEA COUNTY NM
Pace Project No.: 60376903

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60376903001	**FS-1' (2FT)**	EPA 3546	736597	EPA 8015B	736707
60376903002	**FS-2' (2FT)**	EPA 3546	736597	EPA 8015B	736707
60376903003	**FS-14' (2FT)**	EPA 3546	736597	EPA 8015B	736707
60376903004	**FS-16' (4FT)**	EPA 3546	736597	EPA 8015B	736707
60376903005	**FS-19' (4FT)**	EPA 3546	736597	EPA 8015B	736707
60376903006	**FS-20' (4FT)**	EPA 3546	736597	EPA 8015B	736707
60376903007	**FS-23' (4FT)**	EPA 3546	736597	EPA 8015B	736707
60376903001	**FS-1' (2FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903002	**FS-2' (2FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903003	**FS-14' (2FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903004	**FS-16' (4FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903005	**FS-19' (4FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903006	**FS-20' (4FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903007	**FS-23' (4FT)**	EPA 5035A/5030B	736619	EPA 8015B	736711
60376903001	**FS-1' (2FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903002	**FS-2' (2FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903003	**FS-14' (2FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903004	**FS-16' (4FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903005	**FS-19' (4FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903006	**FS-20' (4FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903007	**FS-23' (4FT)**	EPA 5035A/5030B	736645	EPA 8260B	736658
60376903001	**FS-1' (2FT)**	ASTM D2974	736605		
60376903002	**FS-2' (2FT)**	ASTM D2974	736605		
60376903003	**FS-14' (2FT)**	ASTM D2974	736605		
60376903004	**FS-16' (4FT)**	ASTM D2974	736605		
60376903005	**FS-19' (4FT)**	ASTM D2974	736605		
60376903006	**FS-20' (4FT)**	ASTM D2974	736605		
60376903007	**FS-23' (4FT)**	ASTM D2974	736605		
60376903001	**FS-1' (2FT)**	EPA 9056	736621	EPA 9056	736667
60376903002	**FS-2' (2FT)**	EPA 9056	736621	EPA 9056	736667
60376903003	**FS-14' (2FT)**	EPA 9056	736621	EPA 9056	736667
60376903004	**FS-16' (4FT)**	EPA 9056	736621	EPA 9056	736667
60376903005	**FS-19' (4FT)**	EPA 9056	736621	EPA 9056	736667
60376903006	**FS-20' (4FT)**	EPA 9056	736621	EPA 9056	736667
60376903007	**FS-23' (4FT)**	EPA 9056	736621	EPA 9056	736667

Pace Analytical
www.pacelabs.com

Sample Condition Upon Receipt

WO#: 60376903

60376903

Client Name: TetraTech, Inc

Courier: FedEx ☑ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 2822 4848 1241 Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: T2910 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): As-read 2.2 Corr. Factor -0.3 Corrected 1.9

Date and initials of person examining contents: 20/09/21 MLK

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	24 hr
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	WGFU for SS-14' (2-ft) received broken & exposed to cooler water
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO3, H2SO4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☑No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: NM Lea County	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev 11, February 28, 2018

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

6037 6902

Client Name:	ConocoPhillips Company	Site Manager:	Christian Llull
Project Name:	EVSGAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 DATE	TIME	MATRIX WATER	SOIL		PRESERVATIVE METHOD HCL	HNO_3	ICE	None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	FS-1' (2-FT)	8/3/2021	0945		X				X			1		X	X	X	
	FS-2' (2-FT)	8/4/2021	1425		X				X			1		X	X	X	
	FS-14' (2-FT)	8/3/2021	1505		X				X			1		X	X	X	
	FS-16' (4-FT)	8/4/2021	1145		X				X			1		X	X	X	
	FS-19' (4-FT)	8/3/2021	1325		X				X			1		X	X	X	
	FS-20' (4-FT)	8/3/2021	1340		X				X			1		X	X	X	
	FS-23' (4-FT)	8/3/2021	1355		X				X			1		X	X	X	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	8.5.21	12:00		8521	12:00
	8521	15:00		8-521	15:00
			Meyer/Pace	8/06/21	0900

LAB USE ONLY
Sample Temperature 1.9°

REMARKS:
- [ ] STANDARD
- [X] RUSH: 24 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 11, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

Revised report REV_1

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60376982001	**ESW-2 (4')**	Solid	08/05/21 13:25	08/07/21 09:10
60376982004	**FS-13 (2')**	Solid	08/05/21 15:25	08/07/21 09:10

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60376982001	**ESW-2 (4')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K
60376982004	**FS-13 (2')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Sample: ESW-2 (4') **Lab ID: 60376982001** Collected: 08/05/21 13:25 Received: 08/07/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	11.3	1	08/09/21 09:20	08/09/21 15:46		
TPH-ORO (C28-C35)	ND	mg/kg	11.3	1	08/09/21 09:20	08/09/21 15:46		
Surrogates								
n-Tetracosane (S)	77	%	31-152	1	08/09/21 09:20	08/09/21 15:46	646-31-1	CH
p-Terphenyl (S)	63	%	46-130	1	08/09/21 09:20	08/09/21 15:46	92-94-4	CH
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	13.3	1	08/09/21 11:08	08/09/21 17:56		
Surrogates								
4-Bromofluorobenzene (S)	105	%	63-121	1	08/09/21 11:08	08/09/21 17:56	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.6	1	08/09/21 11:08	08/09/21 11:47	71-43-2	
Ethylbenzene	ND	ug/kg	6.6	1	08/09/21 11:08	08/09/21 11:47	100-41-4	
Toluene	ND	ug/kg	6.6	1	08/09/21 11:08	08/09/21 11:47	108-88-3	
Xylene (Total)	ND	ug/kg	19.9	1	08/09/21 11:08	08/09/21 11:47	1330-20-7	
Surrogates								
Toluene-d8 (S)	110	%	80-120	1	08/09/21 11:08	08/09/21 11:47	2037-26-5	
4-Bromofluorobenzene (S)	105	%	83-119	1	08/09/21 11:08	08/09/21 11:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	08/09/21 11:08	08/09/21 11:47	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**13.7**	%	0.50	1		08/09/21 09:30		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**140**	mg/kg	119	10	08/09/21 10:30	08/09/21 18:41	16887-00-6	L2

Sample: FS-13 (2') **Lab ID: 60376982004** Collected: 08/05/21 15:25 Received: 08/07/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	10.3	1	08/09/21 09:20	08/09/21 16:10		
TPH-ORO (C28-C35)	ND	mg/kg	10.3	1	08/09/21 09:20	08/09/21 16:10		
Surrogates								
n-Tetracosane (S)	89	%	31-152	1	08/09/21 09:20	08/09/21 16:10	646-31-1	CH
p-Terphenyl (S)	76	%	46-130	1	08/09/21 09:20	08/09/21 16:10	92-94-4	CH

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Sample: FS-13 (2') **Lab ID: 60376982004** Collected: 08/05/21 15:25 Received: 08/07/21 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.5	1	08/09/21 11:08	08/09/21 18:41		
Surrogates								
4-Bromofluorobenzene (S)	104	%	63-121	1	08/09/21 11:08	08/09/21 18:41	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.2	1	08/09/21 11:08	08/09/21 12:08	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1	08/09/21 11:08	08/09/21 12:08	100-41-4	
Toluene	ND	ug/kg	5.2	1	08/09/21 11:08	08/09/21 12:08	108-88-3	
Xylene (Total)	ND	ug/kg	15.7	1	08/09/21 11:08	08/09/21 12:08	1330-20-7	
Surrogates								
Toluene-d8 (S)	112	%	80-120	1	08/09/21 11:08	08/09/21 12:08	2037-26-5	
4-Bromofluorobenzene (S)	106	%	83-119	1	08/09/21 11:08	08/09/21 12:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	08/09/21 11:08	08/09/21 12:08	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**3.9**	%	0.50	1		08/09/21 09:30		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**453**	mg/kg	107	10	08/09/21 10:30	08/09/21 19:21	16887-00-6	L2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

QC Batch: 736909
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376982001, 60376982004

METHOD BLANK: 2955184 Matrix: Solid
Associated Lab Samples: 60376982001, 60376982004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/09/21 17:41	
4-Bromofluorobenzene (S)	%	105	63-121	08/09/21 17:41	

LABORATORY CONTROL SAMPLE: 2955185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	41.3	83	71-107	
4-Bromofluorobenzene (S)	%			111	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2955186 2955187

Parameter	Units	60376982001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	66.3	66.3	62.1	62.0	93	93	29-143	0	26	
4-Bromofluorobenzene (S)	%						110	111	63-121			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

QC Batch: 736820
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376982001, 60376982004

METHOD BLANK: 2954914 Matrix: Solid
Associated Lab Samples: 60376982001, 60376982004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/09/21 11:26	
Ethylbenzene	ug/kg	ND	5.0	08/09/21 11:26	
Toluene	ug/kg	ND	5.0	08/09/21 11:26	
Xylene (Total)	ug/kg	ND	15.0	08/09/21 11:26	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120	08/09/21 11:26	
4-Bromofluorobenzene (S)	%	107	83-119	08/09/21 11:26	
Toluene-d8 (S)	%	110	80-120	08/09/21 11:26	

LABORATORY CONTROL SAMPLE: 2954915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1270	102	67-126	
Ethylbenzene	ug/kg	1250	1190	95	69-127	
Toluene	ug/kg	1250	1120	90	80-118	
Xylene (Total)	ug/kg	3750	3690	98	69-130	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			104	83-119	
Toluene-d8 (S)	%			104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954916 2954917

Parameter	Units	60376982004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1310	1310	1310	1300	100	99	17-134	1	53	
Ethylbenzene	ug/kg	ND	1310	1310	1270	1270	97	97	10-137	0	60	
Toluene	ug/kg	ND	1310	1310	1180	1180	90	91	13-131	0	60	
Xylene (Total)	ug/kg	ND	3920	3920	3940	3930	100	100	10-137	0	58	
1,2-Dichlorobenzene-d4 (S)	%						101	100	80-120			
4-Bromofluorobenzene (S)	%						105	103	83-119			
Toluene-d8 (S)	%						103	102	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

QC Batch: 736766
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376982001, 60376982004

METHOD BLANK: 2954803 Matrix: Solid
Associated Lab Samples: 60376982001, 60376982004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.8	08/09/21 15:30	
TPH-ORO (C28-C35)	mg/kg	ND	9.8	08/09/21 15:30	
n-Tetracosane (S)	%	79	31-152	08/09/21 15:30	CH
p-Terphenyl (S)	%	81	46-130	08/09/21 15:30	CH

LABORATORY CONTROL SAMPLE: 2954804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	82.7	65.6	79	74-124	
n-Tetracosane (S)	%			82	31-152	CH
p-Terphenyl (S)	%			84	46-130	CH

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954805 2954806

Parameter	Units	60376982001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	93.3	94.9	88.2	94.1	83	87	30-130	6	35	
n-Tetracosane (S)	%						102	103	31-152			CH
p-Terphenyl (S)	%						82	84	46-130			CH

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

QC Batch: 736775
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376982001, 60376982004

METHOD BLANK: 2954835 Matrix: Solid
Associated Lab Samples: 60376982001, 60376982004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	08/09/21 09:30	

SAMPLE DUPLICATE: 2954836

Parameter	Units	60376989001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.3	5.0	6	20	

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REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

QC Batch: 736809
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376982001, 60376982004

METHOD BLANK: 2954895 Matrix: Solid
Associated Lab Samples: 60376982001, 60376982004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	10.0	08/09/21 17:08	

LABORATORY CONTROL SAMPLE: 2954896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	48.0	10	80-120	L2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2954897 2954898

Parameter	Units	60376257001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	1800	5960	5980	6260	7270	75	91	80-120	15	15	M0

SAMPLE DUPLICATE: 2954899

Parameter	Units	60376257002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	3680	3700	1	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

QUALIFIERS

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, LLC
9608 Loiret Blvd.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EVSGAU 3308-007 FLOWLINE RELEA
Pace Project No.: 60376982

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60376982001	**ESW-2 (4')**	EPA 3546	736766	EPA 8015B	736887
60376982004	**FS-13 (2')**	EPA 3546	736766	EPA 8015B	736887
60376982001	**ESW-2 (4')**	EPA 5035A/5030B	736909	EPA 8015B	736980
60376982004	**FS-13 (2')**	EPA 5035A/5030B	736909	EPA 8015B	736980
60376982001	**ESW-2 (4')**	EPA 5035A/5030B	736820	EPA 8260B	736834
60376982004	**FS-13 (2')**	EPA 5035A/5030B	736820	EPA 8260B	736834
60376982001	**ESW-2 (4')**	ASTM D2974	736775		
60376982004	**FS-13 (2')**	ASTM D2974	736775		
60376982001	**ESW-2 (4')**	EPA 9056	736809	EPA 9056	736950
60376982004	**FS-13 (2')**	EPA 9056	736809	EPA 9056	736950

Pace Analytical® www.pacelabs.com

Sample Condition Upon Receipt

WO#: 60376982

60376982

Client Name: Tetra Tech

Courier: FedEx ☑ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 282869702911 Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: T-296 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): As-read 2.6 Corr. Factor -0.3 Corrected 2.3

Date and initials of person examining contents: AN 8/18/21

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	24Hr
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: NM	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

6037698L

Client Name:	ConocoPhillips Company	Site Manager:	Christian Llull
Project Name:	EVSGAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	ESW-2" (4-FT)	8/5/2021	1325		X				X			1		X	X	X	
	ESW-2" (8-FT)	8/5/2021	1405		X				X			1		X	X	X	X
	ESW-2" (12-FT)	8/5/2021	1425		X				X			1		X	X	X	X
	FS-13' (2-FT)	8/5/2021	1525		X				X			1		X	X	X	

WG FW

Relinquished by:	Date: 8/6/21	Time: 11:30	Received by: Date: 8-6-21 Time: 11:30
Relinquished by:	Date: 8-6-21	Time: 14:00	Received by: FedEx Date: 8-6-21 Time: 14:00
Relinquished by:	Date:	Time:	Received by: Date: 8/7/21 Time: 0910

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ STANDARD
- ☒ RUSH: 24 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 12, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: LEA COUNTY,NM
Pace Project No.: 60377279

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on August 12, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: LEA COUNTY,NM
Pace Project No.: 60377279

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: LEA COUNTY,NM
Pace Project No.: 60377279

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60377279001	**FS-2 (4')**	Solid	08/10/21 09:45	08/12/21 08:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: LEA COUNTY,NM
Pace Project No.: 60377279

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60377279001	**FS-2 (4')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	CJC	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	ALH	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: LEA COUNTY,NM
Pace Project No.: 60377279

Sample: FS-2 (4') **Lab ID: 60377279001** Collected: 08/10/21 09:45 Received: 08/12/21 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	ND	mg/kg	11.3	1	08/12/21 10:07	08/12/21 11:43		
TPH-ORO (C28-C35)	ND	mg/kg	11.3	1	08/12/21 10:07	08/12/21 11:43		
Surrogates								
n-Tetracosane (S)	54	%	31-152	1	08/12/21 10:07	08/12/21 11:43	646-31-1	
p-Terphenyl (S)	75	%	46-130	1	08/12/21 10:07	08/12/21 11:43	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.8	1	08/12/21 10:14	08/12/21 12:58		
Surrogates								
4-Bromofluorobenzene (S)	90	%	63-121	1	08/12/21 10:14	08/12/21 12:58	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.5	1	08/12/21 09:22	08/12/21 11:52	71-43-2	
Ethylbenzene	ND	ug/kg	6.5	1	08/12/21 09:22	08/12/21 11:52	100-41-4	
Toluene	ND	ug/kg	6.5	1	08/12/21 09:22	08/12/21 11:52	108-88-3	
Xylene (Total)	ND	ug/kg	19.6	1	08/12/21 09:22	08/12/21 11:52	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	08/12/21 09:22	08/12/21 11:52	2037-26-5	
4-Bromofluorobenzene (S)	101	%	83-119	1	08/12/21 09:22	08/12/21 11:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	08/12/21 09:22	08/12/21 11:52	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**13.4**	%	0.50	1		08/12/21 09:22		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**786**	mg/kg	113	10	08/12/21 11:22	08/12/21 12:05	16887-00-6	M1,R1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY,NM
Pace Project No.: 60377279

