TETRA TECH

August 24, 2021

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

Re: Closure Report
ConocoPhillips
MCA 1-A Header Release
Unit Letter G, Section 30, Township 17 South, Range 32 East
Lea County, New Mexico
1RP-3231
Incident ID# NTO1422438684

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred from a 6-inch transite production line northeast of the Maljamar Cooperative Agreement (MCA) 1-A Header. The release footprint is located in Public Land Survey System (PLSS) Unit Letter G, Section 30, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.806853°, -103.802790°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on March 14, 2012. The release occurred as the result of a failed 6-inch transite production line and reportedly encompassed an area of 2,125 square feet. Approximately 30 barrels (bbls) of produced water and 17 bbls of oil were released, and no fluids were reported recovered. The New Mexico Oil Conservation Division (NMOCD) received the initial C-141 report form for the release on August 12, 2014. The release was subsequently assigned the Remediation Permit (RP) number 1RP-3231. The Incident ID for this release is NTO1422438684.

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 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells located within an 800-meter (approximately ½-mile) radius of the release location. However, there are two water wells within a 3,000-meter (approximately 1.9-mile) radius with an average depth to groundwater at 78 feet below ground surface (bgs). The site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

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

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

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

Constituent	Remediation RRAL
Chloride	10,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
BTEX	50 mg/kg
Benzene	10 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 feet bgs) outside of active oil and gas operations are as follows:

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

SITE ASSESSMENT AND SUMMARY OF SAMPLING RESULTS

The release was initially assessed by Diamondback Disposal Services, Inc. (Diamondback) in June and October 2012 and Rice Environmental Consulting & Safety (RECS) in June 2014. Based on the results of the above-mentioned site assessments, RECS submitted a Corrective Action Plan (CAP) to NMOCD and the Bureau of Land Management (BLM) on behalf of ConocoPhillips on August 13, 2014. The CAP was approved by the NMOCD and BLM via email on August 13, 2014. The analytical results associated with the sampling events conducted by Diamondback and RECS are summarized in Table 1. The sample locations are shown on Figure 3.

In order to complete delineation of the release and confirm the results of the previous soil investigations performed by Diamondback and RECS, Tetra Tech personnel conducted an additional soil investigation on July 29 and August 13, 2020 on behalf of ConocoPhillips. A total of two (2) borings (BH-1 and BH-2) were installed within the release extent to depths of 27 feet and 30 feet bgs, respectively, using an air rotary drilling rig in July 2020. Additionally, in August 2020, six (6) borings (H 20-1 through H 20-6) were installed around the perimeter of the release extent to a depth of 4 feet bgs to horizontally delineate the release using a hand auger. Figure 4 depicts the approximate release extent and both the July and August 2020 soil boring locations.

A total of forty (40) samples were collected from the eight (8) borings and submitted to Pace Analytical National Center for Testing & Innovation (Pace) in Nashville, Tennessee to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

Results from the July and August 2020 soil sampling event are summarized in Table 2. The analytical results associated with BH-1 and BH-2 sample locations confirmed the results of the previous soil investigations. The analytical results from the samples collected from these locations were over applicable RRALs for chloride and TPH near the surface within the release footprint. The results associated with perimeter sample locations H-20-1 through H-20-6 were below Site RRALs for chloride, TPH and BTEX.

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 November 24, 2020 with fee application payment PO Number 8YULF-201124-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 Bradford Billings on Thursday, February 18, 2021. Mr. Billings also executed page 4 of the C-141 form included with the Work Plan.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From June 16 – July 7, 2021 Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Prior to breaking ground, permission was granted from the BLM (Arthur Arias) via email on March 29, 2021. 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 nine (9) floor sample locations and thirteen (13) sidewall sample locations were collected during the remedial activities. Confirmation sidewall sample locations were labeled with “SW”-#, and confirmation floor sample locations were labeled with “FS”-#. Excavated areas, depths and confirmation sample locations are shown in Figure 5.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace Analytical Services, LLC in Lenexa, Kansas. 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 observed impacted area was excavated to 4 feet below existing grade. Per the approved plan, the liner was emplaced once the excavation was completed to 4’ and the area was backfilled. Upon review of floor sample analytical results, two areas, one in the vicinity around FS-2 and the other in the vicinity around FS-7 and FS-8, had analytical results exhibiting elevated concentrations of TPH in the floor samples collected at 4’ bgs.

Based on the data, these two areas were re-excavated through the existing backfill and deepened an additional 1 foot to a total depth of 5 feet bgs. These areas are indicated in Figure 5. A secondary floor sample was collected for these three confirmation locations and submitted for analysis. The analytical results associated with these secondary samples were below the respective RRALs for the site (Table 3). An additional liner was emplaced on the floor of these two distinct areas. Subcontractor personnel exercised caution while working around the surface and subsurface flowlines in the vicinity. Thus, after iterative confirmation sampling at the floor sample and sidewall sample locations, all final confirmation soil samples (floor and sidewall) were below the respective RRALs for chloride, BTEX, and TPH. The results of the June and July 2021 confirmation sampling events are summarized in Table 3.

All the excavated material was transported offsite for proper disposal. Approximately 740 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, a 20-mil polyethylene liner was placed at the base of the excavation, and 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. Copies of the waste manifests are included in Appendix E.

As prescribed in the Work Plan, the backfilled areas were seeded in May 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 (S) Sites Seed Mixture were 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 MCA 1-A Header Release (1RP-3231) is included in an Agreed Compliance Order-Releases (ACO-R) between ConocoPhillips and the NMOCD signed on May 7 and 9, 2019, respectively. 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) 739-7874 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.

Samantha K. Abbott, P.G.
Senior Staff Geologist

Christian M, Llull, P.G.
Project Manager

cc:
Mr. Charles Beauvais, GPBU - ConocoPhillips
Ms. Jenni Fortunato, RMR – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Site Location Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent and Previous Boring Locations
Figure 4 – Approximate Release Extent and Additional Assessment Map
Figure 5 – Remediation Extents and Confirmation Sampling Locations

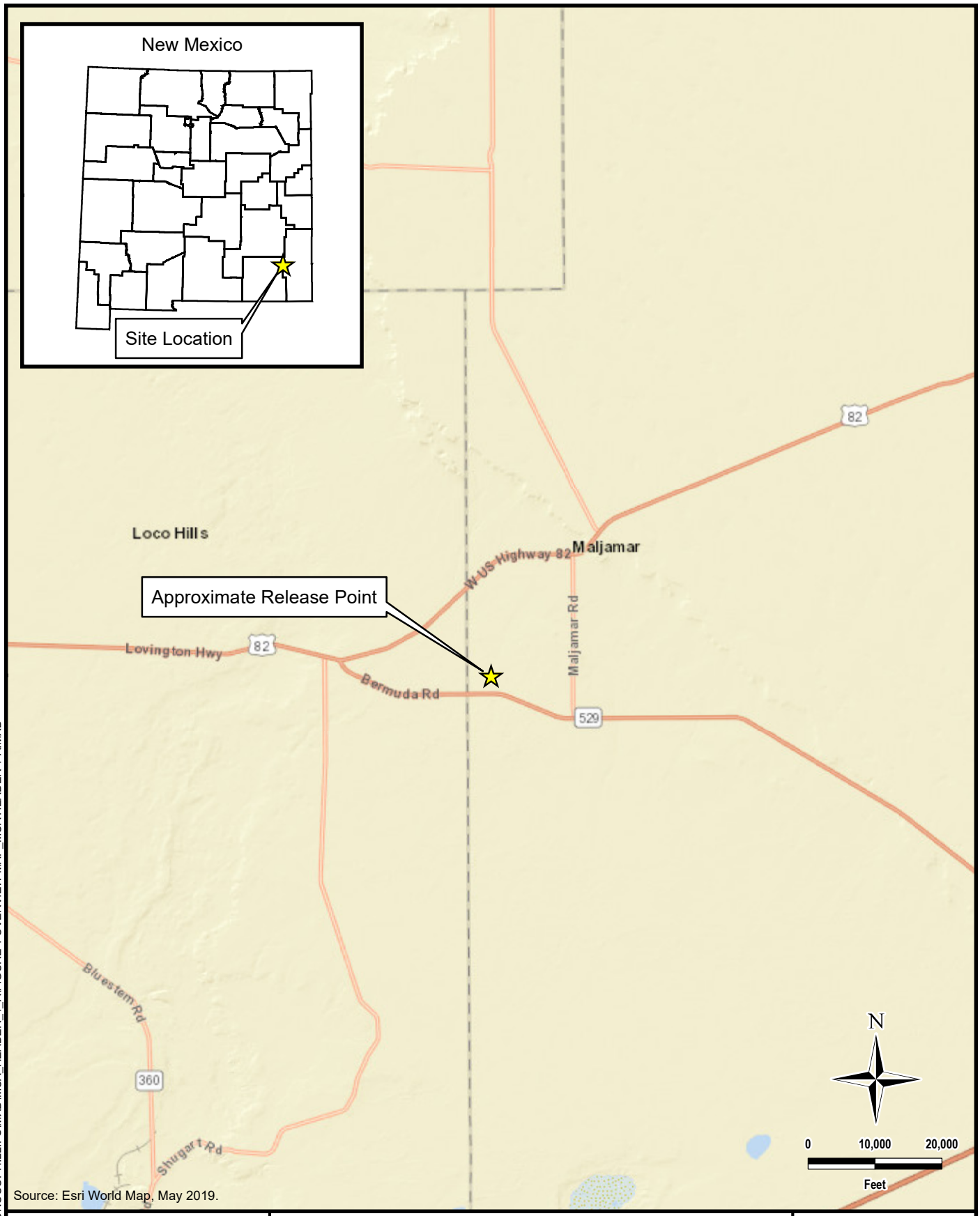
Tables:

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

Appendices:

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

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_HEADER_1_A\FIGURE 1 OVERVIEW MAP_MCA HEADER 1-A.MXD

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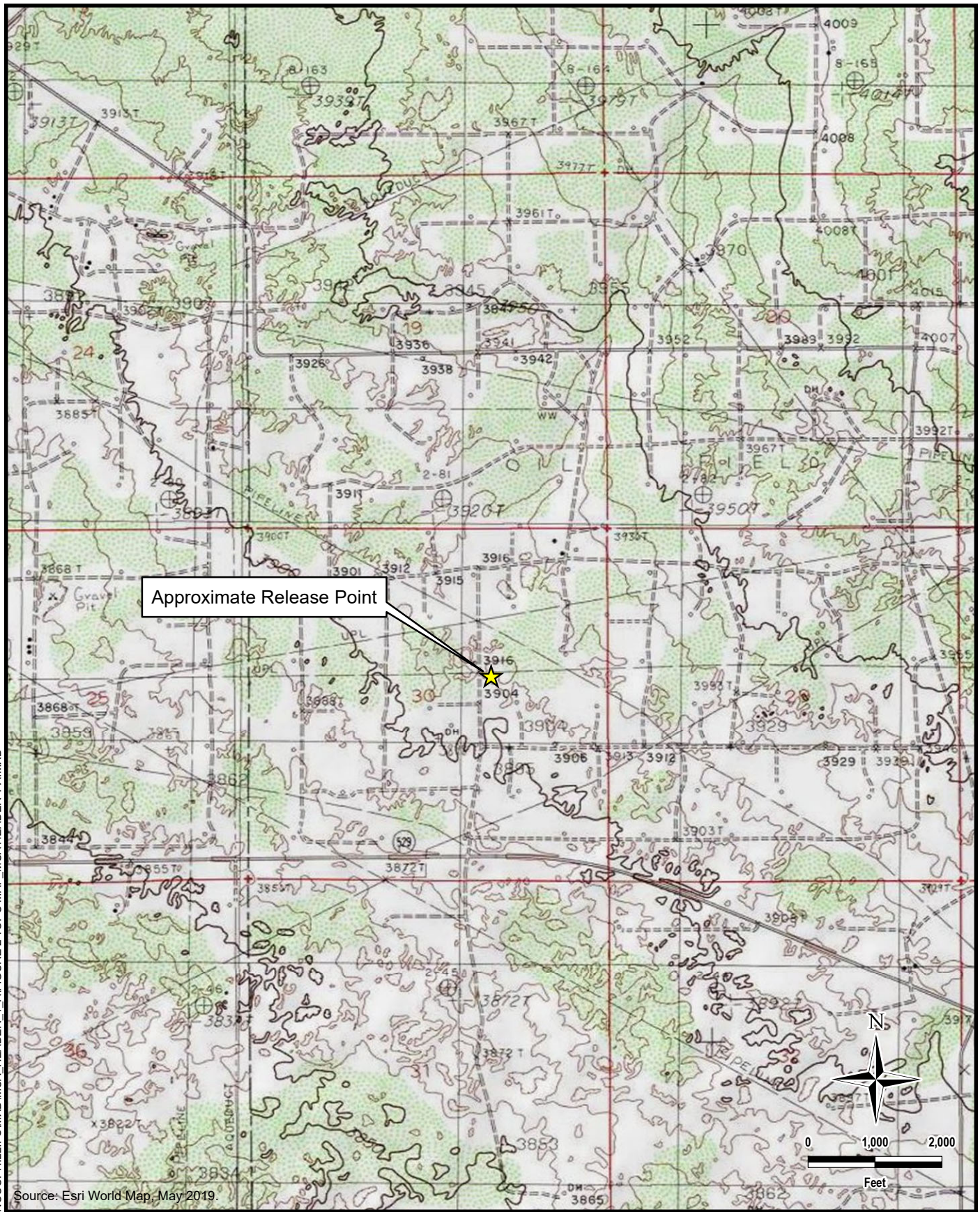
CONOCOPHILLIPS

1RP-3231
(32.806853°, -103.802790°)
LEA COUNTY, NEW MEXICO

MCA 1-A HEADER RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-02251
DATE:	AUGUST 17, 2020
DESIGNED BY:	AAM