QC Batch: 737621
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60377279001

METHOD BLANK: 2957519 Matrix: Solid
Associated Lab Samples: 60377279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/12/21 12:42	
4-Bromofluorobenzene (S)	%	95	63-121	08/12/21 12:42	

LABORATORY CONTROL SAMPLE: 2957520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	44.0	88	71-107	
4-Bromofluorobenzene (S)	%			96	63-121	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: LEA COUNTY,NM
Pace Project No.: 60377279

QC Batch: 737602
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60377279001

METHOD BLANK: 2957440 Matrix: Solid
Associated Lab Samples: 60377279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/12/21 10:02	
Ethylbenzene	ug/kg	ND	5.0	08/12/21 10:02	
Toluene	ug/kg	ND	5.0	08/12/21 10:02	
Xylene (Total)	ug/kg	ND	15.0	08/12/21 10:02	
1,2-Dichlorobenzene-d4 (S)	%	98	80-120	08/12/21 10:02	
4-Bromofluorobenzene (S)	%	102	83-119	08/12/21 10:02	
Toluene-d8 (S)	%	104	80-120	08/12/21 10:02	

LABORATORY CONTROL SAMPLE: 2957441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1010	81	67-126	
Ethylbenzene	ug/kg	1250	1120	90	69-127	
Toluene	ug/kg	1250	1040	84	80-118	
Xylene (Total)	ug/kg	3750	3480	93	69-130	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			100	83-119	
Toluene-d8 (S)	%			97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2957442 2957443

Parameter	Units	60377279001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1620	1630	1430	1530	88	94	17-134	7	53	
Ethylbenzene	ug/kg	ND	1620	1630	1550	1660	96	102	10-137	7	60	
Toluene	ug/kg	ND	1620	1630	1450	1560	89	96	13-131	7	60	
Xylene (Total)	ug/kg	ND	4860	4880	4800	5140	99	105	10-137	7	58	
1,2-Dichlorobenzene-d4 (S)	%						98	99	80-120			
4-Bromofluorobenzene (S)	%						99	99	83-119			
Toluene-d8 (S)	%						96	98	80-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY,NM
Pace Project No.: 60377279

QC Batch: 737603
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60377279001

METHOD BLANK: 2957446 Matrix: Solid
Associated Lab Samples: 60377279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.5	08/12/21 11:26	
TPH-ORO (C28-C35)	mg/kg	ND	9.5	08/12/21 11:26	
n-Tetracosane (S)	%	72	31-152	08/12/21 11:26	
p-Terphenyl (S)	%	109	46-130	08/12/21 11:26	

LABORATORY CONTROL SAMPLE: 2957447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	82.8	76.6	93	74-124	
n-Tetracosane (S)	%			83	31-152	
p-Terphenyl (S)	%			112	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2957448 2957449

Parameter	Units	60377279001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	96.2	96	76.9	76.9	77	78	30-130	0	35	
n-Tetracosane (S)	%						63	60	31-152			
p-Terphenyl (S)	%						93	95	46-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY,NM
Pace Project No.: 60377279

QC Batch: 737587
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60377279001

METHOD BLANK: 2957391 Matrix: Solid
Associated Lab Samples: 60377279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	08/12/21 09:22	

SAMPLE DUPLICATE: 2957392

Parameter	Units	60377279001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.4	13.5	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: LEA COUNTY,NM
Pace Project No.: 60377279

QC Batch: 737612
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60377279001

METHOD BLANK: 2957491 Matrix: Solid
Associated Lab Samples: 60377279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	08/12/21 11:33	

LABORATORY CONTROL SAMPLE: 2957492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2957493 2957494

Parameter	Units	60377279001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	786	583	563	1540	1220	130	78	80-120	23	15	M1,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: LEA COUNTY,NM
Pace Project No.: 60377279

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEA COUNTY,NM
Pace Project No.: 60377279

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60377279001	**FS-2 (4')**	EPA 3546	737603	EPA 8015B	737651
60377279001	**FS-2 (4')**	EPA 5035A/5030B	737621	EPA 8015B	737646
60377279001	**FS-2 (4')**	EPA 5035A/5030B	737602	EPA 8260B	737609
60377279001	**FS-2 (4')**	ASTM D2974	737587		
60377279001	**FS-2 (4')**	EPA 9056	737612	EPA 9056	737658

Pace Analytical www.pacelabs.com

Sample Condition Upon Receipt

WO# : 60377279

60377279

Client Name: Tetra Tech

Courier: FedEx ☒ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 2824 5997 5940 Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ Ziplc

Thermometer Used: T294 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): As-read 2.2 Corr. Factor -0.3 Corrected 1.9

Date and initials of person examining contents: 8/12/21 dr2

Temperature should be above freezing to 6°C

Chain of Custody present:	☒Yes ☐No ☐N/A	
Chain of Custody relinquished:	☒Yes ☐No ☐N/A	
Samples arrived within holding time:	☒Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☒No ☐N/A	
Rush Turn Around Time requested:	☒Yes ☐No ☐N/A	24 Hr
Sufficient volume:	☒Yes ☐No ☐N/A	
Correct containers used:	☒Yes ☐No ☐N/A	
Pace containers used:	☒Yes ☐No ☐N/A	
Containers intact:	☒Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☒N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☒N/A	
Sample labels match COC: Date / time / ID / analyses	☒Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☒No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☒N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☒N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☒N/A	
Samples from USDA Regulated Area: State: NM	☐Yes ☒No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☒N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev.11, February 28, 2018

COPTETRA

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	ConocoPhillips Company	**Site Manager:**	Christian Llull
Project Name:	EVSGAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	~~SS~~SW-2" (4-FT)	8/10/2021	0945		X				X			1		X	X	X	

Relinquished by:	Date: 8-11-21 Time: 14:30	Received by:	Date: 8-11-21 Time: 14:30
Relinquished by:	Date: 8-11-21 Time: 14:30	Received by:	Date: 8-11-21 Time: 14:30
Relinquished by:	Date: Time:	Received by:	Date: 8-12-21 Time: 0830

LAB USE ONLY

Sample Temperature 1.9°C

REMARKS:

- ☐ STANDARD
- ☒ RUSH: 24 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

ANALYTICAL REPORT

July 16, 2021

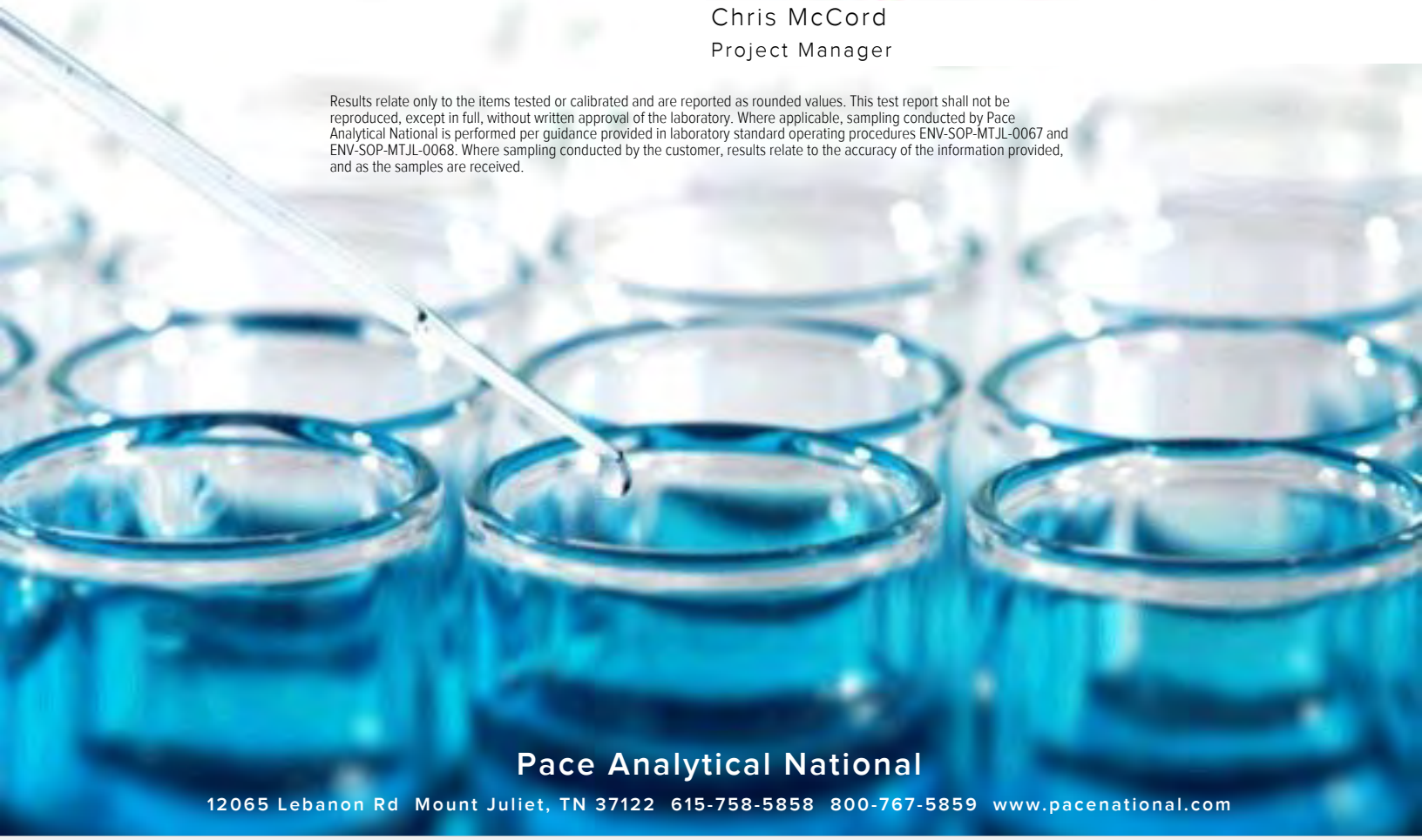
ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1376628
Samples Received:	07/10/2021
Project Number:	212C-MD-01929
Description:	COP EVGSGAU 3308-007
Site:	LEA COUNTY,NEW MEXICO
Report To:	Christian Llull 901 West Wall Suite 100 Midland, TX 79701

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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

TABLE OF CONTENTS

ESW-10 L1376628-01 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:00 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704334	1	07/13/21 11:53	07/13/21 12:03	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 20:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 11:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/13/21 23:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/14/21 23:42	CAG	Mt. Juliet, TN

ESW-10(6') L1376628-02 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:08 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704334	1	07/13/21 11:53	07/13/21 12:03	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 20:34	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 11:41	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 00:00	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 02:41	CAG	Mt. Juliet, TN

SSW-1 L1376628-03 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:16 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704334	1	07/13/21 11:53	07/13/21 12:03	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 20:53	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 12:13	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 00:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 03:08	CAG	Mt. Juliet, TN

SSW-2 L1376628-04 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:24 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704334	1	07/13/21 11:53	07/13/21 12:03	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	20	07/14/21 18:15	07/14/21 21:03	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1705502	1	07/10/21 20:42	07/15/21 08:13	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 00:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 03:49	CAG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	5	07/13/21 20:03	07/16/21 12:11	DMG	Mt. Juliet, TN

SSW-3 L1376628-05 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:32 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704334	1	07/13/21 11:53	07/13/21 12:03	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 21:12	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 13:00	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 00:59	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 01:19	CAG	Mt. Juliet, TN

SSW-2(4') L1376628-06 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:40 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 21:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 13:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 01:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 02:13	CAG	Mt. Juliet, TN

SSW-3(4') L1376628-07 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:48 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 21:31	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 14:06	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 01:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/16/21 11:58	DMG	Mt. Juliet, TN

WSW-1 L1376628-08 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 09:56 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 21:41	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 14:30	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 02:00	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/16/21 11:44	DMG	Mt. Juliet, TN

WSW-2 L1376628-09 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:04 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 21:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704866	1	07/10/21 20:42	07/14/21 15:15	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 02:21	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 00:24	CAG	Mt. Juliet, TN

WSW-3 L1376628-10 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:12 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 22:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704937	1	07/10/21 20:42	07/14/21 18:24	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 02:42	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 01:46	CAG	Mt. Juliet, TN

WSW-4 L1376628-11 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:15 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 22:09	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704937	1	07/10/21 20:42	07/14/21 18:46	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 03:02	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 01:05	CAG	Mt. Juliet, TN

WSW-5 L1376628-12 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:20 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 22:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704937	1	07/10/21 20:42	07/14/21 19:08	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 03:23	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 02:00	CAG	Mt. Juliet, TN

NSW-1 L1376628-13 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:25 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 22:57	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704937	1	07/10/21 20:42	07/14/21 19:30	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 03:43	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 01:32	CAG	Mt. Juliet, TN

NSW-2 L1376628-14 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:30 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 23:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1704937	1	07/10/21 20:42	07/14/21 19:52	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 04:04	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 00:51	CAG	Mt. Juliet, TN

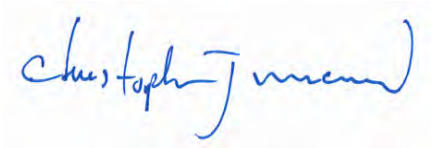
NSW-3 L1376628-15 Solid

Collected by: John Thurston | Collected date/time: 07/09/21 10:35 | Received date/time: 07/10/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1704336	1	07/13/21 10:46	07/13/21 10:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1705406	1	07/14/21 18:15	07/14/21 23:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1706360	1	07/10/21 20:42	07/16/21 08:10	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1704474	1	07/10/21 20:42	07/14/21 04:24	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1703880	1	07/13/21 20:03	07/15/21 00:37	CAG	Mt. Juliet, TN

CASE NARRATIVE

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



Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	07/13/2021 12:03	WG1704334

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	134		10.1	22.1	1	07/14/2021 20:06	WG1705406

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	0.0366	B J	0.0239	0.110	1	07/14/2021 11:10	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*07/14/2021 11:10*	WG1704866

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000563	0.00121	1	07/13/2021 23:40	WG1704474
Toluene	U		0.00157	0.00603	1	07/13/2021 23:40	WG1704474
Ethylbenzene	U		0.000889	0.00301	1	07/13/2021 23:40	WG1704474
Total Xylenes	U		0.00106	0.00784	1	07/13/2021 23:40	WG1704474
(S) Toluene-d8	*107*			*75.0-131*		*07/13/2021 23:40*	WG1704474
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*07/13/2021 23:40*	WG1704474
(S) 1,2-Dichloroethane-d4	*79.8*			*70.0-130*		*07/13/2021 23:40*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U	J3	1.78	4.41	1	07/14/2021 23:42	WG1703880
C28-C36 Motor Oil Range	0.512	J	0.302	4.41	1	07/14/2021 23:42	WG1703880
(S) o-Terphenyl	*52.2*			*18.0-148*		*07/14/2021 23:42*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	07/13/2021 12:03	WG1704334

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	25.8	P1	10.4	22.5	1	07/14/2021 20:34	WG1705406

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	0.0655	B J	0.0244	0.113	1	07/14/2021 11:41	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*		*07/14/2021 11:41*	WG1704866

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		0.000584	0.00125	1	07/14/2021 00:00	WG1704474
Toluene	U		0.00163	0.00626	1	07/14/2021 00:00	WG1704474
Ethylbenzene	U		0.000922	0.00313	1	07/14/2021 00:00	WG1704474
Total Xylenes	U		0.00110	0.00813	1	07/14/2021 00:00	WG1704474
(S) Toluene-d8	*106*			*75.0-131*		*07/14/2021 00:00*	WG1704474
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*07/14/2021 00:00*	WG1704474
(S) 1,2-Dichloroethane-d4	*78.3*			*70.0-130*		*07/14/2021 00:00*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	9.90		1.81	4.50	1	07/15/2021 02:41	WG1703880
C28-C36 Motor Oil Range	13.8		0.308	4.50	1	07/15/2021 02:41	WG1703880
(S) o-Terphenyl	*65.5*			*18.0-148*		*07/15/2021 02:41*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	07/13/2021 12:03	WG1704334

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	51.6		10.5	22.7	1	07/14/2021 20:53	WG1705406

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	0.0523	B J	0.0247	0.114	1	07/14/2021 12:13	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*		*07/14/2021 12:13*	WG1704866

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		0.000595	0.00127	1	07/14/2021 00:20	WG1704474
Toluene	U		0.00166	0.00637	1	07/14/2021 00:20	WG1704474
Ethylbenzene	U		0.000940	0.00319	1	07/14/2021 00:20	WG1704474
Total Xylenes	U		0.00112	0.00829	1	07/14/2021 00:20	WG1704474
(S) Toluene-d8	*106*			*75.0-131*		*07/14/2021 00:20*	WG1704474
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*07/14/2021 00:20*	WG1704474
(S) 1,2-Dichloroethane-d4	*84.5*			*70.0-130*		*07/14/2021 00:20*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	9.04		1.83	4.55	1	07/15/2021 03:08	WG1703880
C28-C36 Motor Oil Range	18.2		0.312	4.55	1	07/15/2021 03:08	WG1703880
(S) o-Terphenyl	*63.1*			*18.0-148*		*07/15/2021 03:08*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	07/13/2021 12:03	WG1704334

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	7680		195	424	20	07/14/2021 21:03	WG1705406

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	0.0517	B J	0.0230	0.106	1	07/15/2021 08:13	WG1705502
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*07/15/2021 08:13*	WG1705502

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	07/14/2021 00:40	WG1704474
Toluene	U		0.00146	0.00560	1	07/14/2021 00:40	WG1704474
Ethylbenzene	U		0.000826	0.00280	1	07/14/2021 00:40	WG1704474
Total Xylenes	U		0.000986	0.00729	1	07/14/2021 00:40	WG1704474
(S) Toluene-d8	*106*			*75.0-131*		*07/14/2021 00:40*	WG1704474
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*07/14/2021 00:40*	WG1704474
(S) 1,2-Dichloroethane-d4	*79.2*			*70.0-130*		*07/14/2021 00:40*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	257		1.71	4.24	1	07/15/2021 03:49	WG1703880
C28-C36 Motor Oil Range	370		1.45	21.2	5	07/16/2021 12:11	WG1703880
(S) o-Terphenyl	*54.6*			*18.0-148*		*07/15/2021 03:49*	WG1703880
(S) o-Terphenyl	*72.0*			*18.0-148*		*07/16/2021 12:11*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	07/13/2021 12:03	WG1704334

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	400		10.4	22.7	1	07/14/2021 21:12	WG1705406

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	0.0802	B J	0.0246	0.113	1	07/14/2021 13:00	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*07/14/2021 13:00*	WG1704866

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000594	0.00127	1	07/14/2021 00:59	WG1704474
Toluene	U		0.00165	0.00636	1	07/14/2021 00:59	WG1704474
Ethylbenzene	U		0.000937	0.00318	1	07/14/2021 00:59	WG1704474
Total Xylenes	U		0.00112	0.00826	1	07/14/2021 00:59	WG1704474
(S) Toluene-d8	*104*			*75.0-131*		*07/14/2021 00:59*	WG1704474
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*		*07/14/2021 00:59*	WG1704474
(S) 1,2-Dichloroethane-d4	*77.6*			*70.0-130*		*07/14/2021 00:59*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.83	4.54	1	07/15/2021 01:19	WG1703880
C28-C36 Motor Oil Range	2.34	J	0.311	4.54	1	07/15/2021 01:19	WG1703880
(S) o-Terphenyl	*56.4*			*18.0-148*		*07/15/2021 01:19*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	07/13/2021 10:53	WG1704336

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		10.3	22.5	1	07/14/2021 21:22	WG1705406

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	0.0674	B J	0.0244	0.112	1	07/14/2021 13:43	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*98.7*			*77.0-120*		*07/14/2021 13:43*	WG1704866

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000583	0.00125	1	07/14/2021 01:20	WG1704474
Toluene	U		0.00162	0.00624	1	07/14/2021 01:20	WG1704474
Ethylbenzene	U		0.000920	0.00312	1	07/14/2021 01:20	WG1704474
Total Xylenes	U		0.00110	0.00812	1	07/14/2021 01:20	WG1704474
(S) Toluene-d8	*105*			*75.0-131*		*07/14/2021 01:20*	WG1704474
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*07/14/2021 01:20*	WG1704474
(S) 1,2-Dichloroethane-d4	*81.9*			*70.0-130*		*07/14/2021 01:20*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.68		1.81	4.50	1	07/15/2021 02:13	WG1703880
C28-C36 Motor Oil Range	13.6		0.308	4.50	1	07/15/2021 02:13	WG1703880
(S) o-Terphenyl	*60.6*			*18.0-148*		*07/15/2021 02:13*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	07/13/2021 10:53	WG1704336

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	61.7		10.0	21.8	1	07/14/2021 21:31	WG1705406

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	0.0578	B J	0.0236	0.109	1	07/14/2021 14:06	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*07/14/2021 14:06*	WG1704866

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000550	0.00118	1	07/14/2021 01:40	WG1704474
Toluene	U		0.00153	0.00589	1	07/14/2021 01:40	WG1704474
Ethylbenzene	U		0.000868	0.00294	1	07/14/2021 01:40	WG1704474
Total Xylenes	U		0.00104	0.00765	1	07/14/2021 01:40	WG1704474
(S) Toluene-d8	*108*			*75.0-131*		*07/14/2021 01:40*	WG1704474
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*07/14/2021 01:40*	WG1704474
(S) 1,2-Dichloroethane-d4	*81.3*			*70.0-130*		*07/14/2021 01:40*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.07		1.75	4.35	1	07/16/2021 11:58	WG1703880
C28-C36 Motor Oil Range	15.9		0.298	4.35	1	07/16/2021 11:58	WG1703880
(S) o-Terphenyl	*56.1*			*18.0-148*		*07/16/2021 11:58*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	07/13/2021 10:53	WG1704336

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		12.0	26.0	1	07/14/2021 21:41	WG1705406

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	0.0730	B J	0.0282	0.130	1	07/14/2021 14:30	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*77.0-120*		*07/14/2021 14:30*	WG1704866

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		0.000748	0.00160	1	07/14/2021 02:00	WG1704474
Toluene	U		0.00208	0.00801	1	07/14/2021 02:00	WG1704474
Ethylbenzene	U		0.00118	0.00401	1	07/14/2021 02:00	WG1704474
Total Xylenes	U		0.00141	0.0104	1	07/14/2021 02:00	WG1704474
(S) Toluene-d8	*114*			*75.0-131*		*07/14/2021 02:00*	WG1704474
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*07/14/2021 02:00*	WG1704474
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*07/14/2021 02:00*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.03	J	2.09	5.20	1	07/16/2021 11:44	WG1703880
C28-C36 Motor Oil Range	15.7		0.356	5.20	1	07/16/2021 11:44	WG1703880
(S) o-Terphenyl	*59.8*			*18.0-148*		*07/16/2021 11:44*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.7		1	07/13/2021 10:53	WG1704336

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		12.2	26.4	1	07/14/2021 21:50	WG1705406

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	0.0744	B J	0.0287	0.132	1	07/14/2021 15:15	WG1704866
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*07/14/2021 15:15*	WG1704866

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		0.000768	0.00164	1	07/14/2021 02:21	WG1704474
Toluene	U		0.00214	0.00822	1	07/14/2021 02:21	WG1704474
Ethylbenzene	U		0.00121	0.00411	1	07/14/2021 02:21	WG1704474
Total Xylenes	U		0.00145	0.0107	1	07/14/2021 02:21	WG1704474
(S) Toluene-d8	*105*			*75.0-131*		*07/14/2021 02:21*	WG1704474
(S) 4-Bromofluorobenzene	*94.9*			*67.0-138*		*07/14/2021 02:21*	WG1704474
(S) 1,2-Dichloroethane-d4	*83.5*			*70.0-130*		*07/14/2021 02:21*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.13	5.28	1	07/15/2021 00:24	WG1703880
C28-C36 Motor Oil Range	0.658	J	0.362	5.28	1	07/15/2021 00:24	WG1703880
(S) o-Terphenyl	*51.8*			*18.0-148*		*07/15/2021 00:24*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	07/13/2021 10:53	WG1704336

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.1	22.0	1	07/14/2021 22:00	WG1705406

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	07/14/2021 18:24	WG1704937
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*77.0-120*		*07/14/2021 18:24*	WG1704937

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		0.000562	0.00120	1	07/14/2021 02:42	WG1704474
Toluene	U		0.00157	0.00602	1	07/14/2021 02:42	WG1704474
Ethylbenzene	U		0.000887	0.00301	1	07/14/2021 02:42	WG1704474
Total Xylenes	U		0.00106	0.00783	1	07/14/2021 02:42	WG1704474
(S) Toluene-d8	*105*			*75.0-131*		*07/14/2021 02:42*	WG1704474
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*07/14/2021 02:42*	WG1704474
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*07/14/2021 02:42*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.55		1.77	4.41	1	07/15/2021 01:46	WG1703880
C28-C36 Motor Oil Range	7.70		0.302	4.41	1	07/15/2021 01:46	WG1703880
(S) o-Terphenyl	*62.9*			*18.0-148*		*07/15/2021 01:46*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	07/13/2021 10:53	WG1704336

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	26.5		11.1	24.0	1	07/14/2021 22:09	WG1705406

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		0.0261	0.120	1	07/14/2021 18:46	WG1704937
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*07/14/2021 18:46*	WG1704937

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		0.000656	0.00140	1	07/14/2021 03:02	WG1704474
Toluene	U		0.00182	0.00702	1	07/14/2021 03:02	WG1704474
Ethylbenzene	U		0.00103	0.00351	1	07/14/2021 03:02	WG1704474
Total Xylenes	U		0.00124	0.00912	1	07/14/2021 03:02	WG1704474
(S) Toluene-d8	*108*			*75.0-131*		*07/14/2021 03:02*	WG1704474
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*07/14/2021 03:02*	WG1704474
(S) 1,2-Dichloroethane-d4	*83.7*			*70.0-130*		*07/14/2021 03:02*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.28	J	1.93	4.80	1	07/15/2021 01:05	WG1703880
C28-C36 Motor Oil Range	3.07	J	0.329	4.80	1	07/15/2021 01:05	WG1703880
(S) o-Terphenyl	*51.7*			*18.0-148*		*07/15/2021 01:05*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	07/13/2021 10:53	WG1704336

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	702	J3	10.9	23.7	1	07/14/2021 22:38	WG1705406

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0257	0.119	1	07/14/2021 19:08	WG1704937
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*07/14/2021 19:08*	WG1704937

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		0.000641	0.00137	1	07/14/2021 03:23	WG1704474
Toluene	U		0.00179	0.00687	1	07/14/2021 03:23	WG1704474
Ethylbenzene	U		0.00101	0.00343	1	07/14/2021 03:23	WG1704474
Total Xylenes	U		0.00121	0.00893	1	07/14/2021 03:23	WG1704474
(S) Toluene-d8	*105*			*75.0-131*		*07/14/2021 03:23*	WG1704474
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*		*07/14/2021 03:23*	WG1704474
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*		*07/14/2021 03:23*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.81	J	1.91	4.75	1	07/15/2021 02:00	WG1703880
C28-C36 Motor Oil Range	10.3		0.325	4.75	1	07/15/2021 02:00	WG1703880
(S) o-Terphenyl	*58.9*			*18.0-148*		*07/15/2021 02:00*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	07/13/2021 10:53	WG1704336

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		9.99	21.7	1	07/14/2021 22:57	WG1705406

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	07/14/2021 19:30	WG1704937
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*77.0-120*		*07/14/2021 19:30*	WG1704937

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000547	0.00117	1	07/14/2021 03:43	WG1704474
Toluene	U		0.00152	0.00586	1	07/14/2021 03:43	WG1704474
Ethylbenzene	U		0.000863	0.00293	1	07/14/2021 03:43	WG1704474
Total Xylenes	U		0.00103	0.00761	1	07/14/2021 03:43	WG1704474
(S) Toluene-d8	*103*			*75.0-131*		*07/14/2021 03:43*	WG1704474
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*07/14/2021 03:43*	WG1704474
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*		*07/14/2021 03:43*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.60		1.75	4.34	1	07/15/2021 01:32	WG1703880
C28-C36 Motor Oil Range	9.01		0.297	4.34	1	07/15/2021 01:32	WG1703880
(S) o-Terphenyl	*71.8*			*18.0-148*		*07/15/2021 01:32*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	07/13/2021 10:53	WG1704336

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.1	21.9	1	07/14/2021 23:06	WG1705406

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		0.0238	0.110	1	07/14/2021 19:52	WG1704937
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*77.0-120*		*07/14/2021 19:52*	WG1704937

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		0.000556	0.00119	1	07/14/2021 04:04	WG1704474
Toluene	U		0.00155	0.00596	1	07/14/2021 04:04	WG1704474
Ethylbenzene	U		0.000878	0.00298	1	07/14/2021 04:04	WG1704474
Total Xylenes	U		0.00105	0.00774	1	07/14/2021 04:04	WG1704474
(S) Toluene-d8	*109*			*75.0-131*		*07/14/2021 04:04*	WG1704474
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*07/14/2021 04:04*	WG1704474
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*07/14/2021 04:04*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.76	4.38	1	07/15/2021 00:51	WG1703880
C28-C36 Motor Oil Range	4.05	J	0.300	4.38	1	07/15/2021 00:51	WG1703880
(S) o-Terphenyl	*61.1*			*18.0-148*		*07/15/2021 00:51*	WG1703880

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	07/13/2021 10:53	WG1704336

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	327		11.4	24.9	1	07/14/2021 23:16	WG1705406

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	0.103	B J	0.0270	0.124	1	07/16/2021 08:10	WG1706360
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*77.0-120*		*07/16/2021 08:10*	WG1706360

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U	J3	0.000696	0.00149	1	07/14/2021 04:24	WG1704474
Toluene	U	J3	0.00194	0.00746	1	07/14/2021 04:24	WG1704474
Ethylbenzene	U	J3	0.00110	0.00373	1	07/14/2021 04:24	WG1704474
Total Xylenes	U	J3	0.00131	0.00969	1	07/14/2021 04:24	WG1704474
(S) Toluene-d8	*107*			*75.0-131*		*07/14/2021 04:24*	WG1704474
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*07/14/2021 04:24*	WG1704474
(S) 1,2-Dichloroethane-d4	*82.9*			*70.0-130*		*07/14/2021 04:24*	WG1704474