Figure No.
1



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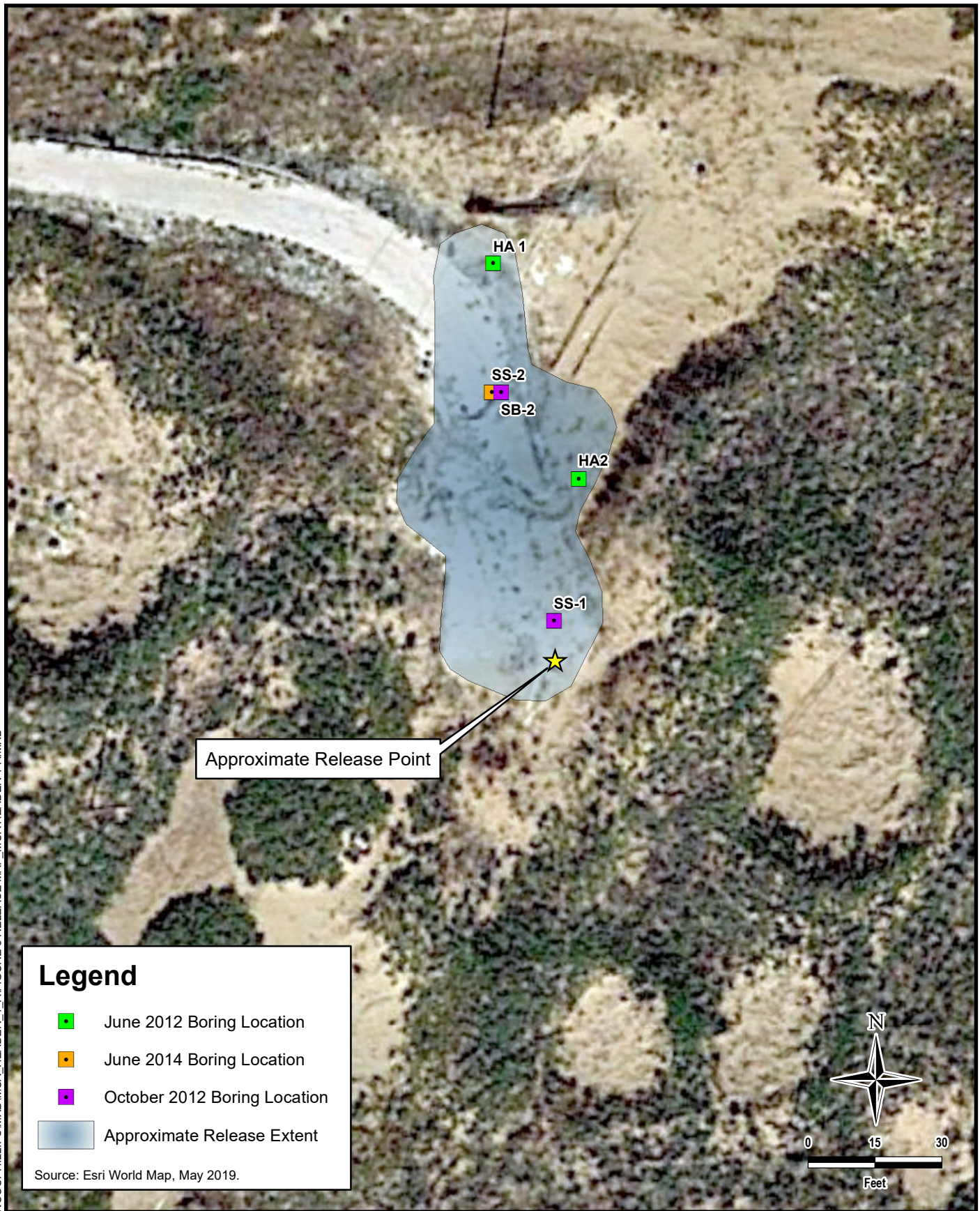
CONOCOPHILLIPS

1RP-3231
(32.806853°, -103.802790°)
LEA COUNTY, NEW MEXICO

MCA 1-A HEADER RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02251
DATE:	AUGUST 17, 2020
DESIGNED BY:	AAM

Figure No.
2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_HEADER_1_A\FIGURE 3 RELEASE MAP_MCA HEADER 1-A.MXD

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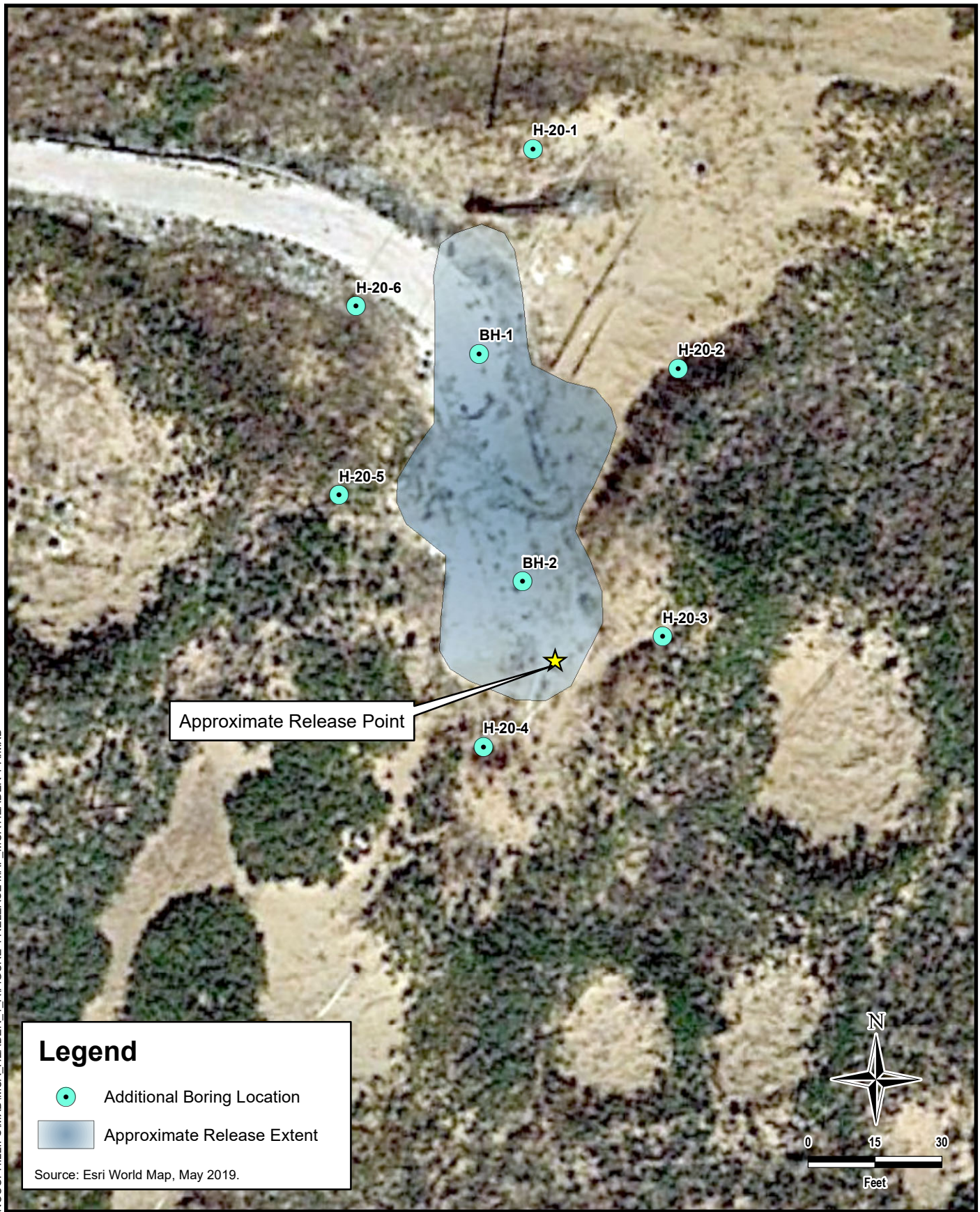
CONOCOPHILLIPS

1RP-3231
(32.806853°, -103.802790°)
LEA COUNTY, NEW MEXICO

MCA 1-A HEADER RELEASE
APPROXIMATE RELEASE EXTENT AND PREVIOUS BORING LOCATIONS

PROJECT NO.:	212C-MD-02251
DATE:	OCTOBER 07, 2020
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_HEADER_1_A\FIGURE 4 RELEASE MAP_MCA HEADER 1-A.MXD

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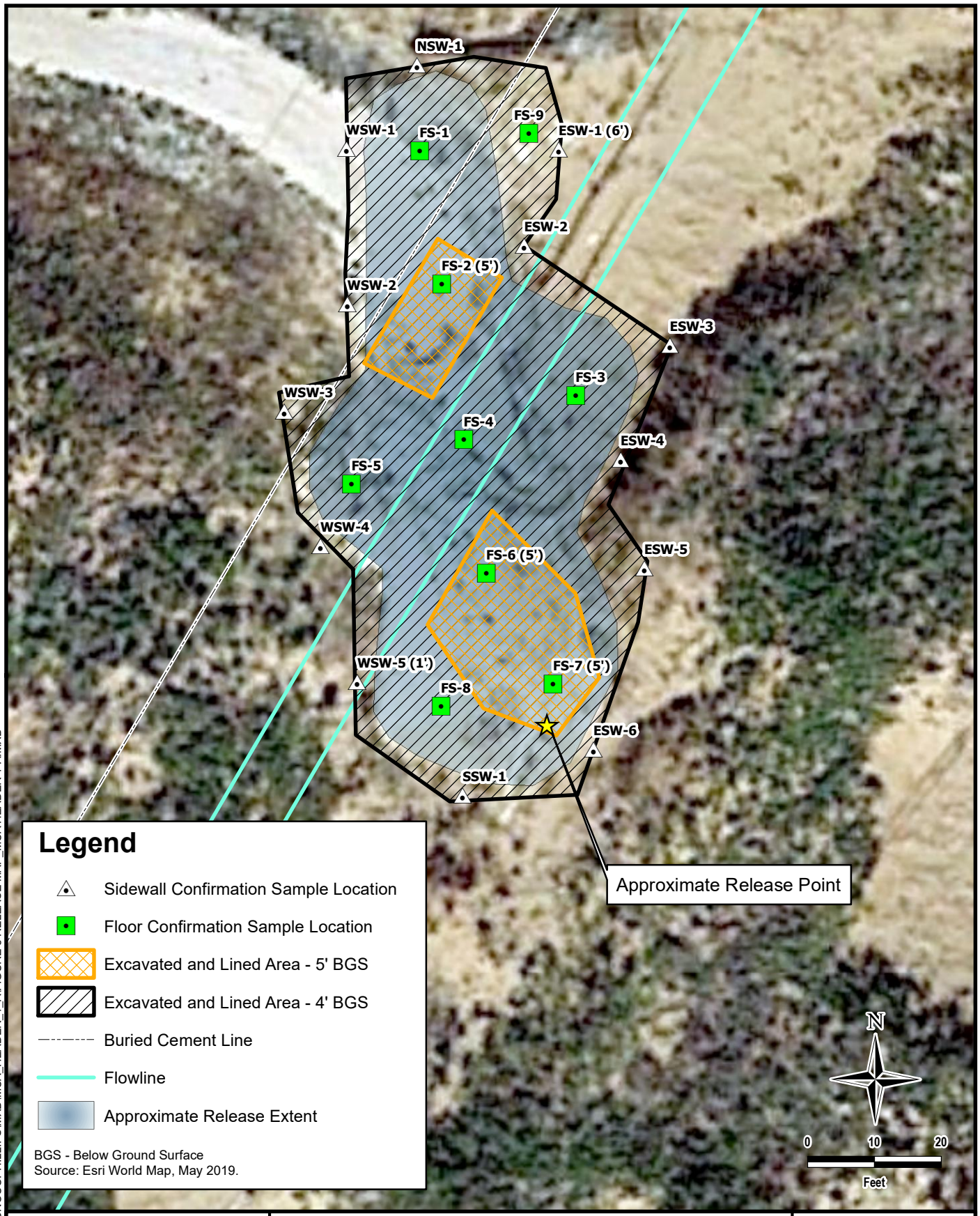
CONOCOPHILLIPS

1RP-3231
(32.806853°, -103.802790°)
LEA COUNTY, NEW MEXICO

MCA 1-A HEADER RELEASE
APPROXIMATE RELEASE EXTENT AND ADDITIONAL ASSESSMENT MAP

PROJECT NO.:	212C-MD-02251
DATE:	OCTOBER 07, 2020
DESIGNED BY:	AAM

Figure No.
4



Legend

- Sidewall Confirmation Sample Location
- Floor Confirmation Sample Location
- Excavated and Lined Area - 5' BGS
- Excavated and Lined Area - 4' BGS
- Buried Cement Line
- Flowline
- Approximate Release Extent

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

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_HEADER_1_A\FIGURE 5 RELEASE MAP_MCA HEADER 1-A.MXD

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CONOCOPHILLIPS

NTO1422438684
(32.814051°, -103.446575°)
LEA COUNTY, NEW MEXICO

MCA 1-A HEADER RELEASE
REMEDIATION EXTENTS AND CONFIRMATION SAMPLING LOCATIONS

PROJECT NO.:	212C-MD-02511
DATE:	JULY 12, 2021
DESIGNED BY:	AAM

Figure No.
5

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT
1RP-3231 / INCIDENT ID: NTO1422438684
CONOCOPHILLIPS
MCA 1-A HEADER TRANSITE LINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]					
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C_6 - C_{10}		DRO $>C_{10}$ - C_{28}		Total TPH (GRO+DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
HA-1	6/6/2012	SURFACE	32.0		2.93		82.0		93.8		148		***327***		971		11500		***12471***	
		9	240		< 0.050		< 0.050		0.077		0.224		0.301		< 10.0		358		***358***	
		14	400		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		123		***123***	
HA-2	6/6/2012	SURFACE	32.0		2.42		43.4		46.8		69.0		***162***		2950		8830		***11780***	
		10	***10100***		< 0.500		0.761		1.48		3.31		5.55		12.9		179		***192***	
		13	***2680***		< 0.050		0.058		0.154		0.383		0.595		11.6		290		***302***	
SS-1	10/16/2012	5	***656***		< 0.050		< 0.050		0.102		0.347		0.449		< 10.0		166		***166***	
		10	***5280***		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		149		***149***	
		15	112		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		< 10.0		-	
		20	592		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		354		***354***	
		25	112		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		95.1		95.1	
		30	160		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		95.6		95.6	
		40	160		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		110		***110***	
		50	96.0		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		69.8		69.8	
		60	160		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		254		***254***	
		70	96.0		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		74.4		74.4	
		80	64.0		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		37.0		37.0	
		90	96.0		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		92.0		92.0	
		100	64.0		< 0.050		< 0.050		< 0.050		< 0.150		-		< 10.0		44.7		44.7	
SS-2	10/16/2012	5	128		< 0.050		0.339		0.537		1.30		2.18		19.8		206		***226***	
		10	496		< 0.050		< 0.050		0.144		0.488		0.632		< 10.0		102		***102***	
		15	***704***		< 0.050		0.246		0.499		1.22		1.97		35.6		326		***362***	
		20	***1400***		< 0.050		0.132		0.332		0.857		1.32		17.0		184		***201***	
		25	***944***		< 0.050		0.052		0.148		0.340		0.540		12.0		490		***502***	
		30	***944***		< 0.050		< 0.050		0.089		0.229		0.318		12.1		560		***572***	
		40	***784***		< 0.050		< 0.050		0.086		0.352		0.438		15.2		579		***594***	
		50	***784***		< 0.050		< 0.050		0.066		0.268		0.334		12.0		626		***638***	
SB-2	6/18/2014	55	432		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		340		***340***	
		65	***1150***		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		230		***230***	
		75	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		236		***236***	

NOTES:

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

Bold and italicized values indicate exceedance of proposed RRALs

1 Method SM4500Cl-B
2 Method 8021B
3 Method 8015M

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT
1RP-3231 / INCIDENT ID: NTO1422438684
CONOCOPHILLIPS
MCA 1-A HEADER TRANSITE LINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1]		BTEX[2]									TPH[3]							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO[4] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
BH-1	7/29/2020	0-1	998	0.0	***611***		< 0.00147		< 0.00733		< 0.00366		< 0.00952		-	< 0.123		2.13	J	3.94	B J	6.07
		2-3	-	0.0	467		< 0.00108		< 0.00541		< 0.00270		< 0.00703		-	< 0.104		< 4.16		0.807	B J	0.807
		6-7	626	0.0	334		< 0.00108		< 0.00538		< 0.00269		< 0.00700		-	0.0273	J	2.13	J	1.11	B J	3.27
		9-10	-	0.0	165	J	< 0.00138		< 0.00691		< 0.00345		< 0.00898		-	< 0.108		1.98	J	1.25	J	3.23
		12-13	499	0.0	182	J	< 0.00110		< 0.00549		< 0.00275		< 0.00714		-	< 0.110		< 4.39		< 4.39		-
		14-15	-	0.0	288		< 0.00109		< 0.00547		< 0.00274		< 0.00711		-	0.0247	J	< 4.34		< 4.34		0.0247
		17-18	-	0.0	715		< 0.00108		< 0.00542		< 0.00271		0.00133	J	0.00133	0.0410	J J3 J5	< 4.34		< 4.34		0.0410
		19-20	1820	0.0	1410		< 0.00109		< 0.00546		< 0.00273		< 0.00710		-	0.0300	J	< 4.37		< 4.37		0.0300
		22-23	-	0.0	3190		< 0.00123		< 0.00614		< 0.00307		< 0.00799		-	0.0484	J	< 4.46	J3 J6	< 4.46		0.0484
		24-25	-	0.0	2780		< 0.00108		< 0.00540		< 0.00270		< 0.00702		-	< 0.108		1.93	J	0.316	J	2.25
		26-27	3730	0.0	2990		< 0.00108		< 0.00542		< 0.00271		< 0.00705		-	0.0269	J	< 4.34		< 4.34		0.0269
		29-30	3310	0.0	3090		< 0.00109		< 0.00546		< 0.00273		< 0.00710		-	< 0.109		< 4.37		< 4.37		-
BH-2	7/29/2020	0-1	-	0.0	17.1	J	< 0.00130		< 0.00652		< 0.00326		0.00206	J	0.00206	109		1270		684		***2063***
		2-3	-	0.0	78.3	J	< 0.00125		< 0.00627		< 0.00314		< 0.00815		-	0.0318	B J	2.39	J	< 4.51		2.42
		6-7	-	0.0	58.8	J	< 0.00109		< 0.00543		< 0.00272		0.00139	J	0.00139	7.48		485		346		838
		9-10	-	0.0	393		< 0.00148		< 0.00738		< 0.00370		< 0.00959		-	< 0.123		2.11	J	0.658	J	2.77
		11-12	-	0.0	289		< 0.00112		< 0.00558		< 0.00280		< 0.00725		-	< 0.111		< 4.42		< 4.42		-
		14-15	-	0.0	172		< 0.00108		< 0.00540		< 0.00270		< 0.00701		-	< 0.108		< 4.32		< 4.32		-
		17-18	-	0.0	315		< 0.00108		< 0.00539		< 0.00270		< 0.00701		-	< 0.108		< 4.32		1.78	B J	1.78
		19-20	-	0.0	720		< 0.00110		< 0.00549		< 0.00274		< 0.00713		-	< 0.110		< 4.39		1.94	B J	1.94
		22-23	1670	0.0	1200		< 0.00125		< 0.00623		< 0.00311		0.00114	J	0.00114	< 0.112		< 4.49		0.696	B J	0.696
		26-27	-	0.0	1180		< 0.00108		< 0.00542		< 0.00271		< 0.00705		-	0.0321	J	8.78		9.02	B	17.8
H-20-1	8/13/2020	0-1	12	0.0	< 20.2		< 0.00102		< 0.00511		< 0.00255		< 0.00664		-	< 0.101		7.09		6.60		13.7
		2-3	20	0.0	< 20.1		< 0.00145		< 0.00726		< 0.00363		< 0.00944		-	< 0.123		< 4.90		< 4.90		-
		3-4	-	-	22.2	J	< 0.00147		< 0.00735		< 0.00367		< 0.00955		-	< 0.124		< 4.94		< 4.94		-
H-20-2	8/13/2020	0-1	19	0.0	< 20.3		< 0.00103		< 0.00513		< 0.00256		< 0.00666		-	< 0.101		2.50	J	1.14	J	3.64
		2-3	11	0.0	18.0	J	< 0.00145		< 0.00726		< 0.00363		< 0.00944		-	< 0.123		< 4.90		< 4.90		-
		3-4	-	-	22.2		< 0.00147		< 0.00735		< 0.00367		< 0.00955		-	< 0.124		< 4.94		< 4.94		-
H-20-3	8/13/2020	0-1	-	-	10.6	J	< 0.00124		< 0.00620		< 0.00310		< 0.00807		-	< 0.113		< 4.48		< 4.48		-
		2-3	-	-	< 20.1		< 0.00101		< 0.00505		< 0.00253		< 0.00657		-	< 0.101		< 4.02		1.67	J	1.67
		3-4	-	-	17.4	J	< 0.00144		< 0.00719		< 0.00359		< 0.00934		-	< 0.122		< 4.87		< 4.87		-
H-20-4	8/13/2020	0-1	12	0.0	46.6		< 0.00143		< 0.00717		< 0.00358		< 0.00932		-	< 0.122		< 4.87		< 4.87		-
		2-3	9	0.0	20.3	J	< 0.00145		< 0.00725		< 0.00362		< 0.00942		-	< 0.124		< 4.90		< 4.90		-
		3-4	-	-	18.6	J	< 0.00144		< 0.00721		< 0.00361		< 0.00938			< 0.122		< 4.88		< 4.88		-
H-20-5	8/13/2020	0-1	8	0.0	25.8		< 0.00149		< 0.00743		< 0.00371		< 0.00966		-	< 0.124		< 4.97		< 4.97		-
		2-3	12	0.0	58.7		< 0.00143		< 0.00714		< 0.00357		< 0.00928		-	< 0.121		< 4.85		< 4.85		-
		3-4	-	-	< 21.0		< 0.00110		< 0.00550		< 0.00275		< 0.00715		-	0.0520	B J	< 4.20		< 4.20		0.0520
H-20-6	8/13/2020	0-1	9	0.0	45.5		< 0.00144		< 0.00178		< 0.00359		< 0.00933		-	< 0.122		< 4.87		3.64	J	3.64
		2-3	11	0.0	19.0	J	< 0.00143		< 0.00714		< 0.00357		< 0.00929		-	< 0.121		< 4.86		< 4.86		-
		3-4	-	-	< 20.1		< 0.00101		< 0.00503		< 0.00251		< 0.00653		-	0.0536	B J	3.51	J	< 4.01		3.56

NOTES:

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

Bold and italicized values indicate exceedance of proposed RRALs

QUALIFIERS:

B The same analyte is found in the associated blank.
J The identification of the analyte is acceptable; the reported value is an estimate.
J3 The associated batch QC was outside the established quality control range for precision.
J5 The sample matrix interfered with the ability to make any accurate determination; spike is high.
J6 The sample matrix interfered with the ability to make any accurate determination; spike is low.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING
1RP-3231 / INCIDENT ID: NTO1422438684
CONOCOPHILLIPS
MCA 1-A HEADER TRANSITE LINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride[1]		BTEX[2]								TPH[3]							
			Chloride	PID			Benzene		Ethylbenzene		Toluene		Total Xylenes		Total BTEX	GRO		DRO		ORO		Total TPH (GRO+DRO+ORO)
																C_3 - C_{10}		C_{10} - C_{28}		C_{28} - C_{35}		
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
FS-1	6/24/2021	4	105	11.5	< 110		< 0.0054		< 0.0054		< 0.0054		< 0.0054		-	< 11.2		25.0		< 10.8		25.0
FS-2	6/23/2021	4	65.6	143.3	< 105		< 0.264		< 0.264		< 0.264		< 0.264		-	< 9.9		2560		1190		***3750***
FS-2 (5')*	7/7/2021	5	-	-	< 103		< 0.0531		< 0.0531		< 0.106		< 0.266		-	< 10.6		15.0		14.7		29.7
FS-3	6/23/2021	4	24.1	10.9	< 101		< 0.262		< 0.262		< 0.262		< 0.262		-	< 9.6		< 9.7		< 9.7		-
FS-4	6/23/2021	4	26.7	2.3	< 99.5		< 0.0051		< 0.0051		< 0.0051		< 0.0051		-	< 9.6		< 9.7		< 9.7		-
FS-5	6/22/2021	4	21.4	0.4	< 103		< 0.0051		< 0.0051		< 0.0051		< 0.0051		-	< 10.3		< 10.0		< 10.0		-
FS-6	6/22/2021	4	150	97.0	< 97.0		< 0.0051		< 0.0051		< 0.0051		< 0.0051		-	< 10.2		3180		940		***4120***
FS-6 (5')*	7/7/2021	5	-	-	< 113		< 0.0605		< 0.0605		< 0.121		< 0.303		-	< 12.1		< 10.7		< 10.7		-
FS-7	6/22/2021	4	1140	46.5	621		< 0.254		< 0.254		< 0.254		< 0.254		-	< 10.2		5120		1600		***6720***
FS-7 (5')*	7/7/2021	5	-	-	< 112		< 0.0610		< 0.0610		< 0.122		< 0.305		-	< 12.2		< 10.8		< 10.8		-
FS-8	6/22/2021	4	22.3	2.3	< 105		< 0.0051		< 0.0051		< 0.0051		< 0.0051		-	< 10.2		< 9.9		< 9.9		-
FS-9	6/24/2021	4	201	121.3	123		< 0.0057		< 0.0057		< 0.0057		< 0.0057		-	< 12.3		104		24.9		129
NSW-1	6/16/2021	-	12.6	0.1	< 102		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 9.7		< 15.2		< 15.2		-
ESW-1	6/16/2021	-	14.6	4.2	< 101		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 9.5		193		161		***354***
ESW-1 (6')*	6/22/2021	-	15.7	0.5	< 102		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 10.4		< 10.1		< 10.1		-
ESW-2	6/16/2021	-	27.3	0.2	< 102		< 0.0051		< 0.0051		< 0.0051		< 0.0051		-	< 10.0		< 10.1		18.7		18.7
ESW-3	6/16/2021	-	11.7	0.3	< 102		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 9.3		< 9.8		< 9.8		-
ESW-4	6/16/2021	-	14.8	0.5	< 101		< 0.0049		< 0.0049		< 0.0049		< 0.0049		-	< 9.7		< 10.0		< 10.0		-
ESW-5	6/16/2021	-	13.5	0.2	< 102		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 8.8		< 10.1		< 10.1		-
ESW-6	6/16/2021	-	11.7	0.3	< 101		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 9.5		< 9.9		< 9.9		-
SSW-1	6/16/2021	-	11.0	0.4	< 102		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 10.2		< 10.0		< 10.0		-
WSW-1	6/16/2021	-	43.5	0.3	< 105		< 0.0052		< 0.0052		< 0.0052		< 0.0052		-	< 10.1		< 10.3		< 10.3		-
WSW-2	6/16/2021	-	14.6	0.3	< 100		< 0.0049		< 0.0049		< 0.0049		< 0.0049		-	< 10.0		< 9.6		< 9.6		-
WSW-3	6/16/2021	-	13.6	0.4	< 106		< 0.0053		< 0.0053		< 0.0053		< 0.0053		-	< 11.1		< 10.6		< 10.6		-
WSW-4	6/16/2021	-	10.3	0.1	< 100		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 8.9		< 10.0		< 10.0		-
WSW-5	6/16/2021	-	13.5	0.7	***1060***		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 9.8		< 10.0		< 10.0		-
WSW-5 (1')*	6/23/2021	-	16.4	1.3	< 96.8		< 0.0050		< 0.0050		< 0.0050		< 0.0050		-	< 8.9		< 10.0		< 10.0		-

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 9056

2 EPA Method 8260B

3 EPA Method 8015B

Bold and italicized values indicate exceedance of proposed Remediation RRALs and 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:

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

APPENDIX A
C-141 Forms

HOBBS OCD

AUG 12 2014

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ConocoPhillips Company	Contact John W. Gates
Address 3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No. 505.391.3158
Facility Name MCA 1A Header	Facility Type Oil and Gas