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.10	J	2.00	4.98	1	07/15/2021 00:37	WG1703880
C28-C36 Motor Oil Range	4.84	J	0.341	4.98	1	07/15/2021 00:37	WG1703880
(S) o-Terphenyl	*49.2*			*18.0-148*		*07/15/2021 00:37*	WG1703880

Method Blank (MB)

(MB) R3679094-1 07/13/21 12:03

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

L1376628-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1376628-03 07/13/21 12:03 • (DUP) R3679094-3 07/13/21 12:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.9	87.8	1	0.141		10

Laboratory Control Sample (LCS)

(LCS) R3679094-2 07/13/21 12:03

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) R3679128-1 07/13/21 10:53

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

L1376628-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1376628-14 07/13/21 10:53 • (DUP) R3679128-3 07/13/21 10:53

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.3	90.2	1	1.21		10

Laboratory Control Sample (LCS)

(LCS) R3679128-2 07/13/21 10:53

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) R3679799-1 07/14/21 18:25

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

L1376628-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1376628-02 07/14/21 20:34 • (DUP) R3679799-5 07/14/21 20:44

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	25.8	57.5	1	76.2	P1	20

L1376628-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1376628-12 07/14/21 22:38 • (DUP) R3679799-6 07/14/21 22:47

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	702	1290	1	58.9	E J3	20

Laboratory Control Sample (LCS)

(LCS) R3679799-2 07/14/21 18:34

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

L1376256-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1376256-04 07/14/21 19:27 • (MS) R3679799-3 07/14/21 19:37 • (MSD) R3679799-4 07/14/21 19:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	250	882	890	105	106	1	80.0-120			0.828	20

Method Blank (MB)

(MB) R3679505-2 07/14/21 06:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0274	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3679505-1 07/14/21 05:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.78	86.9	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	

L1375785-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1375785-01 07/14/21 06:48 • (MS) R3679505-3 07/14/21 16:50 • (MSD) R3679505-4 07/14/21 17:13

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.56	0.0547	3.31	3.06	58.5	55.1	1.01	10.0-151			7.85	28
(S) a,a,a-Trifluorotoluene(FID)					*99.3*	*99.1*		*77.0-120*				

Method Blank (MB)

(MB) R3680106-2 07/14/21 16:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3680106-1 07/14/21 15:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.55	101	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*99.4*	*77.0-120*	

L1376735-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1376735-09 07/14/21 20:36 • (MS) R3680106-3 07/15/21 01:45 • (MSD) R3680106-4 07/15/21 02:06

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	167	U	204	211	122	127	29.5	10.0-151			3.47	28
(S) a,a,a-Trifluorotoluene(FID)					*116*	*117*		*77.0-120*				

Method Blank (MB)

(MB) R3680123-2 07/15/21 06:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0277	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3680123-1 07/15/21 05:54

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)			*110*	*77.0-120*	

Method Blank (MB)

(MB) R3680328-2 07/15/21 22:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0242	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3680328-1 07/15/21 21:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.47	99.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*111*	*77.0-120*	

Method Blank (MB)

(MB) R3680040-2 07/13/21 23:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*90.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*85.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3680040-1 07/13/21 22:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.142	114	70.0-123	
Ethylbenzene	0.125	0.130	104	74.0-126	
Toluene	0.125	0.141	113	75.0-121	
Xylenes, Total	0.375	0.382	102	72.0-127	
(S) Toluene-d8			*107*	*75.0-131*	
(S) 4-Bromofluorobenzene			*78.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*87.3*	*70.0-130*	

L1376628-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1376628-15 07/14/21 04:24 • (MS) R3680040-3 07/14/21 06:26 • (MSD) R3680040-4 07/14/21 06:46

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	0.185	U	0.0990	0.149	53.5	80.3	1	10.0-149		J3	40.0	37
Ethylbenzene	0.185	U	0.0848	0.143	45.9	77.3	1	10.0-160		J3	50.9	38
Toluene	0.185	U	0.0960	0.146	51.9	79.0	1	10.0-156		J3	41.3	38
Xylenes, Total	0.555	U	0.265	0.407	47.8	73.4	1	10.0-160		J3	42.1	38
(S) Toluene-d8					*104*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*97.6*	*95.9*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*90.1*	*90.6*		*70.0-130*				

Method Blank (MB)

(MB) R3679927-1 07/14/21 23:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*68.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3679927-2 07/14/21 23:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.5	73.0	50.0-150	
(S) o-Terphenyl			*80.9*	*18.0-148*	

L1376628-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1376628-01 07/14/21 23:42 • (MS) R3679927-3 07/14/21 23:56 • (MSD) R3679927-4 07/15/21 00:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	52.7	U	35.0	28.1	66.3	53.9	1	50.0-150		J3	21.7	20
(S) o-Terphenyl					*70.2*	*66.3*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

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.

E117

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:	EVGSGAU 3308-007	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-01929
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 / 606	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	SAMPLE IDENTIFICATION	YEAR: 2021																																	
	L1376628	DATE	TIME																																
-01	ESW-10	7/9/2021	9:00		X				X			1	N	X		X												X							
-02	ESW-10 (6')	7/9/2021	9:08		X				X			1	N	X		X												X							
-03	SSW-1	7/9/2021	9:16		X				X			1	N	X		X												X							
-04	SSW-2	7/9/2021	9:24		X				X			1	N	X		X												X							
-05	SSW-3	7/9/2021	9:32		X				X			1	N	X		X												X							
-06	SSW-2 (4')	7/9/2021	9:40		X				X			1	N	X		X												X							
-07	SSW-3 (4')	7/9/2021	9:48		X				X			1	N	X		X												X							
-08	WSW-1	7/9/2021	9:56		X				X			1	N	X		X												X							
-09	WSW-2	7/9/2021	10:04		X				X			1	N	X		X												X							
-10	WSW-3	7/9/2021	10:12		X				X			1	N	X		X												X							

Relinquished by:	Date: 7/9/21	Time: 1430	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by: Date: 7/10/21 Time: 9:15

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 1.3-.2=1.1 WW AZ

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 #: 511T 4629 8129

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:	EVGSGAU 3308-007	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-01929
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	
LAB USE ONLY		YEAR: 2021																																
71376628																																		
71	WSW-4	7/9/2021	10:15		X				X		1	N	X		X											X								
72	WSW-5	7/9/2021	10:20		X				X		1	N	X		X											X								
73	NSW-1	7/9/2021	10:25		X				X		1	N	X		X											X								
74	NSW-2	7/9/2021	10:30		X				X		1	N	X		X											X								
75	NSW-3	7/9/2021	10:35		X				X		1	N	X		X											X								

Sample Receipt Checklist

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

Relinquished by:	Date:	Time:	Received by:	Date: Time:
	7/9/21	1430		
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:
				7/10/21 9:15

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

1.3-.2=1.1

NM AZ

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 #: _____

ANALYTICAL REPORT

July 23, 2021

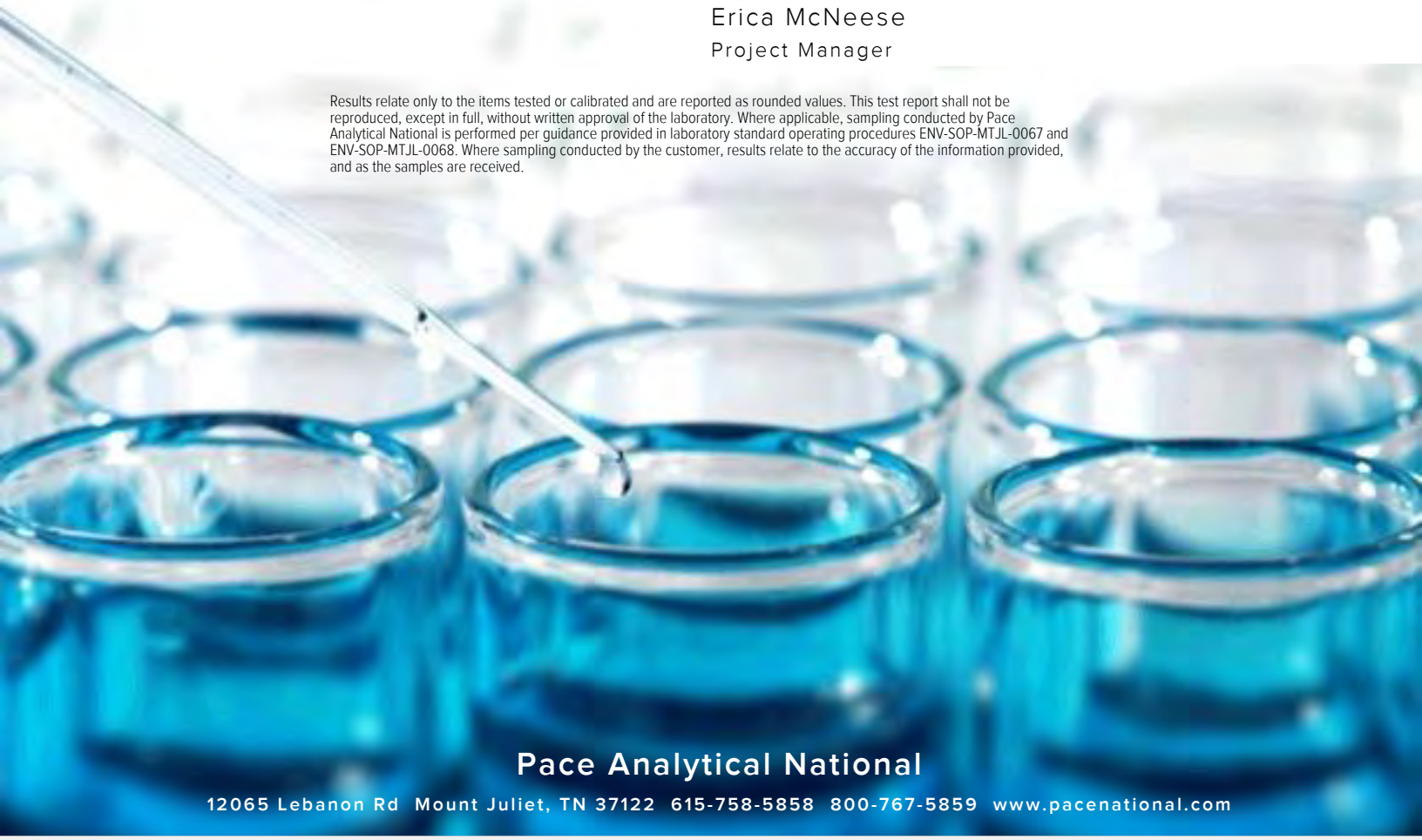
ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1380740
Samples Received:	07/21/2021
Project Number:	212C-MD-01929
Description:	COP EVGSAU 3308-007
Site:	LEA COUNTY,NM
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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NSW-4 L1380740-01 Solid

Collected by: Devin Brown | Collected date/time: 07/14/21 12:30 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 18:46	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 07:10	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 09:12	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 21:04	TJD	Mt. Juliet, TN

NSW-5 L1380740-02 Solid

Collected by: Devin Brown | Collected date/time: 07/14/21 13:00 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 18:56	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 07:34	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 03:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 21:18	TJD	Mt. Juliet, TN

NSW-6 L1380740-03 Solid

Collected by: Devin Brown | Collected date/time: 07/14/21 13:30 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 19:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 07:57	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 03:29	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 21:32	TJD	Mt. Juliet, TN

ESW-1 L1380740-04 Solid

Collected by: Devin Brown | Collected date/time: 07/14/21 14:00 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 19:15	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 08:21	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 03:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 21:45	TJD	Mt. Juliet, TN

ESW-2 L1380740-05 Solid

Collected by: Devin Brown | Collected date/time: 07/14/21 14:30 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 19:24	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 08:45	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 04:07	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 23:37	TJD	Mt. Juliet, TN

ESW-3 L1380740-06 Solid

Collected by: Devin Brown | Collected date/time: 07/14/21 15:00 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 19:34	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 09:08	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 04:26	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 21:59	TJD	Mt. Juliet, TN

ESW-4 L1380740-07 Solid

Collected by: Devin Brown | Collected date/time: 07/15/21 09:30 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 20:02	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 09:32	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 04:45	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 22:13	TJD	Mt. Juliet, TN

ESW-5 L1380740-08 Solid

Collected by: Devin Brown | Collected date/time: 07/15/21 10:00 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 20:12	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 09:56	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 05:04	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 22:27	TJD	Mt. Juliet, TN

ESW-6 L1380740-09 Solid

Collected by: Devin Brown | Collected date/time: 07/15/21 10:30 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 20:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 10:20	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 05:23	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 22:41	TJD	Mt. Juliet, TN

ESW-7 L1380740-10 Solid

Collected by: Devin Brown | Collected date/time: 07/15/21 11:00 | Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709200	1	07/22/21 08:55	07/22/21 09:01	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 20:31	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 10:43	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 05:42	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 22:55	TJD	Mt. Juliet, TN

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

SAMPLE SUMMARY

ESW-8 L1380740-12 Solid

Collected by: Devin Brown
Collected date/time: 07/15/21 12:00
Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709202	1	07/22/21 08:01	07/22/21 08:08	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 20:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 11:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 06:01	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 23:09	TJD	Mt. Juliet, TN

ESW-9 L1380740-13 Solid

Collected by: Devin Brown
Collected date/time: 07/15/21 12:30
Received date/time: 07/21/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1709202	1	07/22/21 08:01	07/22/21 08:08	KDW	Minneapolis, MN
Wet Chemistry by Method 300.0	WG1709263	1	07/22/21 14:43	07/22/21 20:59	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1709656	1	07/21/21 13:17	07/22/21 11:31	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1709614	1	07/21/21 13:17	07/22/21 06:20	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1709184	1	07/21/21 15:36	07/21/21 23:23	TJD	Mt. Juliet, TN

CASE NARRATIVE

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

Erica McNeese
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	07/22/2021 09:01	WG1709200

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	42.0		10.3	22.4	1	07/22/2021 18:46	WG1709263

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	0.0427	B J	0.0243	0.112	1	07/22/2021 07:10	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*07/22/2021 07:10*	WG1709656

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		0.000577	0.00124	1	07/22/2021 09:12	WG1709614
Toluene	U		0.00161	0.00618	1	07/22/2021 09:12	WG1709614
Ethylbenzene	U		0.000911	0.00309	1	07/22/2021 09:12	WG1709614
Total Xylenes	U		0.00109	0.00804	1	07/22/2021 09:12	WG1709614
(S) Toluene-d8	*101*			*75.0-131*		*07/22/2021 09:12*	WG1709614
(S) 4-Bromofluorobenzene	*87.7*			*67.0-138*		*07/22/2021 09:12*	WG1709614
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/22/2021 09:12*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	8.99		1.80	4.47	1	07/21/2021 21:04	WG1709184
C28-C36 Motor Oil Range	20.2		0.306	4.47	1	07/21/2021 21:04	WG1709184
(S) o-Terphenyl	*56.0*			*18.0-148*		*07/21/2021 21:04*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	07/22/2021 09:01	WG1709200

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	221		9.72	21.1	1	07/22/2021 18:56	WG1709263

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	0.0437	B J	0.0229	0.106	1	07/22/2021 07:34	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-120*		*07/22/2021 07:34*	WG1709656

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	07/22/2021 03:10	WG1709614
Toluene	U		0.00145	0.00557	1	07/22/2021 03:10	WG1709614
Ethylbenzene	U		0.000820	0.00278	1	07/22/2021 03:10	WG1709614
Total Xylenes	U		0.000980	0.00724	1	07/22/2021 03:10	WG1709614
(S) Toluene-d8	*100*			*75.0-131*		*07/22/2021 03:10*	WG1709614
(S) 4-Bromofluorobenzene	*86.6*			*67.0-138*		*07/22/2021 03:10*	WG1709614
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/22/2021 03:10*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	11.2		1.70	4.23	1	07/21/2021 21:18	WG1709184
C28-C36 Motor Oil Range	43.1		0.289	4.23	1	07/21/2021 21:18	WG1709184
(S) o-Terphenyl	*56.3*			*18.0-148*		*07/21/2021 21:18*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	07/22/2021 09:01	WG1709200