Surface Owner Federal	Mineral Owner Federal	Lease No LC 029410B

LOCATION OF RELEASE

30-025-06115 ?0

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	30	17	32					Lea

Latitude N32 48.387 Longitude W 103 48.200

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 47bbl (17oil, 30water)	Volume Recovered (0oil, 0water)
Source of Release 1A Header production line(6" transite)	Date and Hour of Occurrence 3/14/12 1403	Date and Hour of Discovery 3/14/2012 1530
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? NMOCD & BLM Were notified	
By Whom? Justin Wright	Date and Hour 3/14/12	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 6 inch transite production line at the MCA 1 A Header failed at the collar due to suspected age/fatigue

Describe Area Affected and Cleanup Action Taken.*
A 25' X 85' X 24" deep area of pastureland located ~350 yards north and east of the 1A header. No fluids could be recovered. The spill site will be Delineated/Remediated in accordance with BLM & NMOCD guidelines

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

Signature: John W. Gates	OIL CONSERVATION DIVISION	
Printed Name: John W. Gates	Approved by District Supervisor: Randall Patterson	
Title: HSER Lead	Approval Date: 8-12-14	Expiration Date: 10-14-14
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval: Site Sup for request	Attached ☐ IRP-3231
Date: 3/19/12 Phone: 505.391.3158		

• Attach Additional Sheets If Necessary

Submit Final C-141 by 10-14-14

Ogrid 217817
nTO1422 438684
pTO1422 248834

AUG 12 2014

State of New Mexico
Oil Conservation Division

Incident ID	nTO1422438684
District RP	1RP-3231
Facility ID	
Application ID	pTO1422248834

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nTO1422438684
District RP	1RP-3231
Facility ID	
Application ID	pTO1422248834

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: 11/24/2020

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

OCD Only

Received by: Date:

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nTO1422438684
District RP	1RP-3231
Facility ID	
Application ID	pTO1422248834

Remediation Plan

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

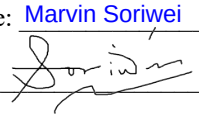
- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note 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: 11/24/2020

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

OCD Only

Received by: _____ Date: _____

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

Signature: Bradford Billings Date: 02/15/2021

Variance request for maximum 500 sq.ft. for confirmation sampling is approved.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Bradford Billings Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 612085.678 **Northing (Y):** 3630508.914 **Radius:** 800

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 12721 POD1		RA	LE	3	2	3	28	17S	32E	614645	3630141	2587	125		
RA 10175		RA	LE		2	1	28	17S	32E	614814	3631005*	2773	158		
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	2778	120	81	39
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	2884	400		
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	2919	100		
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	2923	100		
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	2953	100		
RA 12721 POD2		RA	LE	1	1	4	28	17S	32E	615055	3630407	2972	124	75	49

Average Depth to Water: **78 feet**
Minimum Depth: **75 feet**
Maximum Depth: **81 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 612084.557 **Northing (Y):** 3630515.158 **Radius:** 3000

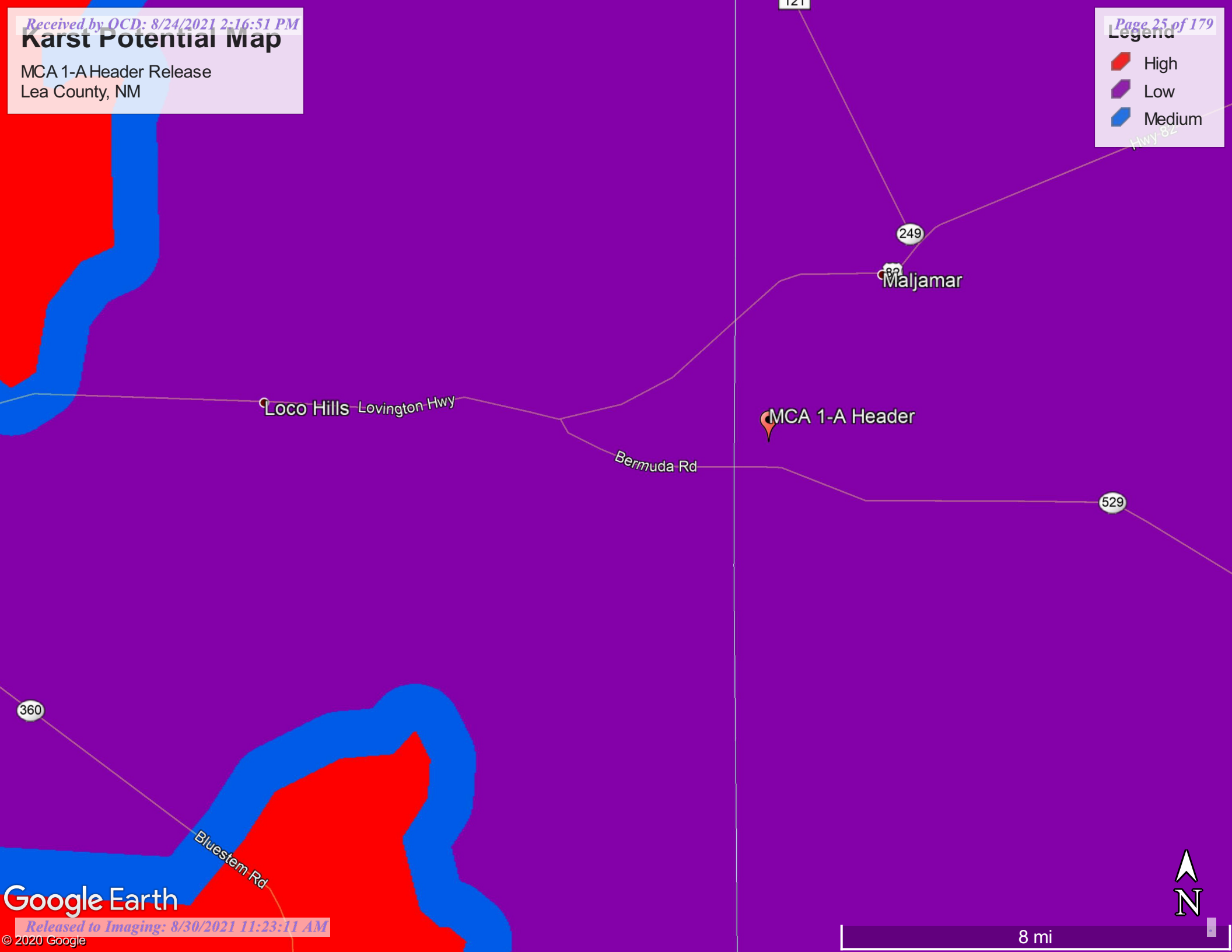
***UTM location was derived from PLSS - see Help**

8/11/20 12:06 PM

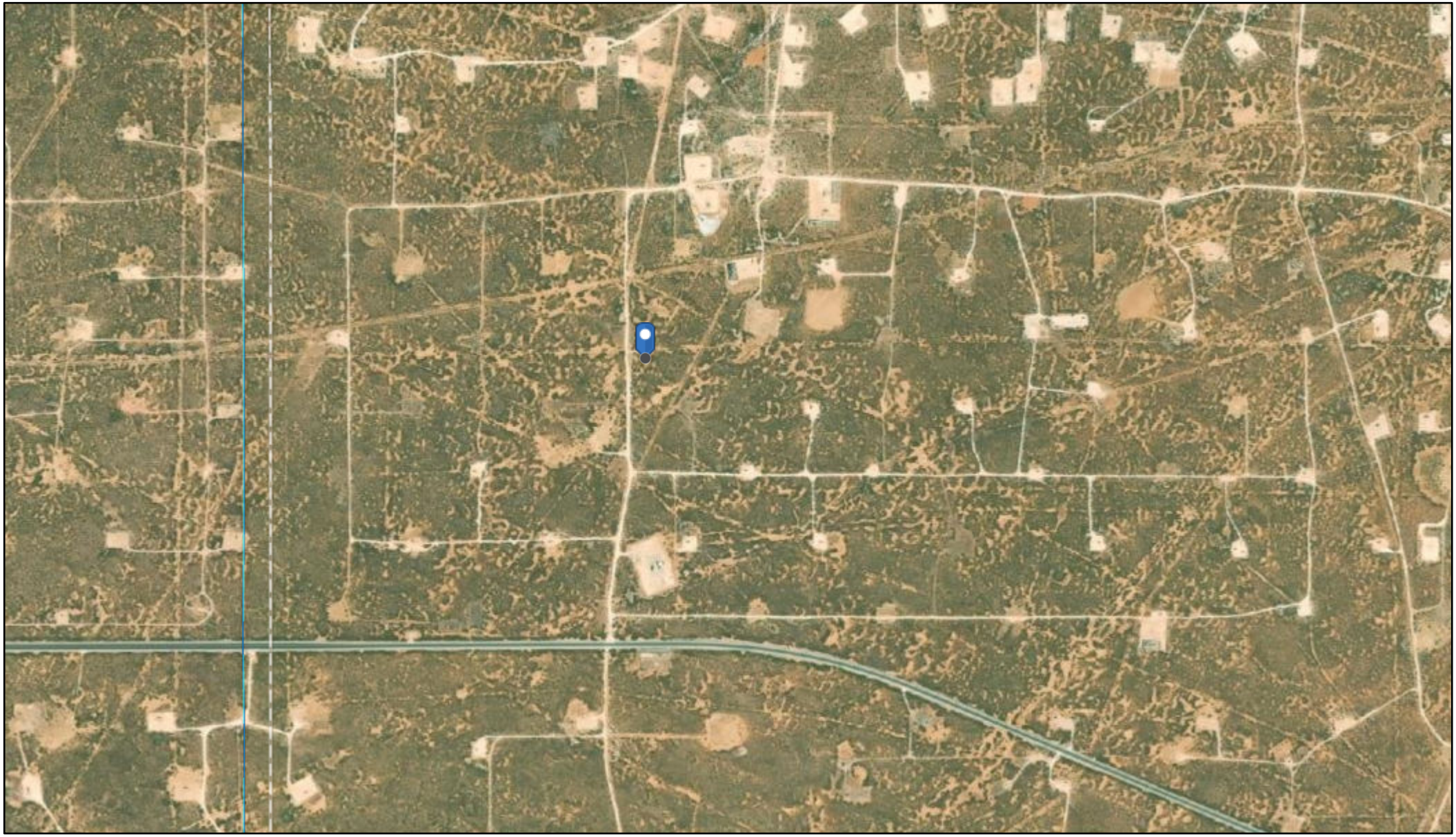
WATER COLUMN/ AVERAGE DEPTH TO WATER

Karst Potential Map

MCA 1-A Header Release
Lea County, NM



MCA 1-A Header Release



6/30/2021, 10:03:35 AM

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, Garmin, iPC, Maxar

New Mexico Oil Conservation Division

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

APPENDIX C
Laboratory Analytical Data

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

June 22, 2021

Sam Abbott
Tetra Tech, Inc
8911 N Capital of Texas Hwy
#2310
Austin, TX 78759

RE: Project: MCA 1-A HEADER
Pace Project No.: 60372652

Dear Sam Abbott:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 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: John Thurston, Tetra Tech-Houston TX

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

CERTIFICATIONS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

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: MCA 1-A HEADER
Pace Project No.: 60372652

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60372652001	**NSW-1**	Solid	06/16/21 10:15	06/18/21 08:20
60372652002	**SSW-1**	Solid	06/16/21 10:20	06/18/21 08:20
60372652003	**ESW-1**	Solid	06/16/21 10:25	06/18/21 08:20
60372652004	**ESW-2**	Solid	06/16/21 10:30	06/18/21 08:20
60372652005	**ESW-3**	Solid	06/16/21 10:35	06/18/21 08:20
60372652006	**ESW-4**	Solid	06/16/21 10:40	06/18/21 08:20
60372652007	**ESW-5**	Solid	06/16/21 10:45	06/18/21 08:20
60372652008	**ESW-6**	Solid	06/16/21 10:50	06/18/21 08:20
60372652009	**WSW-1**	Solid	06/16/21 10:55	06/18/21 08:20
60372652010	**WSW-2**	Solid	06/16/21 11:00	06/18/21 08:20
60372652011	**WSW-3**	Solid	06/16/21 12:30	06/18/21 08:20
60372652012	**WSW-4**	Solid	06/16/21 12:35	06/18/21 08:20
60372652013	**WSW-5**	Solid	06/16/21 12:40	06/18/21 08:20

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

SAMPLE ANALYTE COUNT

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60372652001	**NSW-1**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652002	**SSW-1**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652003	**ESW-1**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652004	**ESW-2**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652005	**ESW-3**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652006	**ESW-4**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652007	**ESW-5**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652008	**ESW-6**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652009	**WSW-1**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652010	**WSW-2**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652011	**WSW-3**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652012	**WSW-4**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60372652013	**WSW-5**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: NSW-1 **Lab ID: 60372652001** Collected: 06/16/21 10:15 Received: 06/18/21 08:20 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	15.2	1	06/18/21 13:39	06/20/21 16:16		
TPH-ORO (C28-C35)	ND	mg/kg	15.2	1	06/18/21 13:39	06/20/21 16:16		
Surrogates								
n-Tetracosane (S)	97	%	31-152	1	06/18/21 13:39	06/20/21 16:16	646-31-1	
p-Terphenyl (S)	109	%	46-130	1	06/18/21 13:39	06/20/21 16:16	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	9.7	1	06/21/21 22:17	06/22/21 12:49		
Surrogates								
4-Bromofluorobenzene (S)	97	%	63-121	1	06/21/21 22:17	06/22/21 12:49	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 20:57	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 20:57	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 20:57	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 20:57	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	06/18/21 19:22	06/18/21 20:57	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1	06/18/21 19:22	06/18/21 20:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/18/21 19:22	06/18/21 20:57	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**1.5**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	102	10	06/18/21 08:26	06/18/21 20:36	16887-00-6	

Sample: SSW-1 **Lab ID: 60372652002** Collected: 06/16/21 10:20 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 16:41		
TPH-ORO (C28-C35)	ND	mg/kg	10.0	1	06/18/21 13:39	06/20/21 16:41		
Surrogates								
n-Tetracosane (S)	82	%	31-152	1	06/18/21 13:39	06/20/21 16:41	646-31-1	
p-Terphenyl (S)	91	%	46-130	1	06/18/21 13:39	06/20/21 16:41	92-94-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: SSW-1 **Lab ID: 60372652002** Collected: 06/16/21 10:20 Received: 06/18/21 08:20 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	10.2	1	06/21/21 22:17	06/22/21 13:10		
Surrogates								
4-Bromofluorobenzene (S)	96	%	63-121	1	06/21/21 22:17	06/22/21 13:10	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 21:45	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 21:45	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 21:45	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 21:45	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	06/18/21 19:22	06/18/21 21:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1	06/18/21 19:22	06/18/21 21:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/18/21 19:22	06/18/21 21:45	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**1.6**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	102	10	06/18/21 08:26	06/18/21 21:28	16887-00-6	

Sample: ESW-1 **Lab ID: 60372652003** Collected: 06/16/21 10:25 Received: 06/18/21 08:20 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)	**193**	mg/kg	9.7	1	06/18/21 13:39	06/20/21 16:49		
TPH-ORO (C28-C35)	**161**	mg/kg	9.7	1	06/18/21 13:39	06/20/21 16:49		
Surrogates								
n-Tetracosane (S)	88	%	31-152	1	06/18/21 13:39	06/20/21 16:49	646-31-1	
p-Terphenyl (S)	95	%	46-130	1	06/18/21 13:39	06/20/21 16:49	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	9.5	1	06/21/21 22:17	06/22/21 13:31		
Surrogates								
4-Bromofluorobenzene (S)	98	%	63-121	1	06/21/21 22:17	06/22/21 13:31	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: ESW-1 **Lab ID: 60372652003** Collected: 06/16/21 10:25 Received: 06/18/21 08:20 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:01	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:01	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:01	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:01	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	06/18/21 19:22	06/18/21 22:01	2037-26-5	
4-Bromofluorobenzene (S)	109	%	80-120	1	06/18/21 19:22	06/18/21 22:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 22:01	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**0.64**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
	Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	101	10	06/18/21 08:26	06/18/21 22:02	16887-00-6	

Sample: ESW-2 **Lab ID: 60372652004** Collected: 06/16/21 10:30 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 17:05		
TPH-ORO (C28-C35)	**18.7**	mg/kg	10.1	1	06/18/21 13:39	06/20/21 17:05		
Surrogates								
n-Tetracosane (S)	88	%	31-152	1	06/18/21 13:39	06/20/21 17:05	646-31-1	
p-Terphenyl (S)	97	%	46-130	1	06/18/21 13:39	06/20/21 17:05	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	10.0	1	06/21/21 22:17	06/22/21 13:53		
Surrogates								
4-Bromofluorobenzene (S)	96	%	63-121	1	06/21/21 22:17	06/22/21 13:53	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.1	1	06/18/21 19:22	06/18/21 22:17	71-43-2	
Ethylbenzene	ND	ug/kg	5.1	1	06/18/21 19:22	06/18/21 22:17	100-41-4	
Toluene	ND	ug/kg	5.1	1	06/18/21 19:22	06/18/21 22:17	108-88-3	
Xylene (Total)	ND	ug/kg	5.1	1	06/18/21 19:22	06/18/21 22:17	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-120	1	06/18/21 19:22	06/18/21 22:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: ESW-2 **Lab ID: 60372652004** Collected: 06/16/21 10:30 Received: 06/18/21 08:20 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 22:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	06/18/21 19:22	06/18/21 22:17	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**2.4**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	102	10	06/18/21 08:26	06/18/21 22:20	16887-00-6	

Sample: ESW-3 **Lab ID: 60372652005** Collected: 06/16/21 10:35 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 17:13		
TPH-ORO (C28-C35)	ND	mg/kg	9.8	1	06/18/21 13:39	06/20/21 17:13		
Surrogates								
n-Tetracosane (S)	82	%	31-152	1	06/18/21 13:39	06/20/21 17:13	646-31-1	
p-Terphenyl (S)	89	%	46-130	1	06/18/21 13:39	06/20/21 17:13	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	9.3	1	06/21/21 22:17	06/22/21 14:15		
Surrogates								
4-Bromofluorobenzene (S)	97	%	63-121	1	06/21/21 22:17	06/22/21 14:15	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:33	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:33	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:33	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 22:33	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%	80-120	1	06/18/21 19:22	06/18/21 22:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 22:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	06/18/21 19:22	06/18/21 22:33	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: ESW-3 **Lab ID: 60372652005** Collected: 06/16/21 10:35 Received: 06/18/21 08:20 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	**2.2**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
	Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	102	10	06/18/21 08:26	06/18/21 23:12	16887-00-6	

Sample: ESW-4 **Lab ID: 60372652006** Collected: 06/16/21 10:40 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 17:21		
TPH-ORO (C28-C35)	ND	mg/kg	10	1	06/18/21 13:39	06/20/21 17:21		
Surrogates								
n-Tetracosane (S)	92	%	31-152	1	06/18/21 13:39	06/20/21 17:21	646-31-1	
p-Terphenyl (S)	102	%	46-130	1	06/18/21 13:39	06/20/21 17:21	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	9.7	1	06/21/21 22:17	06/22/21 14:36		
Surrogates								
4-Bromofluorobenzene (S)	99	%	63-121	1	06/21/21 22:17	06/22/21 14:36	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 22:49	71-43-2	
Ethylbenzene	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 22:49	100-41-4	
Toluene	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 22:49	108-88-3	
Xylene (Total)	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 22:49	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-120	1	06/18/21 19:22	06/18/21 22:49	2037-26-5	
4-Bromofluorobenzene (S)	106	%	80-120	1	06/18/21 19:22	06/18/21 22:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 22:49	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**0.65**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
	Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	101	10	06/18/21 08:26	06/18/21 23:29	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: ESW-5 **Lab ID: 60372652007** Collected: 06/16/21 10:45 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 17:29		
TPH-ORO (C28-C35)	ND	mg/kg	10.1	1	06/18/21 13:39	06/20/21 17:29		
Surrogates								
n-Tetracosane (S)	102	%	31-152	1	06/18/21 13:39	06/20/21 17:29	646-31-1	
p-Terphenyl (S)	111	%	46-130	1	06/18/21 13:39	06/20/21 17:29	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	8.8	1	06/21/21 22:17	06/22/21 14:58		
Surrogates								
4-Bromofluorobenzene (S)	97	%	63-121	1	06/21/21 22:17	06/22/21 14:58	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:05	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:05	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:05	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:05	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 23:05	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1	06/18/21 19:22	06/18/21 23:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	06/18/21 19:22	06/18/21 23:05	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**1.6**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	102	10	06/18/21 08:26	06/18/21 23:47	16887-00-6	

Sample: ESW-6 **Lab ID: 60372652008** Collected: 06/16/21 10:50 Received: 06/18/21 08:20 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	9.9	1	06/18/21 13:39	06/20/21 17:37		
TPH-ORO (C28-C35)	ND	mg/kg	9.9	1	06/18/21 13:39	06/20/21 17:37		
Surrogates								
n-Tetracosane (S)	90	%	31-152	1	06/18/21 13:39	06/20/21 17:37	646-31-1	
p-Terphenyl (S)	98	%	46-130	1	06/18/21 13:39	06/20/21 17:37	92-94-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: ESW-6 **Lab ID: 60372652008** Collected: 06/16/21 10:50 Received: 06/18/21 08:20 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	9.5	1	06/21/21 22:17	06/22/21 15:19		
Surrogates								
4-Bromofluorobenzene (S)	98	%	63-121	1	06/21/21 22:17	06/22/21 15:19	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:21	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:21	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:21	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/18/21 23:21	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	06/18/21 19:22	06/18/21 23:21	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1	06/18/21 19:22	06/18/21 23:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 23:21	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**0.82**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	101	10	06/18/21 08:26	06/19/21 00:04	16887-00-6	

Sample: WSW-1 **Lab ID: 60372652009** Collected: 06/16/21 10:55 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 17:45		
TPH-ORO (C28-C35)	ND	mg/kg	10.3	1	06/18/21 13:39	06/20/21 17:45		
Surrogates								
n-Tetracosane (S)	80	%	31-152	1	06/18/21 13:39	06/20/21 17:45	646-31-1	
p-Terphenyl (S)	89	%	46-130	1	06/18/21 13:39	06/20/21 17:45	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	10.1	1	06/21/21 22:17	06/22/21 15:41		
Surrogates								
4-Bromofluorobenzene (S)	97	%	63-121	1	06/21/21 22:17	06/22/21 15:41	460-00-4	

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: WSW-1 **Lab ID: 60372652009** Collected: 06/16/21 10:55 Received: 06/18/21 08:20 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.2	1	06/19/21 14:12	06/19/21 15:53	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1	06/19/21 14:12	06/19/21 15:53	100-41-4	
Toluene	ND	ug/kg	5.2	1	06/19/21 14:12	06/19/21 15:53	108-88-3	
Xylene (Total)	ND	ug/kg	5.2	1	06/19/21 14:12	06/19/21 15:53	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-120	1	06/19/21 14:12	06/19/21 15:53	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1	06/19/21 14:12	06/19/21 15:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/19/21 14:12	06/19/21 15:53	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**5.0**	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	105	10	06/18/21 08:26	06/19/21 00:21	16887-00-6	

Sample: WSW-2 **Lab ID: 60372652010** Collected: 06/16/21 11:00 Received: 06/18/21 08:20 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	9.6	1	06/18/21 13:39	06/20/21 17:53		
TPH-ORO (C28-C35)	ND	mg/kg	9.6	1	06/18/21 13:39	06/20/21 17:53		
Surrogates								
n-Tetracosane (S)	92	%	31-152	1	06/18/21 13:39	06/20/21 17:53	646-31-1	
p-Terphenyl (S)	99	%	46-130	1	06/18/21 13:39	06/20/21 17:53	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	1	06/21/21 22:17	06/22/21 17:32		
Surrogates								
4-Bromofluorobenzene (S)	97	%	63-121	1	06/21/21 22:17	06/22/21 17:32	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 23:53	71-43-2	
Ethylbenzene	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 23:53	100-41-4	
Toluene	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 23:53	108-88-3	
Xylene (Total)	ND	ug/kg	4.9	1	06/18/21 19:22	06/18/21 23:53	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/18/21 19:22	06/18/21 23:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: WSW-2 **Lab ID: 60372652010** Collected: 06/16/21 11:00 Received: 06/18/21 08:20 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	104	%	80-120	1	06/18/21 19:22	06/18/21 23:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/18/21 19:22	06/18/21 23:53	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	ND	%	0.50	1		06/18/21 13:54		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	100	10	06/18/21 08:26	06/19/21 00:39	16887-00-6	

Sample: WSW-3 **Lab ID: 60372652011** Collected: 06/16/21 12:30 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 18:02		
TPH-ORO (C28-C35)	ND	mg/kg	10.6	1	06/18/21 13:39	06/20/21 18:02		
Surrogates								
n-Tetracosane (S)	82	%	31-152	1	06/18/21 13:39	06/20/21 18:02	646-31-1	
p-Terphenyl (S)	87	%	46-130	1	06/18/21 13:39	06/20/21 18:02	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	11.1	1	06/21/21 22:17	06/22/21 17:54		
Surrogates								
4-Bromofluorobenzene (S)	99	%	63-121	1	06/21/21 22:17	06/22/21 17:54	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.3	1	06/18/21 19:22	06/19/21 00:09	71-43-2	
Ethylbenzene	ND	ug/kg	5.3	1	06/18/21 19:22	06/19/21 00:09	100-41-4	
Toluene	ND	ug/kg	5.3	1	06/18/21 19:22	06/19/21 00:09	108-88-3	
Xylene (Total)	ND	ug/kg	5.3	1	06/18/21 19:22	06/19/21 00:09	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	06/18/21 19:22	06/19/21 00:09	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1	06/18/21 19:22	06/19/21 00:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	06/18/21 19:22	06/19/21 00:09	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: WSW-3 **Lab ID: 60372652011** Collected: 06/16/21 12:30 Received: 06/18/21 08:20 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	**5.7**	%	0.50	1		06/18/21 13:55		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	106	10	06/18/21 08:26	06/19/21 00:56	16887-00-6	

Sample: WSW-4 **Lab ID: 60372652012** Collected: 06/16/21 12:35 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 18:10		
TPH-ORO (C28-C35)	ND	mg/kg	10	1	06/18/21 13:39	06/20/21 18:10		
Surrogates								
n-Tetracosane (S)	85	%	31-152	1	06/18/21 13:39	06/20/21 18:10	646-31-1	
p-Terphenyl (S)	93	%	46-130	1	06/18/21 13:39	06/20/21 18:10	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	8.9	1	06/21/21 22:17	06/22/21 18:16		
Surrogates								
4-Bromofluorobenzene (S)	99	%	63-121	1	06/21/21 22:17	06/22/21 18:16	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:24	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:24	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:24	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/18/21 19:22	06/19/21 00:24	2037-26-5	
4-Bromofluorobenzene (S)	108	%	80-120	1	06/18/21 19:22	06/19/21 00:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/18/21 19:22	06/19/21 00:24	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	ND	%	0.50	1		06/18/21 13:55		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	100	10	06/18/21 08:26	06/19/21 01:13	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Sample: WSW-5 **Lab ID: 60372652013** Collected: 06/16/21 12:40 Received: 06/18/21 08:20 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	06/18/21 13:39	06/20/21 18:34		
TPH-ORO (C28-C35)	ND	mg/kg	10	1	06/18/21 13:39	06/20/21 18:34		
Surrogates								
n-Tetracosane (S)	89	%	31-152	1	06/18/21 13:39	06/20/21 18:34	646-31-1	
p-Terphenyl (S)	97	%	46-130	1	06/18/21 13:39	06/20/21 18:34	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	9.8	1	06/21/21 22:17	06/22/21 18:38		
Surrogates								
4-Bromofluorobenzene (S)	98	%	63-121	1	06/21/21 22:17	06/22/21 18:38	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:40	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:40	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:40	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/18/21 19:22	06/19/21 00:40	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/18/21 19:22	06/19/21 00:40	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1	06/18/21 19:22	06/19/21 00:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/18/21 19:22	06/19/21 00:40	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**0.93**	%	0.50	1		06/18/21 13:55		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**1060**	mg/kg	101	10	06/18/21 08:26	06/19/21 01:31	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60372652