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	41.3		9.93	21.6	1	07/22/2021 19:05	WG1709263

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	0.0445	B J	0.0234	0.108	1	07/22/2021 07:57	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*07/22/2021 07:57*	WG1709656

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000541	0.00116	1	07/22/2021 03:29	WG1709614
Toluene	U		0.00151	0.00579	1	07/22/2021 03:29	WG1709614
Ethylbenzene	U		0.000854	0.00290	1	07/22/2021 03:29	WG1709614
Total Xylenes	U		0.00102	0.00753	1	07/22/2021 03:29	WG1709614
(S) Toluene-d8	*99.8*			*75.0-131*		*07/22/2021 03:29*	WG1709614
(S) 4-Bromofluorobenzene	*89.4*			*67.0-138*		*07/22/2021 03:29*	WG1709614
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*07/22/2021 03:29*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.62		1.74	4.32	1	07/21/2021 21:32	WG1709184
C28-C36 Motor Oil Range	22.6		0.296	4.32	1	07/21/2021 21:32	WG1709184
(S) o-Terphenyl	*54.0*			*18.0-148*		*07/21/2021 21:32*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	07/22/2021 09:01	WG1709200

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	48.0		10.3	22.4	1	07/22/2021 19:15	WG1709263

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	0.0474	B J	0.0243	0.112	1	07/22/2021 08:21	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*77.0-120*		*07/22/2021 08:21*	WG1709656

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	07/22/2021 03:48	WG1709614
Toluene	U		0.00161	0.00619	1	07/22/2021 03:48	WG1709614
Ethylbenzene	U		0.000912	0.00309	1	07/22/2021 03:48	WG1709614
Total Xylenes	U		0.00109	0.00805	1	07/22/2021 03:48	WG1709614
(S) Toluene-d8	*101*			*75.0-131*		*07/22/2021 03:48*	WG1709614
(S) 4-Bromofluorobenzene	*90.4*			*67.0-138*		*07/22/2021 03:48*	WG1709614
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*07/22/2021 03:48*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.17	J	1.80	4.48	1	07/21/2021 21:45	WG1709184
C28-C36 Motor Oil Range	17.8		0.307	4.48	1	07/21/2021 21:45	WG1709184
(S) o-Terphenyl	*44.8*			*18.0-148*		*07/21/2021 21:45*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	07/22/2021 09:01	WG1709200

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	341		9.95	21.6	1	07/22/2021 19:24	WG1709263

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	0.0477	B J	0.0235	0.108	1	07/22/2021 08:45	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*77.0-120*		*07/22/2021 08:45*	WG1709656

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000544	0.00116	1	07/22/2021 04:07	WG1709614
Toluene	U		0.00151	0.00582	1	07/22/2021 04:07	WG1709614
Ethylbenzene	U		0.000858	0.00291	1	07/22/2021 04:07	WG1709614
Total Xylenes	U		0.00102	0.00756	1	07/22/2021 04:07	WG1709614
(S) Toluene-d8	*98.3*			*75.0-131*		*07/22/2021 04:07*	WG1709614
(S) 4-Bromofluorobenzene	*88.9*			*67.0-138*		*07/22/2021 04:07*	WG1709614
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*07/22/2021 04:07*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	25.2		1.74	4.33	1	07/21/2021 23:37	WG1709184
C28-C36 Motor Oil Range	79.5		0.296	4.33	1	07/21/2021 23:37	WG1709184
(S) o-Terphenyl	*59.7*			*18.0-148*		*07/21/2021 23:37*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	07/22/2021 09:01	WG1709200

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		10.7	23.2	1	07/22/2021 19:34	WG1709263

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	0.0410	B J	0.0252	0.116	1	07/22/2021 09:08	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*77.0-120*		*07/22/2021 09:08*	WG1709656

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		0.000617	0.00132	1	07/22/2021 04:26	WG1709614
Toluene	U		0.00172	0.00661	1	07/22/2021 04:26	WG1709614
Ethylbenzene	U		0.000974	0.00330	1	07/22/2021 04:26	WG1709614
Total Xylenes	U		0.00116	0.00859	1	07/22/2021 04:26	WG1709614
(S) Toluene-d8	*100*			*75.0-131*		*07/22/2021 04:26*	WG1709614
(S) 4-Bromofluorobenzene	*87.5*			*67.0-138*		*07/22/2021 04:26*	WG1709614
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/22/2021 04:26*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.40	J	1.87	4.64	1	07/21/2021 21:59	WG1709184
C28-C36 Motor Oil Range	8.62		0.318	4.64	1	07/21/2021 21:59	WG1709184
(S) o-Terphenyl	*43.8*			*18.0-148*		*07/21/2021 21:59*	WG1709184

LSW-4
Collected date/time: 07/15/21 09:30
L1380740

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	07/22/2021 09:01	WG1709200

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		10.0	21.8	1	07/22/2021 20:02	WG1709263

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	0.0375	B J	0.0237	0.109	1	07/22/2021 09:32	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*07/22/2021 09:32*	WG1709656

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		0.000551	0.00118	1	07/22/2021 04:45	WG1709614
Toluene	U		0.00153	0.00590	1	07/22/2021 04:45	WG1709614
Ethylbenzene	U		0.000870	0.00295	1	07/22/2021 04:45	WG1709614
Total Xylenes	U		0.00104	0.00767	1	07/22/2021 04:45	WG1709614
(S) Toluene-d8	*99.3*			*75.0-131*		*07/22/2021 04:45*	WG1709614
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*		*07/22/2021 04:45*	WG1709614
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*07/22/2021 04:45*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.06	J	1.76	4.36	1	07/21/2021 22:13	WG1709184
C28-C36 Motor Oil Range	14.9		0.299	4.36	1	07/21/2021 22:13	WG1709184
(S) o-Terphenyl	*53.0*			*18.0-148*		*07/21/2021 22:13*	WG1709184

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	07/22/2021 09:01	WG1709200

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.6	22.9	1	07/22/2021 20:12	WG1709263

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	0.0447	B J	0.0249	0.115	1	07/22/2021 09:56	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*07/22/2021 09:56*	WG1709656

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		0.000605	0.00130	1	07/22/2021 05:04	WG1709614
Toluene	U		0.00168	0.00648	1	07/22/2021 05:04	WG1709614
Ethylbenzene	U		0.000955	0.00324	1	07/22/2021 05:04	WG1709614
Total Xylenes	U		0.00114	0.00842	1	07/22/2021 05:04	WG1709614
(S) Toluene-d8	*99.1*			*75.0-131*		*07/22/2021 05:04*	WG1709614
(S) 4-Bromofluorobenzene	*89.2*			*67.0-138*		*07/22/2021 05:04*	WG1709614
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*07/22/2021 05:04*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.50	J	1.85	4.59	1	07/21/2021 22:27	WG1709184
C28-C36 Motor Oil Range	11.1		0.314	4.59	1	07/21/2021 22:27	WG1709184
(S) o-Terphenyl	*50.2*			*18.0-148*		*07/21/2021 22:27*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	07/22/2021 09:01	WG1709200

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	560		10.5	22.8	1	07/22/2021 20:21	WG1709263

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	0.0497	B J	0.0247	0.114	1	07/22/2021 10:20	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*07/22/2021 10:20*	WG1709656

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000598	0.00128	1	07/22/2021 05:23	WG1709614
Toluene	U		0.00166	0.00640	1	07/22/2021 05:23	WG1709614
Ethylbenzene	U		0.000943	0.00320	1	07/22/2021 05:23	WG1709614
Total Xylenes	U		0.00113	0.00832	1	07/22/2021 05:23	WG1709614
(S) Toluene-d8	*103*			*75.0-131*		*07/22/2021 05:23*	WG1709614
(S) 4-Bromofluorobenzene	*88.4*			*67.0-138*		*07/22/2021 05:23*	WG1709614
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*07/22/2021 05:23*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	8.24		1.83	4.56	1	07/21/2021 22:41	WG1709184
C28-C36 Motor Oil Range	29.5		0.312	4.56	1	07/21/2021 22:41	WG1709184
(S) o-Terphenyl	*51.1*			*18.0-148*		*07/21/2021 22:41*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	07/22/2021 09:01	WG1709200

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	559		10.2	22.2	1	07/22/2021 20:31	WG1709263

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	0.0619	B J	0.0241	0.111	1	07/22/2021 10:43	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*77.0-120*		*07/22/2021 10:43*	WG1709656

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		0.000571	0.00122	1	07/22/2021 05:42	WG1709614
Toluene	U		0.00159	0.00611	1	07/22/2021 05:42	WG1709614
Ethylbenzene	U		0.000901	0.00306	1	07/22/2021 05:42	WG1709614
Total Xylenes	U		0.00108	0.00795	1	07/22/2021 05:42	WG1709614
(S) Toluene-d8	*102*			*75.0-131*		*07/22/2021 05:42*	WG1709614
(S) 4-Bromofluorobenzene	*89.4*			*67.0-138*		*07/22/2021 05:42*	WG1709614
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*07/22/2021 05:42*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.16		1.79	4.45	1	07/21/2021 22:55	WG1709184
C28-C36 Motor Oil Range	13.6		0.305	4.45	1	07/21/2021 22:55	WG1709184
(S) o-Terphenyl	*42.7*			*18.0-148*		*07/21/2021 22:55*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	07/22/2021 08:08	WG1709202

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	38.8		10.2	22.2	1	07/22/2021 20:50	WG1709263

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	0.0416	B J	0.0241	0.111	1	07/22/2021 11:07	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*07/22/2021 11:07*	WG1709656

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		0.000571	0.00122	1	07/22/2021 06:01	WG1709614
Toluene	U		0.00159	0.00612	1	07/22/2021 06:01	WG1709614
Ethylbenzene	U		0.000902	0.00306	1	07/22/2021 06:01	WG1709614
Total Xylenes	U		0.00108	0.00795	1	07/22/2021 06:01	WG1709614
(S) Toluene-d8	*100*			*75.0-131*		*07/22/2021 06:01*	WG1709614
(S) 4-Bromofluorobenzene	*86.0*			*67.0-138*		*07/22/2021 06:01*	WG1709614
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*07/22/2021 06:01*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.45	1	07/21/2021 23:09	WG1709184
C28-C36 Motor Oil Range	1.81	J	0.305	4.45	1	07/21/2021 23:09	WG1709184
(S) o-Terphenyl	*42.7*			*18.0-148*		*07/21/2021 23:09*	WG1709184

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	07/22/2021 08:08	WG1709202

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	333		10.5	22.8	1	07/22/2021 20:59	WG1709263

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	0.0498	B J	0.0247	0.114	1	07/22/2021 11:31	WG1709656
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*07/22/2021 11:31*	WG1709656

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000596	0.00128	1	07/22/2021 06:20	WG1709614
Toluene	U		0.00166	0.00638	1	07/22/2021 06:20	WG1709614
Ethylbenzene	U		0.000940	0.00319	1	07/22/2021 06:20	WG1709614
Total Xylenes	U		0.00112	0.00829	1	07/22/2021 06:20	WG1709614
(S) Toluene-d8	*101*			*75.0-131*		*07/22/2021 06:20*	WG1709614
(S) 4-Bromofluorobenzene	*85.6*			*67.0-138*		*07/22/2021 06:20*	WG1709614
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/22/2021 06:20*	WG1709614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.83	4.55	1	07/21/2021 23:23	WG1709184
C28-C36 Motor Oil Range	1.70	J	0.312	4.55	1	07/21/2021 23:23	WG1709184
(S) o-Terphenyl	*39.8*			*18.0-148*		*07/21/2021 23:23*	WG1709184

Method Blank (MB)

(MB) R3683022-1 07/22/21 09:01

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

L1380740-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1380740-10 07/22/21 09:01 • (DUP) R3683022-3 07/22/21 09:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.0	90.0	1	0.0411		10

Laboratory Control Sample (LCS)

(LCS) R3683022-2 07/22/21 09:01

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) R3683019-1 07/22/21 08:08

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

L1379847-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1379847-01 07/22/21 08:08 • (DUP) R3683019-3 07/22/21 08:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.3	87.9	1	0.471		10

Laboratory Control Sample (LCS)

(LCS) R3683019-2 07/22/21 08:08

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) R3683115-1 07/22/21 16:14

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

L1380563-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1380563-02 07/22/21 17:30 • (DUP) R3683115-5 07/22/21 17:40

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1500	1590	5	5.32		20

L1380740-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1380740-10 07/22/21 20:31 • (DUP) R3683115-6 07/22/21 20:40

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	559	544	1	2.59		20

Laboratory Control Sample (LCS)

(LCS) R3683115-2 07/22/21 16:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	197	98.3	90.0-110	

L1380286-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1380286-01 07/22/21 16:42 • (MS) R3683115-3 07/22/21 16:52 • (MSD) R3683115-4 07/22/21 17:01

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	615	1140	1130	106	103	1	80.0-120	E	E	1.19	20

Method Blank (MB)

(MB) R3683140-3 07/22/21 06:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0266	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*

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

(LCS) R3683140-1 07/22/21 05:11 • (LCSD) R3683140-2 07/22/21 05:35

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	5.50	5.72	100	104	72.0-127			3.92	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*105*	*77.0-120*				

L1379961-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1379961-11 07/22/21 11:55 • (MS) R3683140-4 07/22/21 15:03 • (MSD) R3683140-5 07/22/21 15:27

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	223	2.51	250	230	111	102	40.5	10.0-151			8.33	28
(S) a,a,a-Trifluorotoluene(FID)					*114*	*114*		*77.0-120*				

Method Blank (MB)

(MB) R3682838-2 07/22/21 02:51

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	*88.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3682838-1 07/22/21 01:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.115	92.0	70.0-123	
Ethylbenzene	0.125	0.107	85.6	74.0-126	
Toluene	0.125	0.115	92.0	75.0-121	
Xylenes, Total	0.375	0.329	87.7	72.0-127	
(S) Toluene-d8			*97.8*	*75.0-131*	
(S) 4-Bromofluorobenzene			*91.0*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

L1380664-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1380664-01 07/22/21 07:55 • (MS) R3682838-3 07/22/21 09:31 • (MSD) R3682838-4 07/22/21 09:50

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	0.125	U	0.124	0.125	99.2	100	1	10.0-149			0.803	37
Ethylbenzene	0.125	U	0.112	0.107	89.6	85.6	1	10.0-160			4.57	38
Toluene	0.125	U	0.116	0.118	92.8	94.4	1	10.0-156			1.71	38
Xylenes, Total	0.375	U	0.340	0.350	90.7	93.3	1	10.0-160			2.90	38
(S) Toluene-d8					*100*	*102*		*75.0-131*				
(S) 4-Bromofluorobenzene					*89.1*	*89.2*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*114*	*109*		*70.0-130*				

Method Blank (MB)

(MB) R3682453-1 07/21/21 20:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*47.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3682453-2 07/21/21 20:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	30.1	60.2	50.0-150	
(S) o-Terphenyl			*61.7*	*18.0-148*	

L1376779-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1376779-05 07/21/21 23:51 • (MS) R3682453-3 07/22/21 00:04 • (MSD) R3682453-4 07/22/21 00:18

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	2.89	33.9	34.7	62.3	65.2	1	50.0-150			2.33	20
(S) o-Terphenyl					*51.7*	*51.5*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
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.

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 2

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips Company

Site Manager: Christian Llull

Project Name: EVGSAU 3308-007

Project Location: (county, state) Lea County, NM

Project #: 212C-MD-01929

Invoice to: Accounts Payable, 901 W Wall St, Ste. 100, Midland Tx

Receiving Laboratory: Cone ~~Inc~~ Analytical

Sampler Signature: Devin Brown

Comments: Hold "ESW-7(5-ft)" unless "ESW-7" exceeds threshold limits.

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX	Chloride 300.0	TPH 8015M	Hold
01380740															
-1	NSW-4	7.14.21	1230		✓			✓		1		X	X	X	
-2	NSW-5		1300		✓			✓		1					
-3	NSW-6		1330		✓			✓		1					
-4	ESW-1		1400		✓			✓		1					
-5	ESW-2		1430		✓			✓		1					
-6	ESW-3		1500		✓			✓		1					
-7	ESW-4	7.15.21	0730		✓			✓		1					
-8	ESW-5		1000		✓			✓		1					
-9	ESW-6		1030		✓			✓		1					
-10	ESW-7		1100		✓			✓		1					

ANALYSIS REQUEST (Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Devin Brown	7.20.21	14:00		7-20-21	14:00
	7-20-21	16:00		7-2021	16:00
				7/21/21	8:00

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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A6 OT

Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips Company

Site Manager: Christian Llull

Project Name: EVGSAU 3308-007

Project Location: (county, state) Lea County, NM

Project #: 1126-KD-01929

Invoice to: See pg. 1

Receiving Laboratory: Pace Analytical

Sampler Signature: Devin Brown

Comments: See pg. 1

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX	Chlorides 300.0	TPH 8015M	Hold
001	LIJ80740														
-01	ESW-7' (5-ft)	7.15.21	1130		✓					1		X	X	X	X
-02	ESW-8	↓	1200		↓					↓		↓	↓	↓	
-03	ESW-9	↓	1230		↓					↓					

Sample Receipt Checklist

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

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	7.20.21	14:00		7.20.21	14:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	7.20.21	16:00	SwA	7-20-21	16:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
				7/21/21	8:06

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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AGH

ANALYTICAL REPORT

August 02, 2021

ConocoPhillips - Tetra Tech

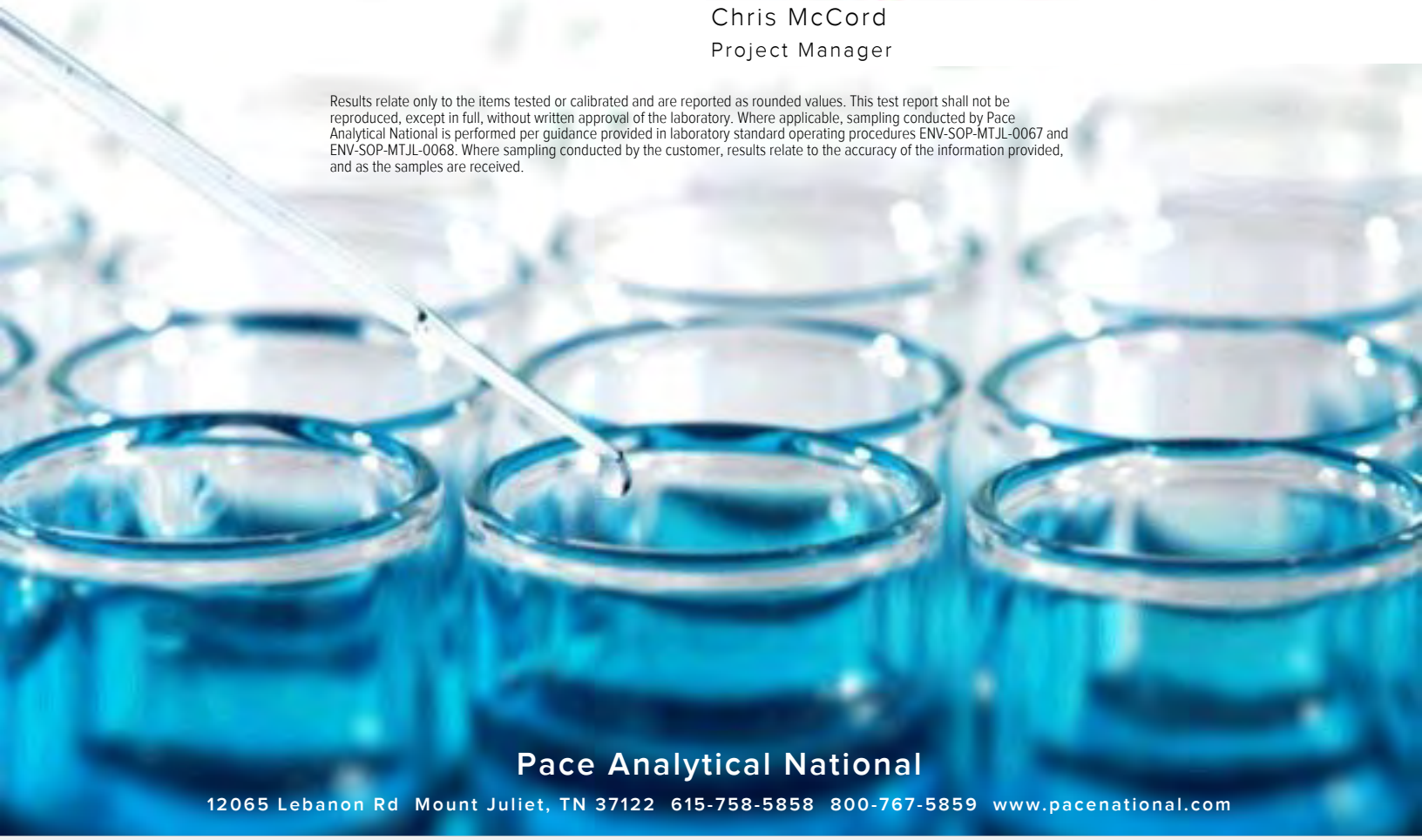
Sample Delivery Group:	L1383331
Samples Received:	07/28/2021
Project Number:	212C-MD-01929
Description:	COP EVGSAU 3308-007

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

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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

TABLE OF CONTENTS

FS-2 L1383331-01 Solid

Collected by: Devin Brown | Collected date/time: 07/21/21 13:45 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714963	1	08/01/21 12:34	08/01/21 12:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	1	08/02/21 00:09	08/02/21 04:21	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1714126	1	07/28/21 10:52	07/29/21 17:42	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713268	1	07/28/21 10:52	07/28/21 16:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 09:57	CAG	Mt. Juliet, TN

FS-4 L1383331-02 Solid

Collected by: Devin Brown | Collected date/time: 07/21/21 14:00 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	5	08/02/21 00:09	08/02/21 04:31	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 01:18	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713268	1	07/28/21 10:52	07/28/21 16:29	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 10:11	CAG	Mt. Juliet, TN

FS-6 L1383331-03 Solid

Collected by: Devin Brown | Collected date/time: 07/21/21 14:15 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	5	08/02/21 00:09	08/02/21 04:41	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 01:40	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713268	1	07/28/21 10:52	07/28/21 16:50	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 12:28	CAG	Mt. Juliet, TN

FS-8 L1383331-04 Solid

Collected by: Devin Brown | Collected date/time: 07/21/21 14:30 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	5	08/02/21 00:09	08/02/21 04:51	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 02:02	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713268	1	07/28/21 10:52	07/28/21 17:10	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 12:01	CAG	Mt. Juliet, TN

FS-10 L1383331-05 Solid

Collected by: Devin Brown | Collected date/time: 07/21/21 15:00 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	5	08/02/21 00:09	08/02/21 05:21	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 02:24	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 16:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 10:25	CAG	Mt. Juliet, TN

FS-12 L1383331-06 Solid

Collected by: Devin Brown | Collected date/time: 07/21/21 15:15 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	5	08/02/21 00:09	08/02/21 05:31	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 02:46	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 16:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 10:38	CAG	Mt. Juliet, TN

FS-14 L1383331-07 Solid

Collected by: Devin Brown | Collected date/time: 07/20/21 13:30 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	1	08/02/21 00:09	08/02/21 05:41	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1714126	1	07/28/21 10:52	07/29/21 18:04	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 16:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 12:14	CAG	Mt. Juliet, TN

FS-22 L1383331-08 Solid

Collected by: Devin Brown | Collected date/time: 07/22/21 13:10 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	1	08/02/21 00:09	08/02/21 05:51	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 03:30	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 16:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 10:52	CAG	Mt. Juliet, TN

FS-23 L1383331-09 Solid

Collected by: Devin Brown | Collected date/time: 07/22/21 13:30 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	1	08/02/21 00:09	08/02/21 06:31	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 03:52	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 17:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 11:06	CAG	Mt. Juliet, TN

ESW-2 (2') L1383331-10 Solid

Collected by: Devin Brown | Collected date/time: 07/26/21 10:50 | Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	1	08/02/21 00:09	08/02/21 06:41	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 04:14	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 17:35	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 13:23	CAG	Mt. Juliet, TN

SAMPLE SUMMARY

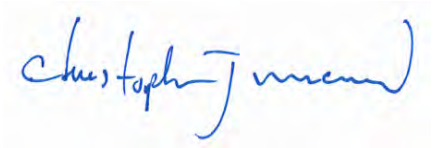
WSW-5 (2') L1383331-11 Solid

Collected by: Devin Brown
Collected date/time: 07/26/21 13:45
Received date/time: 07/28/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1714964	1	08/01/21 12:23	08/01/21 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1713774	1	08/02/21 00:09	08/02/21 06:51	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1713428	1	07/28/21 10:52	07/29/21 04:36	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1713138	1	07/28/21 10:52	07/28/21 17:54	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1715425	1	08/01/21 16:03	08/02/21 13:09	CAG	Mt. Juliet, TN

CASE NARRATIVE

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



Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	08/01/2021 12:39	WG1714963

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	647		10.0	21.8	1	08/02/2021 04:21	WG1713774

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	07/29/2021 17:42	WG1714126
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*07/29/2021 17:42*	WG1714126

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000550	0.00118	1	07/28/2021 16:08	WG1713268
Toluene	U		0.00153	0.00589	1	07/28/2021 16:08	WG1713268
Ethylbenzene	U		0.000868	0.00294	1	07/28/2021 16:08	WG1713268
Total Xylenes	U		0.00104	0.00766	1	07/28/2021 16:08	WG1713268
(S) Toluene-d8	*101*			*75.0-131*		*07/28/2021 16:08*	WG1713268
(S) 4-Bromofluorobenzene	*84.3*			*67.0-138*		*07/28/2021 16:08*	WG1713268
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*07/28/2021 16:08*	WG1713268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.36	1	08/02/2021 09:57	WG1715425
C28-C36 Motor Oil Range	1.89	J	0.298	4.36	1	08/02/2021 09:57	WG1715425
(S) o-Terphenyl	*58.8*			*18.0-148*		*08/02/2021 09:57*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	08/01/2021 12:30	WG1714964

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	1950		53.0	115	5	08/02/2021 04:31	WG1713774

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		0.0250	0.115	1	07/29/2021 01:18	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*92.4*			*77.0-120*		*07/29/2021 01:18*	WG1713428

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		0.000609	0.00130	1	07/28/2021 16:29	WG1713268
Toluene	U		0.00169	0.00652	1	07/28/2021 16:29	WG1713268
Ethylbenzene	U		0.000960	0.00326	1	07/28/2021 16:29	WG1713268
Total Xylenes	U		0.00115	0.00847	1	07/28/2021 16:29	WG1713268
(S) Toluene-d8	*101*			*75.0-131*		*07/28/2021 16:29*	WG1713268
(S) 4-Bromofluorobenzene	*84.1*			*67.0-138*		*07/28/2021 16:29*	WG1713268
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*07/28/2021 16:29*	WG1713268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.85	4.60	1	08/02/2021 10:11	WG1715425
C28-C36 Motor Oil Range	0.452	J	0.315	4.60	1	08/02/2021 10:11	WG1715425
(S) o-Terphenyl	*55.4*			*18.0-148*		*08/02/2021 10:11*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	08/01/2021 12:30	WG1714964

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	1060		49.4	107	5	08/02/2021 04:41	WG1713774

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	07/29/2021 01:40	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*		*07/29/2021 01:40*	WG1713428

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	07/28/2021 16:50	WG1713268
Toluene	U		0.00149	0.00574	1	07/28/2021 16:50	WG1713268
Ethylbenzene	U		0.000847	0.00287	1	07/28/2021 16:50	WG1713268
Total Xylenes	U		0.00101	0.00747	1	07/28/2021 16:50	WG1713268
(S) Toluene-d8	*101*			*75.0-131*		*07/28/2021 16:50*	WG1713268
(S) 4-Bromofluorobenzene	*84.1*			*67.0-138*		*07/28/2021 16:50*	WG1713268
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*07/28/2021 16:50*	WG1713268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	24.7		1.73	4.30	1	08/02/2021 12:28	WG1715425
C28-C36 Motor Oil Range	25.4		0.294	4.30	1	08/02/2021 12:28	WG1715425
(S) o-Terphenyl	*53.8*			*18.0-148*		*08/02/2021 12:28*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	08/01/2021 12:30	WG1714964

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	1510		51.1	111	5	08/02/2021 04:51	WG1713774

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	07/29/2021 02:02	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*77.0-120*		*07/29/2021 02:02*	WG1713428

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		0.000571	0.00122	1	07/28/2021 17:10	WG1713268
Toluene	U		0.00159	0.00611	1	07/28/2021 17:10	WG1713268
Ethylbenzene	U		0.000900	0.00305	1	07/28/2021 17:10	WG1713268
Total Xylenes	U		0.00108	0.00794	1	07/28/2021 17:10	WG1713268
(S) Toluene-d8	*100*			*75.0-131*		*07/28/2021 17:10*	WG1713268
(S) 4-Bromofluorobenzene	*83.6*			*67.0-138*		*07/28/2021 17:10*	WG1713268
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*07/28/2021 17:10*	WG1713268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	15.1		1.79	4.44	1	08/02/2021 12:01	WG1715425
C28-C36 Motor Oil Range	13.4		0.304	4.44	1	08/02/2021 12:01	WG1715425
(S) o-Terphenyl	*56.3*			*18.0-148*		*08/02/2021 12:01*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	08/01/2021 12:30	WG1714964

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	1120		55.5	121	5	08/02/2021 05:21	WG1713774

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		0.0262	0.121	1	07/29/2021 02:24	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*90.9*			*77.0-120*		*07/29/2021 02:24*	WG1713428

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		0.000661	0.00141	1	07/28/2021 16:00	WG1713138
Toluene	U		0.00184	0.00707	1	07/28/2021 16:00	WG1713138
Ethylbenzene	U		0.00104	0.00354	1	07/28/2021 16:00	WG1713138
Total Xylenes	U		0.00124	0.00919	1	07/28/2021 16:00	WG1713138
(S) Toluene-d8	*101*			*75.0-131*		*07/28/2021 16:00*	WG1713138
(S) 4-Bromofluorobenzene	*87.8*			*67.0-138*		*07/28/2021 16:00*	WG1713138
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*07/28/2021 16:00*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.16	J	1.94	4.83	1	08/02/2021 10:25	WG1715425
C28-C36 Motor Oil Range	1.69	J	0.331	4.83	1	08/02/2021 10:25	WG1715425
(S) o-Terphenyl	*58.5*			*18.0-148*		*08/02/2021 10:25*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	08/01/2021 12:30	WG1714964

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	2090		51.0	111	5	08/02/2021 05:31	WG1713774

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	07/29/2021 02:46	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*07/29/2021 02:46*	WG1713428