QC Batch: 727548 — Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B — Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

METHOD BLANK: 2922941 — Matrix: Solid
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	06/22/21 11:45	
4-Bromofluorobenzene (S)	%	99	63-121	06/22/21 11:45	

LABORATORY CONTROL SAMPLE: 2922942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	49.5	99	71-107	
4-Bromofluorobenzene (S)	%			100	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2922943 2922944

Parameter	Units	60372652009 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	50.4	50.4	41.5	42.3	81	83	29-143	2	26	
4-Bromofluorobenzene (S)	%						99	100	63-121			

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60372652

QC Batch: 727282
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652010, 60372652011, 60372652012, 60372652013

METHOD BLANK: 2921942 Matrix: Solid
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652010, 60372652011, 60372652012, 60372652013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	06/18/21 19:19	
Ethylbenzene	ug/kg	ND	5.0	06/18/21 19:19	
Toluene	ug/kg	ND	5.0	06/18/21 19:19	
Xylene (Total)	ug/kg	ND	5.0	06/18/21 19:19	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120	06/18/21 19:19	
4-Bromofluorobenzene (S)	%	105	85-115	06/18/21 19:19	
Toluene-d8 (S)	%	102	80-120	06/18/21 19:19	

LABORATORY CONTROL SAMPLE: 2921943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	99.5	99	80-120	
Ethylbenzene	ug/kg	100	102	102	80-120	
Toluene	ug/kg	100	99.9	100	80-120	
Xylene (Total)	ug/kg	300	306	102	80-120	
1,2-Dichlorobenzene-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			100	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2921944 2921945

Parameter	Units	60372652001 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	99.7	99.7	81.2	91.0	81	91	35-120	11	35	
Ethylbenzene	ug/kg	ND	99.7	99.7	79.2	91.4	79	92	35-120	14	35	
Toluene	ug/kg	ND	99.7	99.7	75.3	86.6	76	87	35-120	14	35	
Xylene (Total)	ug/kg	ND	300	300	244	276	82	92	35-120	12	35	
1,2-Dichlorobenzene-d4 (S)	%						98	98	80-120		3	
4-Bromofluorobenzene (S)	%						96	97	85-115		20	
Toluene-d8 (S)	%						98	99	80-120		20	

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60372652

QC Batch: 727450
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60372652009

METHOD BLANK: 2922758 Matrix: Solid
Associated Lab Samples: 60372652009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	06/19/21 13:09	
Ethylbenzene	ug/kg	ND	5.0	06/19/21 13:09	
Toluene	ug/kg	ND	5.0	06/19/21 13:09	
Xylene (Total)	ug/kg	ND	5.0	06/19/21 13:09	
1,2-Dichlorobenzene-d4 (S)	%	102	80-120	06/19/21 13:09	
4-Bromofluorobenzene (S)	%	102	85-115	06/19/21 13:09	
Toluene-d8 (S)	%	97	80-120	06/19/21 13:09	

LABORATORY CONTROL SAMPLE: 2922759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	96.5	97	80-120	
Ethylbenzene	ug/kg	100	104	104	80-120	
Toluene	ug/kg	100	94.4	94	80-120	
Xylene (Total)	ug/kg	300	311	104	80-120	
1,2-Dichlorobenzene-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			93	85-115	
Toluene-d8 (S)	%			97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2922760 2922761

Parameter	Units	60372738001 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	128	129	109	110	85	85	35-120	1	35	
Ethylbenzene	ug/kg	ND	128	129	109	108	85	83	35-120	1	35	
Toluene	ug/kg	ND	128	129	101	97.0	79	75	35-120	4	35	
Xylene (Total)	ug/kg	ND	385	388	325	317	85	82	35-120	3	35	
1,2-Dichlorobenzene-d4 (S)	%						99	99	80-120		3	
4-Bromofluorobenzene (S)	%						107	101	85-115		20	
Toluene-d8 (S)	%						97	94	80-120		20	

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60372652

QC Batch: 727246
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

METHOD BLANK: 2921819 Matrix: Solid
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.5	06/21/21 11:31	
TPH-ORO (C28-C35)	mg/kg	ND	9.5	06/21/21 11:31	
n-Tetracosane (S)	%	102	31-152	06/21/21 11:31	
p-Terphenyl (S)	%	110	46-130	06/21/21 11:31	

LABORATORY CONTROL SAMPLE: 2921820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	80.5	74.2	92	74-124	
n-Tetracosane (S)	%			91	31-152	
p-Terphenyl (S)	%			102	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2921821 2921822

Parameter	Units	60372652001 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	124	123	110	109	84	84	30-130	0	35	
n-Tetracosane (S)	%						93	93	31-152			
p-Terphenyl (S)	%						103	104	46-130			

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60372652

QC Batch: 727293
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

METHOD BLANK: 2921965
Matrix: Solid
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	06/18/21 13:53	

SAMPLE DUPLICATE: 2921966

Parameter	Units	60372479015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.3	17.4	0	20	

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60372652

QC Batch: 727249 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

METHOD BLANK: 2921829 — Matrix: Solid
Associated Lab Samples: 60372652001, 60372652002, 60372652003, 60372652004, 60372652005, 60372652006, 60372652007, 60372652008, 60372652009, 60372652010, 60372652011, 60372652012, 60372652013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	06/18/21 20:01	

LABORATORY CONTROL SAMPLE: 2921830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	538	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2921831 2921832

Parameter	Units	60372652001 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	508	508	512	509	93	92	80-120	1	15	

SAMPLE DUPLICATE: 2921833

Parameter	Units	60372652002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	ND		15	

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QUALIFIERS

Project: MCA 1-A HEADER
Pace Project No.: 60372652

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60372652001	**NSW-1**	EPA 3546	727246	EPA 8015B	727451
60372652002	**SSW-1**	EPA 3546	727246	EPA 8015B	727451
60372652003	**ESW-1**	EPA 3546	727246	EPA 8015B	727451
60372652004	**ESW-2**	EPA 3546	727246	EPA 8015B	727451
60372652005	**ESW-3**	EPA 3546	727246	EPA 8015B	727451
60372652006	**ESW-4**	EPA 3546	727246	EPA 8015B	727451
60372652007	**ESW-5**	EPA 3546	727246	EPA 8015B	727451
60372652008	**ESW-6**	EPA 3546	727246	EPA 8015B	727451
60372652009	**WSW-1**	EPA 3546	727246	EPA 8015B	727451
60372652010	**WSW-2**	EPA 3546	727246	EPA 8015B	727451
60372652011	**WSW-3**	EPA 3546	727246	EPA 8015B	727451
60372652012	**WSW-4**	EPA 3546	727246	EPA 8015B	727451
60372652013	**WSW-5**	EPA 3546	727246	EPA 8015B	727451
60372652001	**NSW-1**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652002	**SSW-1**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652003	**ESW-1**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652004	**ESW-2**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652005	**ESW-3**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652006	**ESW-4**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652007	**ESW-5**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652008	**ESW-6**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652009	**WSW-1**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652010	**WSW-2**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652011	**WSW-3**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652012	**WSW-4**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652013	**WSW-5**	EPA 5035A/5030B	727548	EPA 8015B	727778
60372652001	**NSW-1**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652002	**SSW-1**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652003	**ESW-1**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652004	**ESW-2**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652005	**ESW-3**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652006	**ESW-4**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652007	**ESW-5**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652008	**ESW-6**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652009	**WSW-1**	EPA 5035A/5030	727450	EPA 8260B	727454
60372652010	**WSW-2**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652011	**WSW-3**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652012	**WSW-4**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652013	**WSW-5**	EPA 5035A/5030	727282	EPA 8260B	727400
60372652001	**NSW-1**	ASTM D2974	727293		
60372652002	**SSW-1**	ASTM D2974	727293		
60372652003	**ESW-1**	ASTM D2974	727293		
60372652004	**ESW-2**	ASTM D2974	727293		
60372652005	**ESW-3**	ASTM D2974	727293		
60372652006	**ESW-4**	ASTM D2974	727293		
60372652007	**ESW-5**	ASTM D2974	727293		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCA 1-A HEADER
Pace Project No.: 60372652

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60372652008	**ESW-6**	ASTM D2974	727293		
60372652009	**WSW-1**	ASTM D2974	727293		
60372652010	**WSW-2**	ASTM D2974	727293		
60372652011	**WSW-3**	ASTM D2974	727293		
60372652012	**WSW-4**	ASTM D2974	727293		
60372652013	**WSW-5**	ASTM D2974	727293		
60372652001	**NSW-1**	EPA 9056	727249	EPA 9056	727605
60372652002	**SSW-1**	EPA 9056	727249	EPA 9056	727605
60372652003	**ESW-1**	EPA 9056	727249	EPA 9056	727605
60372652004	**ESW-2**	EPA 9056	727249	EPA 9056	727605
60372652005	**ESW-3**	EPA 9056	727249	EPA 9056	727605
60372652006	**ESW-4**	EPA 9056	727249	EPA 9056	727605
60372652007	**ESW-5**	EPA 9056	727249	EPA 9056	727605
60372652008	**ESW-6**	EPA 9056	727249	EPA 9056	727605
60372652009	**WSW-1**	EPA 9056	727249	EPA 9056	727605
60372652010	**WSW-2**	EPA 9056	727249	EPA 9056	727605
60372652011	**WSW-3**	EPA 9056	727249	EPA 9056	727605
60372652012	**WSW-4**	EPA 9056	727249	EPA 9056	727605
60372652013	**WSW-5**	EPA 9056	727249	EPA 9056	727605

Pace Analytical www.pacelabs.com

Sample Condition Upon Receipt

WO# : 60372652

60372652

Client Name: Tetra Tech Conoco Phillips

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

Tracking #: 5002 0648 8783 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 1.9 Corr. Factor 0.0 Corrected 1.9

Date and initials of person examining contents: 6/18 ML

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	· no times on containers
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	☑Yes ☐No ☐N/A	midland
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.

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

6037265Z

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA 1-A Header	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: (512) 739-7874
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02511
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	NSW-1	6/16/2021	10:15		X				X			1	N	X		X												X						
	SSW-1	6/16/2021	10:20		X				X			1	N	X		X												X						
	ESW-1	6/16/2021	10:25		X				X			1	N	X		X												X						
	ESW-2	6/16/2021	10:30		X				X			1	N	X		X												X						
	ESW-3	6/16/2021	10:35		X				X			1	N	X		X												X						
	ESW-4	6/16/2021	10:40		X				X			1	N	X		X												X						
	ESW-5	6/16/2021	10:45		X				X			1	N	X		X												X						
	ESW-6	6/16/2021	10:50		X				X			1	N	X		X												X						
	WSW-1	6/16/2021	10:55		X				X			1	N	X		X												X						
	WSW-2	6/16/2021	11:00		X				X			1	N	X		X												X						

Relinquished by: John Thurston	Date: 6/17/21	Time: 1000	Received by: K Dawson/Pace 1.4°C	Date: 6/18/21 Time: 0820
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

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

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-

60372652

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA 1-A Header	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: (512) 739-7874
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02511
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	WSW-3	6/16/2021	12:30		X				X			1	N	X		X												X				
	WSW-4	6/16/2021	12:35		X				X			1	N	X		X												X				
	WSW-5	6/16/2021	12:40		X				X			1	N	X		X												X				

Relinquished by:	Date:	Time:	Received by:	Date: Time:
[signature]	6/17/21	1000	[signature] 1.9 °C	6/18/21 0820
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

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

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

June 25, 2021

Sam Abbott
Tetra Tech, Inc
8911 N Capital of Texas Hwy
#2310
Austin, TX 78759

RE: Project: MCA 1-A HEADER
Pace Project No.: 60373101

Dear Sam Abbott:

Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 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: John Thurston, Tetra Tech-Houston TX

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

CERTIFICATIONS

Project: MCA 1-A HEADER
Pace Project No.: 60373101

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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9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60373101001	**WSW-5 (1')**	Solid	06/23/21 10:15	06/24/21 08:35
60373101002	**FS-2**	Solid	06/23/21 10:20	06/24/21 08:35
60373101003	**FS-3**	Solid	06/23/21 10:25	06/24/21 08:35
60373101004	**FS-4**	Solid	06/23/21 10:30	06/24/21 08:35

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SAMPLE ANALYTE COUNT

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60373101001	**WSW-5 (1')**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373101002	**FS-2**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373101003	**FS-3**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373101004	**FS-4**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Sample: WSW-5 (1') **Lab ID: 60373101001** Collected: 06/23/21 10:15 Received: 06/24/21 08:35 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	06/24/21 11:05	06/25/21 10:59		
TPH-ORO (C28-C35)	ND	mg/kg	10.0	1	06/24/21 11:05	06/25/21 10:59		
Surrogates								
n-Tetracosane (S)	90	%	31-152	1	06/24/21 11:05	06/25/21 10:59	646-31-1	
p-Terphenyl (S)	94	%	46-130	1	06/24/21 11:05	06/25/21 10:59	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	8.9	1	06/24/21 17:45	06/24/21 20:27		
Surrogates								
4-Bromofluorobenzene (S)	97	%	63-121	1	06/24/21 17:45	06/24/21 20:27	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 13:16	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 13:16	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 13:16	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 13:16	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	06/24/21 10:40	06/24/21 13:16	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1	06/24/21 10:40	06/24/21 13:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 13:16	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**0.63**	%	0.50	1		06/24/21 10:40		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	96.8	10	06/24/21 09:03	06/25/21 02:03	16887-00-6	

Sample: FS-2 **Lab ID: 60373101002** Collected: 06/23/21 10:20 Received: 06/24/21 08:35 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)	**2560**	mg/kg	99.0	10	06/24/21 11:05	06/25/21 11:24		
TPH-ORO (C28-C35)	**1190**	mg/kg	99.0	10	06/24/21 11:05	06/25/21 11:24		
Surrogates								
n-Tetracosane (S)	0	%	31-152	10	06/24/21 11:05	06/25/21 11:24	646-31-1	S4
p-Terphenyl (S)	0	%	46-130	10	06/24/21 11:05	06/25/21 11:24	92-94-4	S4