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		0.000568	0.00122	1	07/28/2021 16:19	WG1713138
Toluene	U		0.00158	0.00609	1	07/28/2021 16:19	WG1713138
Ethylbenzene	U		0.000897	0.00304	1	07/28/2021 16:19	WG1713138
Total Xylenes	U		0.00107	0.00791	1	07/28/2021 16:19	WG1713138
(S) Toluene-d8	*103*			*75.0-131*		*07/28/2021 16:19*	WG1713138
(S) 4-Bromofluorobenzene	*88.7*			*67.0-138*		*07/28/2021 16:19*	WG1713138
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*07/28/2021 16:19*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.78	4.43	1	08/02/2021 10:38	WG1715425
C28-C36 Motor Oil Range	0.657	J	0.304	4.43	1	08/02/2021 10:38	WG1715425
(S) o-Terphenyl	*55.9*			*18.0-148*		*08/02/2021 10:38*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.5		1	08/01/2021 12:30	WG1714964

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	85.0		11.9	25.8	1	08/02/2021 05:41	WG1713774

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		0.0280	0.129	1	07/29/2021 18:04	WG1714126
(S) a,a,a-Trifluorotoluene(FID)	*86.2*			*77.0-120*		*07/29/2021 18:04*	WG1714126

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		0.000739	0.00158	1	07/28/2021 16:38	WG1713138
Toluene	U		0.00206	0.00791	1	07/28/2021 16:38	WG1713138
Ethylbenzene	U		0.00117	0.00396	1	07/28/2021 16:38	WG1713138
Total Xylenes	U		0.00139	0.0103	1	07/28/2021 16:38	WG1713138
(S) Toluene-d8	*103*			*75.0-131*		*07/28/2021 16:38*	WG1713138
(S) 4-Bromofluorobenzene	*88.6*			*67.0-138*		*07/28/2021 16:38*	WG1713138
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*07/28/2021 16:38*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	197		2.08	5.16	1	08/02/2021 12:14	WG1715425
C28-C36 Motor Oil Range	113		0.354	5.16	1	08/02/2021 12:14	WG1715425
(S) o-Terphenyl	*36.7*			*18.0-148*		*08/02/2021 12:14*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	08/01/2021 12:30	WG1714964

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	412		10.1	22.0	1	08/02/2021 05:51	WG1713774

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		0.0238	0.110	1	07/29/2021 03:30	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*91.6*			*77.0-120*		*07/29/2021 03:30*	WG1713428

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	07/28/2021 16:57	WG1713138
Toluene	U		0.00156	0.00599	1	07/28/2021 16:57	WG1713138
Ethylbenzene	U		0.000883	0.00299	1	07/28/2021 16:57	WG1713138
Total Xylenes	U		0.00105	0.00779	1	07/28/2021 16:57	WG1713138
(S) Toluene-d8	*100*			*75.0-131*		*07/28/2021 16:57*	WG1713138
(S) 4-Bromofluorobenzene	*88.7*			*67.0-138*		*07/28/2021 16:57*	WG1713138
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*07/28/2021 16:57*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.77	4.40	1	08/02/2021 10:52	WG1715425
C28-C36 Motor Oil Range	0.889	J	0.301	4.40	1	08/02/2021 10:52	WG1715425
(S) o-Terphenyl	*61.0*			*18.0-148*		*08/02/2021 10:52*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	08/01/2021 12:30	WG1714964

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	769		9.68	21.0	1	08/02/2021 06:31	WG1713774

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	07/29/2021 03:52	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*07/29/2021 03:52*	WG1713428

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	07/28/2021 17:16	WG1713138
Toluene	U		0.00143	0.00552	1	07/28/2021 17:16	WG1713138
Ethylbenzene	U		0.000813	0.00276	1	07/28/2021 17:16	WG1713138
Total Xylenes	U		0.000971	0.00717	1	07/28/2021 17:16	WG1713138
(S) Toluene-d8	*102*			*75.0-131*		*07/28/2021 17:16*	WG1713138
(S) 4-Bromofluorobenzene	*88.8*			*67.0-138*		*07/28/2021 17:16*	WG1713138
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*07/28/2021 17:16*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.69	4.21	1	08/02/2021 11:06	WG1715425
C28-C36 Motor Oil Range	U		0.288	4.21	1	08/02/2021 11:06	WG1715425
(S) o-Terphenyl	*64.8*			*18.0-148*		*08/02/2021 11:06*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	08/01/2021 12:30	WG1714964

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	351		11.2	24.4	1	08/02/2021 06:41	WG1713774

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0265	0.122	1	07/29/2021 04:14	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*07/29/2021 04:14*	WG1713428

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		0.000675	0.00144	1	07/28/2021 17:35	WG1713138
Toluene	U		0.00188	0.00722	1	07/28/2021 17:35	WG1713138
Ethylbenzene	U		0.00106	0.00361	1	07/28/2021 17:35	WG1713138
Total Xylenes	U		0.00127	0.00939	1	07/28/2021 17:35	WG1713138
(S) Toluene-d8	*102*			*75.0-131*		*07/28/2021 17:35*	WG1713138
(S) 4-Bromofluorobenzene	*89.1*			*67.0-138*		*07/28/2021 17:35*	WG1713138
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*07/28/2021 17:35*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	63.9		1.97	4.89	1	08/02/2021 13:23	WG1715425
C28-C36 Motor Oil Range	153		0.335	4.89	1	08/02/2021 13:23	WG1715425
(S) o-Terphenyl	*66.6*			*18.0-148*		*08/02/2021 13:23*	WG1715425

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	08/01/2021 12:30	WG1714964

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	512		9.88	21.5	1	08/02/2021 06:51	WG1713774

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	07/29/2021 04:36	WG1713428
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*77.0-120*		*07/29/2021 04:36*	WG1713428

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	07/28/2021 17:54	WG1713138
Toluene	U		0.00149	0.00574	1	07/28/2021 17:54	WG1713138
Ethylbenzene	U		0.000846	0.00287	1	07/28/2021 17:54	WG1713138
Total Xylenes	U		0.00101	0.00746	1	07/28/2021 17:54	WG1713138
(S) Toluene-d8	*102*			*75.0-131*		*07/28/2021 17:54*	WG1713138
(S) 4-Bromofluorobenzene	*87.5*			*67.0-138*		*07/28/2021 17:54*	WG1713138
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*07/28/2021 17:54*	WG1713138

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.24	J	1.73	4.30	1	08/02/2021 13:09	WG1715425
C28-C36 Motor Oil Range	2.55	J	0.294	4.30	1	08/02/2021 13:09	WG1715425
(S) o-Terphenyl	*65.3*			*18.0-148*		*08/02/2021 13:09*	WG1715425

Method Blank (MB)

(MB) R3686788-1 08/01/21 12:39

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

L1383331-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1383331-01 08/01/21 12:39 • (DUP) R3686788-3 08/01/21 12:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	90.6	1	1.32		10

Laboratory Control Sample (LCS)

(LCS) R3686788-2 08/01/21 12:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	85.0-115	

Method Blank (MB)

(MB) R3686786-1 08/01/21 12:30

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1383331-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1383331-11 08/01/21 12:30 • (DUP) R3686786-3 08/01/21 12:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.1	93.9	1	0.792		10

Laboratory Control Sample (LCS)

(LCS) R3686786-2 08/01/21 12:30

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	85.0-115	

Method Blank (MB)

(MB) R3686521-1 08/02/21 03:12

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

L1383331-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1383331-08 08/02/21 05:51 • (DUP) R3686521-3 08/02/21 06:01

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	412	390	1	5.38		20

L1384614-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1384614-09 08/02/21 07:20 • (DUP) R3686521-6 08/02/21 07:30

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	174	152	5	13.6		20

Laboratory Control Sample (LCS)

(LCS) R3686521-2 08/02/21 03:22

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

L1383331-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1383331-08 08/02/21 05:51 • (MS) R3686521-4 08/02/21 06:11 • (MSD) R3686521-5 08/02/21 06:21

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 %
Chloride	549	412	924	880	93.1	85.1	1	80.0-120			4.87	20

Method Blank (MB)

(MB) R3685414-2 07/28/21 20:44

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)	*94.5*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3685414-1 07/28/21 20:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.10	111	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*119*	*77.0-120*	

L1382390-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1382390-15 07/28/21 21:37 • (MS) R3685414-3 07/29/21 06:41 • (MSD) R3685414-4 07/29/21 07:03

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	117	4.12	113	107	93.1	87.9	25	10.0-151			5.45	28
(S) a,a,a-Trifluorotoluene(FID)					*112*	*112*		*77.0-120*				

Method Blank (MB)

(MB) R3685984-2 07/29/21 10:22

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)	*94.5*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3685984-1 07/29/21 09:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.02	109	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*119*	*77.0-120*	

Method Blank (MB)

(MB) R3685469-2 07/28/21 10:37

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	*96.0*			*75.0-131*
(S) 4-Bromofluorobenzene	*90.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3685469-1 07/28/21 09:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.136	109	70.0-123	
Ethylbenzene	0.125	0.121	96.8	74.0-126	
Toluene	0.125	0.125	100	75.0-121	
Xylenes, Total	0.375	0.369	98.4	72.0-127	
(S) Toluene-d8			*95.1*	*75.0-131*	
(S) 4-Bromofluorobenzene			*85.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Method Blank (MB)

(MB) R3686320-3 07/28/21 11:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*97.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*79.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*

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

(LCS) R3686320-1 07/28/21 10:14 • (LCSD) R3686320-2 07/28/21 10:35

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	0.126	0.124	101	99.2	70.0-123			1.60	20
Ethylbenzene	0.125	0.115	0.114	92.0	91.2	74.0-126			0.873	20
Toluene	0.125	0.123	0.118	98.4	94.4	75.0-121			4.15	20
Xylenes, Total	0.375	0.337	0.326	89.9	86.9	72.0-127			3.32	20
(S) Toluene-d8				*98.6*	*95.1*	*75.0-131*				
(S) 4-Bromofluorobenzene				*83.4*	*80.0*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.7*	*98.2*	*70.0-130*				

Method Blank (MB)

(MB) R3686745-1 08/02/21 08:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*69.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3686745-2 08/02/21 08:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	42.0	84.0	50.0-150	
(S) o-Terphenyl			*55.6*	*18.0-148*	

L1382646-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1382646-01 08/02/21 09:03 • (MS) R3686745-3 08/02/21 09:16 • (MSD) R3686745-4 08/02/21 09:30

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	49.0	U	38.9	50.3	63.9	82.8	1	50.0-150		J3	25.6	20
(S) o-Terphenyl					*39.8*	*55.1*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.

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

D240

Page 1 of 2

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

L138 3331

Client Name:	ConocoPhillips Company	Site Manager:	Christian Llull
Project Name:	EVSGAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold	
	FS-2	7/21/2021	1345		X				X		1		X	X	X		-01
	FS-4	7/21/2021	1400		X				X		1		X	X	X		-02
	FS-6	7/21/2021	1415		X				X		1		X	X	X		-03
	FS-8	7/21/2021	1430		X				X		1		X	X	X		-04
	FS-10	7/21/2021	1500		X				X		1		X	X	X		-05
	FS-12	7/21/2021	1515		X				X		1		X	X	X		-06
	FS-14	7/20/2021	1330		X				X		1		X	X	X		-07
	FS-22	7/22/2021	1310		X				X		1		X	X	X		-08
	FS-23	7/22/2021	1330		X				X		1		X	X	X		-09
	ESW-2' (2-FT)	7/26/2021	1050		X				X		1		X	X	X		-10

Relinquished by:	Date: 7-27-21 Time: 13:00	Received by:	Date: 7-27-21 Time: 13:00
Relinquished by:	Date: 7-27-21 Time: 15:00	Received by:	Date: 7-27-21 Time: 15:00
Relinquished by:	Date: Time:	Received by: R. Holder	Date: 7/28/21 Time: 8:00

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

OK

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

3.8+.2=4.0 x 7.8

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

900 W Wall St, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

L1383331

Client Name:	ConocoPhillips Company	**Site Manager:**	Christian Llull
Project Name:	EVSGAU 3308-007 Flowline Release		
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-01929
Invoice to:	Tetra Tech - Accounts Payable; 901 W Wall St., Ste. 100, Midland, TX		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Brown
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2018 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	Chloride 300 Method	TPH 8015M (GRO - DRO - ORO)	Hold
	WSW-5' (2-FT)	7/26/2021	1345		X				X			1		X	X	X	

Sample Receipt Checklist

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

Relinquished by:	Date: 7-27-21	Time: 13:00	Received by: Date: 7-27-21 Time: 13:00
Relinquished by:	Date: 7-27-21	Time: 15:00	Received by: SwA Date: 7-27-21 Time: 15:00
Relinquished by:	Date:	Time:	Received by: R. Holden Date: 7/28/21 Time: 8:00

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

3.8+.2=4.0 ATB

Erica McNeese

From: Dickerson, Ryan <Ryan.Dickerson@tetratech.com>
Sent: Thursday, July 29, 2021 9:50 AM
To: Chris McCord
Cc: Erica McNeese
Subject: L1383331 COC edits

Chris,
Can we get the following changes made to the sample IDs on L183331:
Change ESW-2' (2-FT) to ESW-2 (2')
Change WSW-5' (2-FT) to WSW-5 (2')

Thanks,

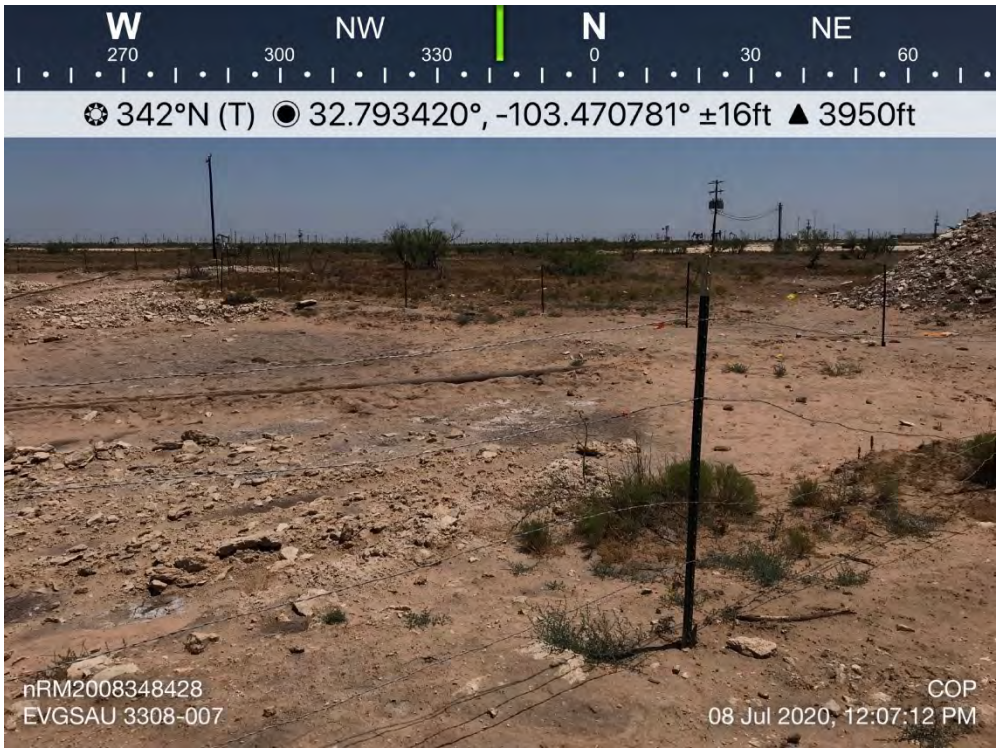
Ryan

Ryan Dickerson | Senior Staff Geologist
Direct **+1 (512) 338-2889** | Main **+1 (512) 338-1667** | Cell **+1 (512) 217-7254** | ryan.dickerson@tetratech.com

Tetra Tech | *Leading with Science®* | OGA
8911 N. Capital of TX Hwy. | Bldg. 2, Ste 2310 | Austin, TX 78759 | tetratech.com

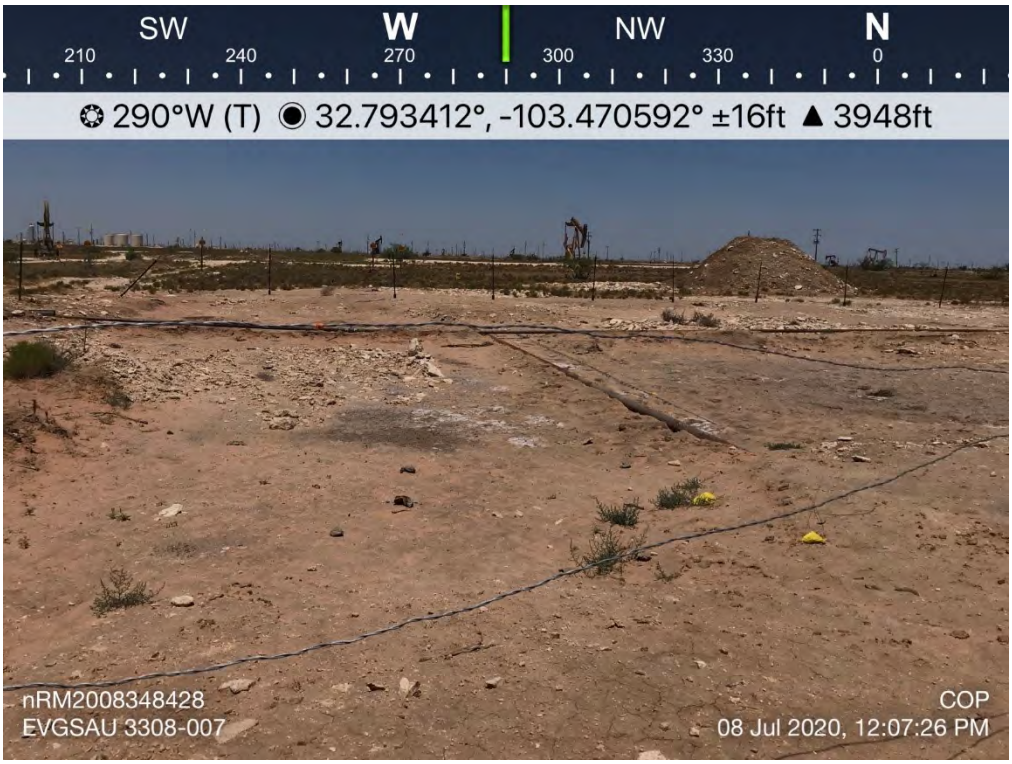
APPENDIX D
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View northwest. Central portion of the release and initial excavation.	1
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View north northwest. Eastern flank of the release extent.	2
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/8/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View south southwest. Northern portion of release extent.	3
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/8/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View west northwest. Southern half of release extent and excavated area.	4
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/8/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View southwest. 4' excavation.	5
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/12/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View southwest. 4' excavation.	6
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/12/2021

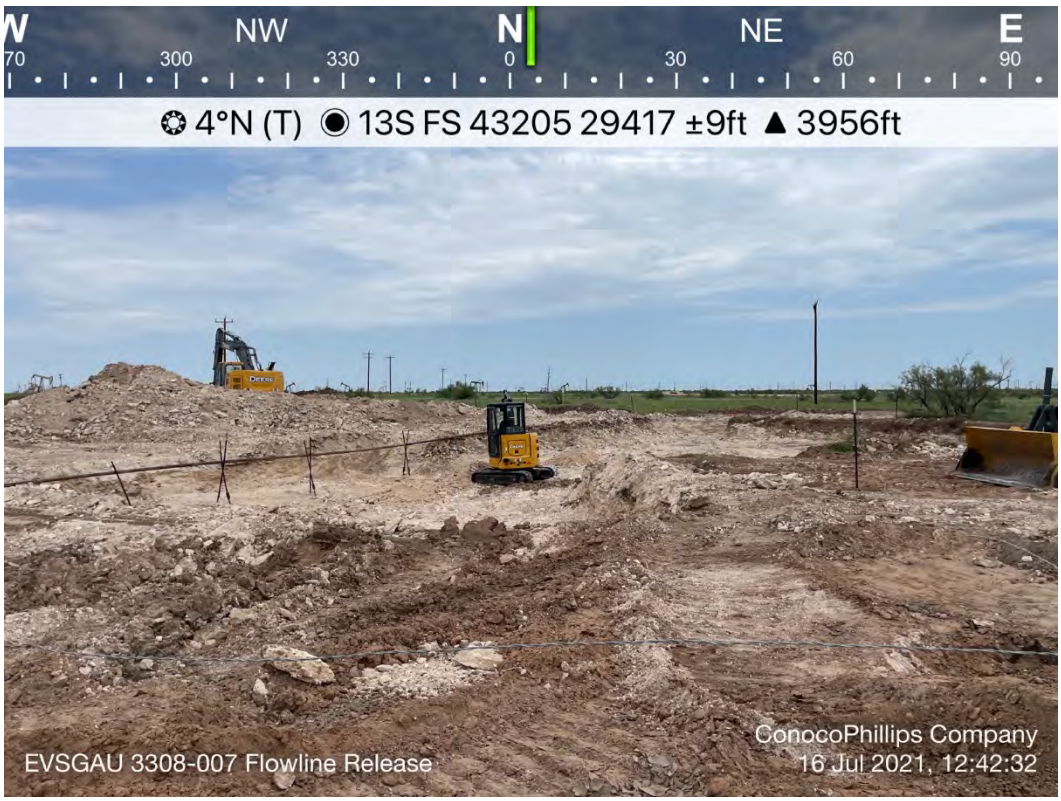
TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View south. 3' and 4' excavations.	7
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/13/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View west. 3' and 4' excavations.	8
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/14/2021

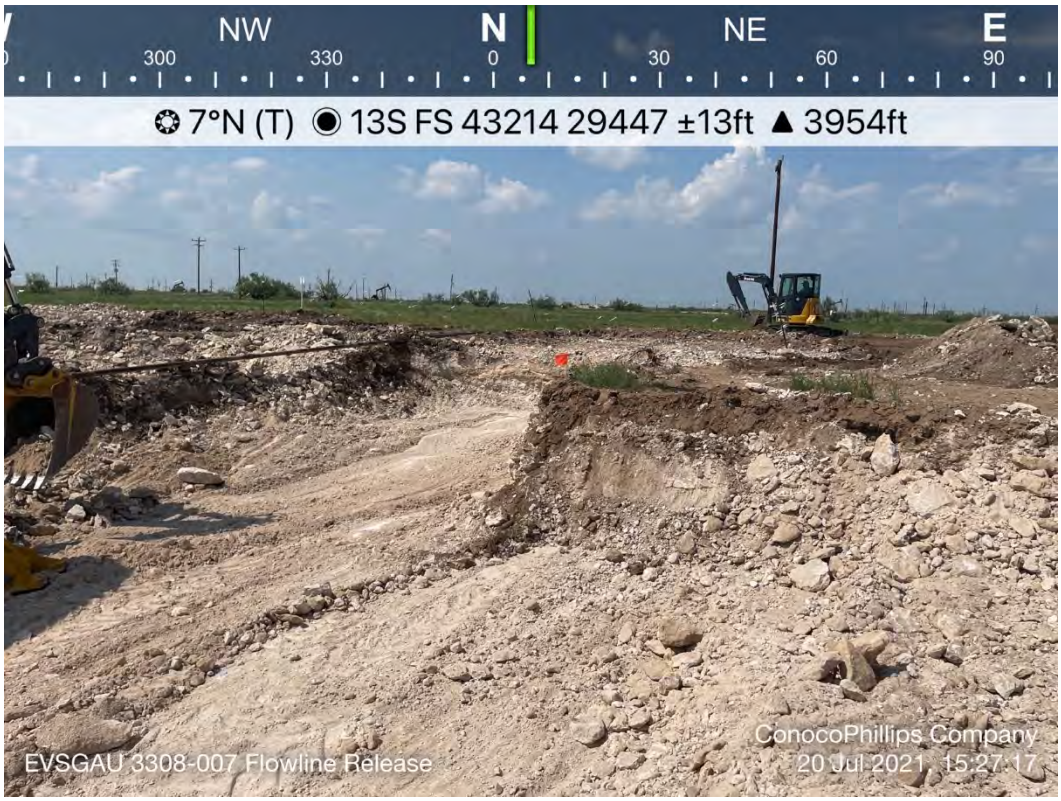
TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View west southwest. 3' and 4' excavations.	9
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/15/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View northeast. Northern portion of excavations.	10
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/15/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View east. 4' excavations.	11
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/16/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View north. 3' and 4' excavations.	12
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/16/2021

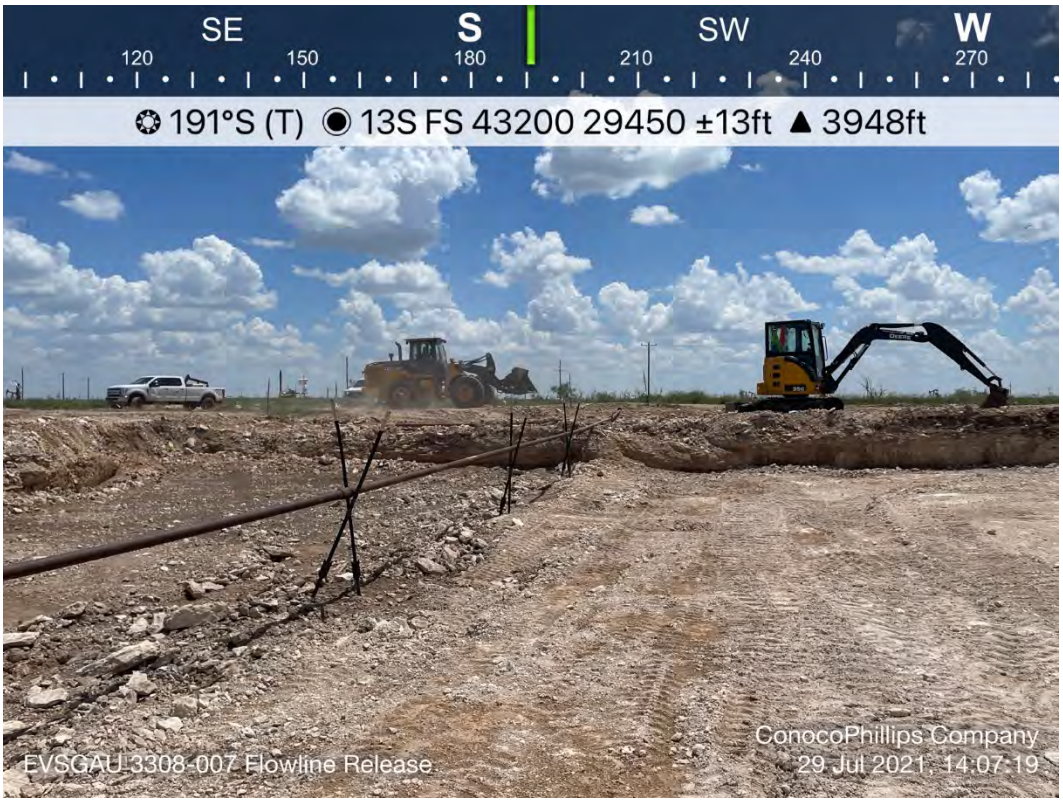


TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View north. 4’ excavation.	13
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/20/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View east. 4’ excavation.	14
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/22/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View west. 4' excavation.	15
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/22/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View south. 4' excavation.	16
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/26/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View south. 4' excavation.	17
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/29/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View south. 4' excavation.	18
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	7/30/2021

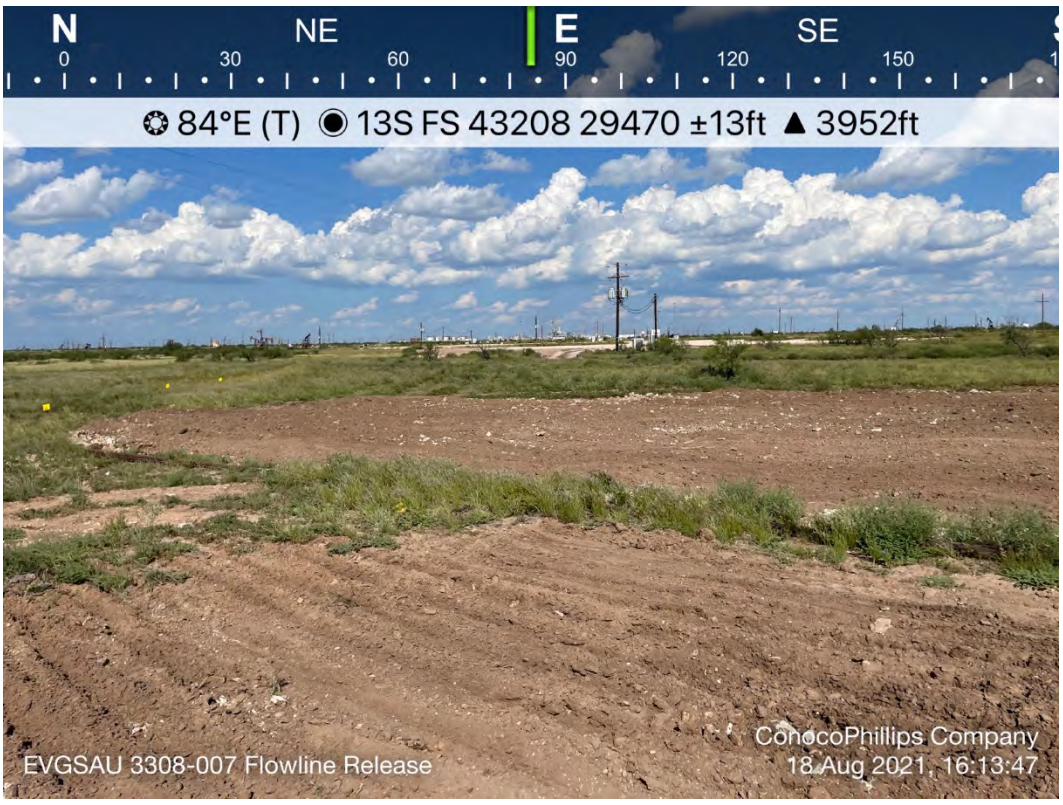
TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View northeast. Overview of excavation's eastern portion – 3-ft & 4-ft below ground surface.	19
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/3/21

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View south. 4-ft excavation extension.	20
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/4/21

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	Backfilling under flowline to prevent sagging.	21
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/4/21

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View northwest. Eastern portion of excavation filled with clean material.	22
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/10/21

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View northeast. Post remediation – following backfill, raking, and seeding.	23
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/18/21



TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View east. Post remediation – following backfill, raking, and seeding.	24
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/18/21

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View north-northwest. Post remediation – following backfill, raking, and seeding.	29
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/18/21

TETRA TECH, INC. PROJECT NO. 212C-MD-01929	DESCRIPTION	View north-northeast. Post remediation – following backfill, raking, and seeding.	30
	SITE NAME	ConocoPhillips - EVGSAU 3308-007 Flowline Release	8/18/21

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

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

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 56319
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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