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Sample: FS-2 **Lab ID: 60373101002** Collected: 06/23/21 10:20 Received: 06/24/21 08:35 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	9.9	1	06/24/21 17:45	06/25/21 00:27		
Surrogates								
4-Bromofluorobenzene (S)	93	%	63-121	1	06/24/21 17:45	06/25/21 00:27	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	260	1	06/25/21 07:45	06/25/21 08:56	71-43-2	
Ethylbenzene	ND	ug/kg	260	1	06/25/21 07:45	06/25/21 08:56	100-41-4	
Toluene	ND	ug/kg	260	1	06/25/21 07:45	06/25/21 08:56	108-88-3	
Xylene (Total)	ND	ug/kg	260	1	06/25/21 07:45	06/25/21 08:56	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/25/21 07:45	06/25/21 08:56	2037-26-5	D3
4-Bromofluorobenzene (S)	101	%	83-119	1	06/25/21 07:45	06/25/21 08:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%		1	06/25/21 07:45	06/25/21 08:56	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**2.6**	%	0.50	1		06/24/21 10:40		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	105	10	06/24/21 09:03	06/25/21 03:30	16887-00-6	

Sample: FS-3 **Lab ID: 60373101003** Collected: 06/23/21 10:25 Received: 06/24/21 08:35 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	9.7	1	06/24/21 11:05	06/25/21 12:55		
TPH-ORO (C28-C35)	ND	mg/kg	9.7	1	06/24/21 11:05	06/25/21 12:55		
Surrogates								
n-Tetracosane (S)	89	%	31-152	1	06/24/21 11:05	06/25/21 12:55	646-31-1	
p-Terphenyl (S)	96	%	46-130	1	06/24/21 11:05	06/25/21 12:55	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	9.6	1	06/24/21 17:45	06/24/21 20:47		
Surrogates								
4-Bromofluorobenzene (S)	96	%	63-121	1	06/24/21 17:45	06/24/21 20:47	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Sample: FS-3 **Lab ID: 60373101003** Collected: 06/23/21 10:25 Received: 06/24/21 08:35 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	262	1	06/25/21 07:45	06/25/21 09:11	71-43-2	
Ethylbenzene	ND	ug/kg	262	1	06/25/21 07:45	06/25/21 09:11	100-41-4	
Toluene	ND	ug/kg	262	1	06/25/21 07:45	06/25/21 09:11	108-88-3	
Xylene (Total)	ND	ug/kg	262	1	06/25/21 07:45	06/25/21 09:11	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/25/21 07:45	06/25/21 09:11	2037-26-5	D3
4-Bromofluorobenzene (S)	105	%	83-119	1	06/25/21 07:45	06/25/21 09:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%		1	06/25/21 07:45	06/25/21 09:11	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**2.9**	%	0.50	1		06/24/21 10:40		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	101	10	06/24/21 09:03	06/25/21 04:05	16887-00-6	

Sample: FS-4 **Lab ID: 60373101004** Collected: 06/23/21 10:30 Received: 06/24/21 08:35 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	9.7	1	06/24/21 11:05	06/25/21 11:41		
TPH-ORO (C28-C35)	ND	mg/kg	9.7	1	06/24/21 11:05	06/25/21 11:41		
Surrogates								
n-Tetracosane (S)	88	%	31-152	1	06/24/21 11:05	06/25/21 11:41	646-31-1	
p-Terphenyl (S)	94	%	46-130	1	06/24/21 11:05	06/25/21 11:41	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	9.6	1	06/24/21 17:45	06/24/21 21:06		
Surrogates								
4-Bromofluorobenzene (S)	96	%	63-121	1	06/24/21 17:45	06/24/21 21:06	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 14:03	71-43-2	
Ethylbenzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 14:03	100-41-4	
Toluene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 14:03	108-88-3	
Xylene (Total)	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 14:03	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 14:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Sample: FS-4 **Lab ID: 60373101004** Collected: 06/23/21 10:30 Received: 06/24/21 08:35 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	104	%	80-120	1	06/24/21 10:40	06/24/21 14:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 14:03	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**1.5**	%	0.50	1		06/24/21 10:40		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	99.5	10	06/24/21 09:03	06/25/21 04:22	16887-00-6	

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373101

QC Batch: 728408 — Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B — Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

METHOD BLANK: 2925809 Matrix: Solid
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	06/24/21 19:27	
4-Bromofluorobenzene (S)	%	95	63-121	06/24/21 19:27	

LABORATORY CONTROL SAMPLE: 2925810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	50.4	101	71-107	
4-Bromofluorobenzene (S)	%			99	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925811 2925812

Parameter	Units	60373103005 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	51.5	51.2	38.0	43.7	69	81	29-143	14	26	
4-Bromofluorobenzene (S)	%						98	96	63-121			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373101

QC Batch: 728413
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373101001, 60373101004

METHOD BLANK: 2925835 Matrix: Solid
Associated Lab Samples: 60373101001, 60373101004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	06/24/21 13:01	
Ethylbenzene	ug/kg	ND	5.0	06/24/21 13:01	
Toluene	ug/kg	ND	5.0	06/24/21 13:01	
Xylene (Total)	ug/kg	ND	5.0	06/24/21 13:01	
1,2-Dichlorobenzene-d4 (S)	%	102	80-120	06/24/21 13:01	
4-Bromofluorobenzene (S)	%	103	85-115	06/24/21 13:01	
Toluene-d8 (S)	%	99	80-120	06/24/21 13:01	

LABORATORY CONTROL SAMPLE: 2925836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	101	101	80-120	
Ethylbenzene	ug/kg	100	98.9	99	80-120	
Toluene	ug/kg	100	97.5	98	80-120	
Xylene (Total)	ug/kg	300	296	99	80-120	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			100	85-115	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925837 2925838

Parameter	Units	60372659003 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	117	115	87.8	95.8	75	83	35-120	9	35	
Ethylbenzene	ug/kg	ND	117	115	79.2	86.2	67	74	35-120	8	35	
Toluene	ug/kg	ND	117	115	83.1	90.2	70	77	35-120	8	35	
Xylene (Total)	ug/kg	ND	350	346	238	256	68	74	35-120	7	35	
1,2-Dichlorobenzene-d4 (S)	%						101	101	80-120		3	
4-Bromofluorobenzene (S)	%						101	99	85-115		20	
Toluene-d8 (S)	%						99	99	80-120		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: MCA 1-A HEADER
Pace Project No.: 60373101

QC Batch: 728573
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373101002, 60373101003

METHOD BLANK: 2926509 Matrix: Solid
Associated Lab Samples: 60373101002, 60373101003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	250	06/25/21 08:40	
Ethylbenzene	ug/kg	ND	250	06/25/21 08:40	
Toluene	ug/kg	ND	250	06/25/21 08:40	
Xylene (Total)	ug/kg	ND	250	06/25/21 08:40	
1,2-Dichlorobenzene-d4 (S)	%	101		06/25/21 08:40	
4-Bromofluorobenzene (S)	%	104	83-119	06/25/21 08:40	
Toluene-d8 (S)	%	99	80-120	06/25/21 08:40	

LABORATORY CONTROL SAMPLE: 2926510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	5000	4510	90	73-117	
Ethylbenzene	ug/kg	5000	4670	93	73-121	
Toluene	ug/kg	5000	4500	90	77-119	
Xylene (Total)	ug/kg	15000	13700	92	76-119	
1,2-Dichlorobenzene-d4 (S)	%			101		
4-Bromofluorobenzene (S)	%			96	83-119	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926511 2926512

Parameter	Units	60373103004 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	5070	5070	4730	4780	93	94	17-134	1	53	
Ethylbenzene	ug/kg	ND	5070	5070	4920	5050	97	100	10-137	3	60	
Toluene	ug/kg	ND	5070	5070	4770	4920	94	97	13-131	3	60	
Xylene (Total)	ug/kg	ND	15300	15300	14600	14800	96	98	10-137	2	58	
1,2-Dichlorobenzene-d4 (S)	%						99	100				
4-Bromofluorobenzene (S)	%						101	102	83-119			
Toluene-d8 (S)	%						101	100	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373101

QC Batch: 728402 — Analysis Method: EPA 8015B
QC Batch Method: EPA 3546 — Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

METHOD BLANK: 2925757 — Matrix: Solid
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.8	06/25/21 10:43	
TPH-ORO (C28-C35)	mg/kg	ND	9.8	06/25/21 10:43	
n-Tetracosane (S)	%	106	31-152	06/25/21 10:43	
p-Terphenyl (S)	%	112	46-130	06/25/21 10:43	

LABORATORY CONTROL SAMPLE: 2925758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	81.9	75.2	92	74-124	
n-Tetracosane (S)	%			107	31-152	
p-Terphenyl (S)	%			116	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925759 2925760

Parameter	Units	60373101001 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	83.7	80.7	75.0	75.4	87	91	30-130	1	35	
n-Tetracosane (S)	%						99	103	31-152			
p-Terphenyl (S)	%						107	109	46-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373101

QC Batch: 728415 | Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 | Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

METHOD BLANK: 2925848 Matrix: Solid
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	06/24/21 10:40	

SAMPLE DUPLICATE: 2925849

Parameter	Units	60373101001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.63	0.72	13	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373101

QC Batch: 728416 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

METHOD BLANK: 2925878 — Matrix: Solid
Associated Lab Samples: 60373101001, 60373101002, 60373101003, 60373101004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	06/25/21 01:29	

LABORATORY CONTROL SAMPLE: 2925879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	514	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925880 2925881

Parameter	Units	60373101001 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	491	491	506	507	95	95	80-120	0	15	

SAMPLE DUPLICATE: 2925882

Parameter	Units	60373101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	46.7J		15	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MCA 1-A HEADER
Pace Project No.: 60373101

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

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCA 1-A HEADER
Pace Project No.: 60373101

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60373101001	**WSW-5 (1')**	EPA 3546	728402	EPA 8015B	728660
60373101002	**FS-2**	EPA 3546	728402	EPA 8015B	728660
60373101003	**FS-3**	EPA 3546	728402	EPA 8015B	728660
60373101004	**FS-4**	EPA 3546	728402	EPA 8015B	728660
60373101001	**WSW-5 (1')**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373101002	**FS-2**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373101003	**FS-3**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373101004	**FS-4**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373101001	**WSW-5 (1')**	EPA 5035A/5030	728413	EPA 8260B	728468
60373101004	**FS-4**	EPA 5035A/5030	728413	EPA 8260B	728468
60373101002	**FS-2**	EPA 5035A/5030B	728573	EPA 8260B	728576
60373101003	**FS-3**	EPA 5035A/5030B	728573	EPA 8260B	728576
60373101001	**WSW-5 (1')**	ASTM D2974	728415		
60373101002	**FS-2**	ASTM D2974	728415		
60373101003	**FS-3**	ASTM D2974	728415		
60373101004	**FS-4**	ASTM D2974	728415		
60373101001	**WSW-5 (1')**	EPA 9056	728416	EPA 9056	728621
60373101002	**FS-2**	EPA 9056	728416	EPA 9056	728621
60373101003	**FS-3**	EPA 9056	728416	EPA 9056	728621
60373101004	**FS-4**	EPA 9056	728416	EPA 9056	728621

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Sample Condition Upon Receipt

WO#: 60373101

60373101

Client Name: ConocoPhillips

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

Tracking #: 500206488794 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** 1.1 **Corr. Factor** 0.0 **Corrected** 1.1

Date and initials of person examining contents: 8/24/21 SR

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 Hour
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	No collection time on Samples
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) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐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

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-

6037301

Client Name:	Conoco Phillips	Site Manager:	Sam Abbott
Project Name:	MCA 1-A Header	Contact Info:	Email: sam.abbott@tetratech.com Phone: (512) 739-7874
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-02511
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/825	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	WSW-5 (1')	6/23/2021	10:15		X				X			1	N	X		X												X				
	FS-2	6/23/2021	10:20		X				X			1	N	X		X												X				
	FS-3	6/23/2021	10:25		X				X			1	N	X		X												X				
	FS-4	6/23/2021	10:30		X				X			1	N	X		X												X				

	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
		6/23/21	1500	Tracy Fowler/pasi	6/24/21	0835
	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 1.1 °

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
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Lenexa, KS 66219
(913)599-5665

June 25, 2021

Sam Abbott
Tetra Tech, Inc
8911 N Capital of Texas Hwy
#2310
Austin, TX 78759

RE: Project: MCA 1-A HEADER
Pace Project No.: 60373103

Dear Sam Abbott:

Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 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: John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
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CERTIFICATIONS

Project: MCA 1-A HEADER
Pace Project No.: 60373103

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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SAMPLE SUMMARY

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60373103001	**ESW-1 (6')**	Solid	06/22/21 10:15	06/24/21 08:35
60373103002	**FS-5**	Solid	06/22/21 10:20	06/24/21 08:35
60373103003	**FS-6**	Solid	06/22/21 10:25	06/24/21 08:35
60373103004	**FS-7**	Solid	06/22/21 10:30	06/24/21 08:35
60373103005	**FS-8**	Solid	06/22/21 10:35	06/24/21 08:35

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SAMPLE ANALYTE COUNT

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60373103001	**ESW-1 (6')**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373103002	**FS-5**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373103003	**FS-6**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373103004	**FS-7**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373103005	**FS-8**	EPA 8015B	WNM	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Sample: ESW-1 (6') **Lab ID: 60373103001** Collected: 06/22/21 10:15 Received: 06/24/21 08:35 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	06/24/21 11:05	06/25/21 11:49		
TPH-ORO (C28-C35)	ND	mg/kg	10.1	1	06/24/21 11:05	06/25/21 11:49		
Surrogates								
n-Tetracosane (S)	77	%	31-152	1	06/24/21 11:05	06/25/21 11:49	646-31-1	
p-Terphenyl (S)	83	%	46-130	1	06/24/21 11:05	06/25/21 11:49	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	06/24/21 17:45	06/24/21 21:27		
Surrogates								
4-Bromofluorobenzene (S)	95	%	63-121	1	06/24/21 17:45	06/24/21 21:27	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 16:24	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 16:24	100-41-4	
Toluene	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 16:24	108-88-3	
Xylene (Total)	ND	ug/kg	5.0	1	06/24/21 10:40	06/24/21 16:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/24/21 10:40	06/24/21 16:24	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 16:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	06/24/21 10:40	06/24/21 16:24	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**2.4**	%	0.50	1		06/24/21 10:40		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	102	10	06/24/21 09:03	06/25/21 04:40	16887-00-6	

Sample: FS-5 **Lab ID: 60373103002** Collected: 06/22/21 10:20 Received: 06/24/21 08:35 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	06/24/21 11:05	06/25/21 11:57		
TPH-ORO (C28-C35)	ND	mg/kg	10.0	1	06/24/21 11:05	06/25/21 11:57		
Surrogates								
n-Tetracosane (S)	74	%	31-152	1	06/24/21 11:05	06/25/21 11:57	646-31-1	
p-Terphenyl (S)	79	%	46-130	1	06/24/21 11:05	06/25/21 11:57	92-94-4	

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Sample: FS-5 **Lab ID: 60373103002** Collected: 06/22/21 10:20 Received: 06/24/21 08:35 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	10.3	1	06/24/21 17:45	06/24/21 21:47		
Surrogates								
4-Bromofluorobenzene (S)	94	%	63-121	1	06/24/21 17:45	06/24/21 21:47	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:39	71-43-2	
Ethylbenzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:39	100-41-4	
Toluene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:39	108-88-3	
Xylene (Total)	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:39	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/24/21 10:40	06/24/21 16:39	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1	06/24/21 10:40	06/24/21 16:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 16:39	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**3.2**	%	0.50	1		06/24/21 10:41		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	103	10	06/24/21 09:03	06/25/21 04:57	16887-00-6	

Sample: FS-6 **Lab ID: 60373103003** Collected: 06/22/21 10:25 Received: 06/24/21 08:35 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)	**3180**	mg/kg	96.6	10	06/24/21 11:05	06/25/21 12:05		
TPH-ORO (C28-C35)	**940**	mg/kg	96.6	10	06/24/21 11:05	06/25/21 12:05		
Surrogates								
n-Tetracosane (S)	0	%	31-152	10	06/24/21 11:05	06/25/21 12:05	646-31-1	S4
p-Terphenyl (S)	0	%	46-130	10	06/24/21 11:05	06/25/21 12:05	92-94-4	S4
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.2	1	06/24/21 17:45	06/25/21 01:07		
Surrogates								
4-Bromofluorobenzene (S)	96	%	63-121	1	06/24/21 17:45	06/25/21 01:07	460-00-4	

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Sample: FS-6 **Lab ID: 60373103003** Collected: 06/22/21 10:25 Received: 06/24/21 08:35 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:55	71-43-2	
Ethylbenzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:55	100-41-4	
Toluene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:55	108-88-3	
Xylene (Total)	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 16:55	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-120	1	06/24/21 10:40	06/24/21 16:55	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1	06/24/21 10:40	06/24/21 16:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 16:55	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**2.8**	%	0.50	1		06/24/21 10:41		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
	Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	97.0	10	06/24/21 09:03	06/25/21 05:14	16887-00-6	

Sample: FS-7 **Lab ID: 60373103004** Collected: 06/22/21 10:30 Received: 06/24/21 08:35 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)	**5120**	mg/kg	101	10	06/24/21 11:05	06/25/21 12:14		
TPH-ORO (C28-C35)	**1600**	mg/kg	101	10	06/24/21 11:05	06/25/21 12:14		
Surrogates								
n-Tetracosane (S)	0	%	31-152	10	06/24/21 11:05	06/25/21 12:14	646-31-1	S4
p-Terphenyl (S)	0	%	46-130	10	06/24/21 11:05	06/25/21 12:14	92-94-4	S4
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.2	1	06/24/21 17:45	06/25/21 01:47		
Surrogates								
4-Bromofluorobenzene (S)	93	%	63-121	1	06/24/21 17:45	06/25/21 01:47	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	254	1	06/25/21 07:45	06/25/21 09:27	71-43-2	
Ethylbenzene	ND	ug/kg	254	1	06/25/21 07:45	06/25/21 09:27	100-41-4	
Toluene	ND	ug/kg	254	1	06/25/21 07:45	06/25/21 09:27	108-88-3	
Xylene (Total)	ND	ug/kg	254	1	06/25/21 07:45	06/25/21 09:27	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/25/21 07:45	06/25/21 09:27	2037-26-5	D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Sample: FS-7 **Lab ID: 60373103004** Collected: 06/22/21 10:30 Received: 06/24/21 08:35 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
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Surrogates								
4-Bromofluorobenzene (S)	98	%	83-119	1	06/25/21 07:45	06/25/21 09:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%		1	06/25/21 07:45	06/25/21 09:27	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**1.0**	%	0.50	1		06/24/21 10:41		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**621**	mg/kg	104	10	06/24/21 09:03	06/25/21 05:32	16887-00-6	

Sample: FS-8 **Lab ID: 60373103005** Collected: 06/22/21 10:35 Received: 06/24/21 08:35 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	9.9	1	06/24/21 11:05	06/25/21 13:04		
TPH-ORO (C28-C35)	ND	mg/kg	9.9	1	06/24/21 11:05	06/25/21 13:04		
Surrogates								
n-Tetracosane (S)	93	%	31-152	1	06/24/21 11:05	06/25/21 13:04	646-31-1	
p-Terphenyl (S)	99	%	46-130	1	06/24/21 11:05	06/25/21 13:04	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	10.2	1	06/24/21 17:45	06/24/21 22:47		
Surrogates								
4-Bromofluorobenzene (S)	98	%	63-121	1	06/24/21 17:45	06/24/21 22:47	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 17:10	71-43-2	
Ethylbenzene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 17:10	100-41-4	
Toluene	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 17:10	108-88-3	
Xylene (Total)	ND	ug/kg	5.1	1	06/24/21 10:40	06/24/21 17:10	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	06/24/21 10:40	06/24/21 17:10	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1	06/24/21 10:40	06/24/21 17:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	06/24/21 10:40	06/24/21 17:10	2199-69-1	

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Sample: FS-8 **Lab ID: 60373103005** Collected: 06/22/21 10:35 Received: 06/24/21 08:35 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	**2.5**	%	0.50	1		06/24/21 10:41		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	105	10	06/24/21 09:03	06/25/21 06:24	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373103

QC Batch: 728408 — Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B — Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

METHOD BLANK: 2925809 — Matrix: Solid
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	06/24/21 19:27	
4-Bromofluorobenzene (S)	%	95	63-121	06/24/21 19:27	

LABORATORY CONTROL SAMPLE: 2925810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	50.4	101	71-107	
4-Bromofluorobenzene (S)	%			99	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925811 2925812

Parameter	Units	60373103005 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	51.5	51.2	38.0	43.7	69	81	29-143	14	26	
4-Bromofluorobenzene (S)	%						98	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

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373103

QC Batch: 728413
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103005

METHOD BLANK: 2925835 Matrix: Solid
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	06/24/21 13:01	
Ethylbenzene	ug/kg	ND	5.0	06/24/21 13:01	
Toluene	ug/kg	ND	5.0	06/24/21 13:01	
Xylene (Total)	ug/kg	ND	5.0	06/24/21 13:01	
1,2-Dichlorobenzene-d4 (S)	%	102	80-120	06/24/21 13:01	
4-Bromofluorobenzene (S)	%	103	85-115	06/24/21 13:01	
Toluene-d8 (S)	%	99	80-120	06/24/21 13:01	

LABORATORY CONTROL SAMPLE: 2925836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	101	101	80-120	
Ethylbenzene	ug/kg	100	98.9	99	80-120	
Toluene	ug/kg	100	97.5	98	80-120	
Xylene (Total)	ug/kg	300	296	99	80-120	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			100	85-115	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925837 2925838

Parameter	Units	60372659003 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	117	115	87.8	95.8	75	83	35-120	9	35	
Ethylbenzene	ug/kg	ND	117	115	79.2	86.2	67	74	35-120	8	35	
Toluene	ug/kg	ND	117	115	83.1	90.2	70	77	35-120	8	35	
Xylene (Total)	ug/kg	ND	350	346	238	256	68	74	35-120	7	35	
1,2-Dichlorobenzene-d4 (S)	%						101	101	80-120		3	
4-Bromofluorobenzene (S)	%						101	99	85-115		20	
Toluene-d8 (S)	%						99	99	80-120		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: MCA 1-A HEADER
Pace Project No.: 60373103

QC Batch: 728573
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60373103004

METHOD BLANK: 2926509 Matrix: Solid
Associated Lab Samples: 60373103004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	250	06/25/21 08:40	
Ethylbenzene	ug/kg	ND	250	06/25/21 08:40	
Toluene	ug/kg	ND	250	06/25/21 08:40	
Xylene (Total)	ug/kg	ND	250	06/25/21 08:40	
1,2-Dichlorobenzene-d4 (S)	%	101		06/25/21 08:40	
4-Bromofluorobenzene (S)	%	104	83-119	06/25/21 08:40	
Toluene-d8 (S)	%	99	80-120	06/25/21 08:40	

LABORATORY CONTROL SAMPLE: 2926510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	5000	4510	90	73-117	
Ethylbenzene	ug/kg	5000	4670	93	73-121	
Toluene	ug/kg	5000	4500	90	77-119	
Xylene (Total)	ug/kg	15000	13700	92	76-119	
1,2-Dichlorobenzene-d4 (S)	%			101		
4-Bromofluorobenzene (S)	%			96	83-119	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926511 2926512

Parameter	Units	60373103004 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	5070	5070	4730	4780	93	94	17-134	1	53	
Ethylbenzene	ug/kg	ND	5070	5070	4920	5050	97	100	10-137	3	60	
Toluene	ug/kg	ND	5070	5070	4770	4920	94	97	13-131	3	60	
Xylene (Total)	ug/kg	ND	15300	15300	14600	14800	96	98	10-137	2	58	
1,2-Dichlorobenzene-d4 (S)	%						99	100				
4-Bromofluorobenzene (S)	%						101	102	83-119			
Toluene-d8 (S)	%						101	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.

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373103

QC Batch: 728402 — Analysis Method: EPA 8015B
QC Batch Method: EPA 3546 — Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

METHOD BLANK: 2925757 — Matrix: Solid
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.8	06/25/21 10:43	
TPH-ORO (C28-C35)	mg/kg	ND	9.8	06/25/21 10:43	
n-Tetracosane (S)	%	106	31-152	06/25/21 10:43	
p-Terphenyl (S)	%	112	46-130	06/25/21 10:43	

LABORATORY CONTROL SAMPLE: 2925758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	81.9	75.2	92	74-124	
n-Tetracosane (S)	%			107	31-152	
p-Terphenyl (S)	%			116	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925759 2925760

Parameter	Units	60373101001 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	83.7	80.7	75.0	75.4	87	91	30-130	1	35	
n-Tetracosane (S)	%						99	103	31-152			
p-Terphenyl (S)	%						107	109	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: MCA 1-A HEADER
Pace Project No.: 60373103

QC Batch: 728415
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

METHOD BLANK: 2925848 Matrix: Solid
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	06/24/21 10:40	

SAMPLE DUPLICATE: 2925849

Parameter	Units	60373101001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.63	0.72	13	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373103

QC Batch: 728416 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

METHOD BLANK: 2925878 — Matrix: Solid
Associated Lab Samples: 60373103001, 60373103002, 60373103003, 60373103004, 60373103005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	06/25/21 01:29	

LABORATORY CONTROL SAMPLE: 2925879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	514	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925880 2925881

Parameter	Units	60373101001 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	491	491	506	507	95	95	80-120	0	15	

SAMPLE DUPLICATE: 2925882

Parameter	Units	60373101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	46.7J		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: MCA 1-A HEADER
Pace Project No.: 60373103

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

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCA 1-A HEADER
Pace Project No.: 60373103

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60373103001	**ESW-1 (6')**	EPA 3546	728402	EPA 8015B	728660
60373103002	**FS-5**	EPA 3546	728402	EPA 8015B	728660
60373103003	**FS-6**	EPA 3546	728402	EPA 8015B	728660
60373103004	**FS-7**	EPA 3546	728402	EPA 8015B	728660
60373103005	**FS-8**	EPA 3546	728402	EPA 8015B	728660
60373103001	**ESW-1 (6')**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373103002	**FS-5**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373103003	**FS-6**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373103004	**FS-7**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373103005	**FS-8**	EPA 5035A/5030B	728408	EPA 8015B	728556
60373103001	**ESW-1 (6')**	EPA 5035A/5030	728413	EPA 8260B	728468
60373103002	**FS-5**	EPA 5035A/5030	728413	EPA 8260B	728468
60373103003	**FS-6**	EPA 5035A/5030	728413	EPA 8260B	728468
60373103005	**FS-8**	EPA 5035A/5030	728413	EPA 8260B	728468
60373103004	**FS-7**	EPA 5035A/5030B	728573	EPA 8260B	728576
60373103001	**ESW-1 (6')**	ASTM D2974	728415		
60373103002	**FS-5**	ASTM D2974	728415		
60373103003	**FS-6**	ASTM D2974	728415		
60373103004	**FS-7**	ASTM D2974	728415		
60373103005	**FS-8**	ASTM D2974	728415		
60373103001	**ESW-1 (6')**	EPA 9056	728416	EPA 9056	728621
60373103002	**FS-5**	EPA 9056	728416	EPA 9056	728621
60373103003	**FS-6**	EPA 9056	728416	EPA 9056	728621
60373103004	**FS-7**	EPA 9056	728416	EPA 9056	728621
60373103005	**FS-8**	EPA 9056	728416	EPA 9056	728621

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Sample Condition Upon Receipt

WO# : 60373103

60373103

Client Name: Tetra Tech Conoco Phillips

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

Tracking #: 5002 0648 8761 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** 3.4 **Corr. Factor** 0.0 **Corrected** 3.4

Date and initials of person examining contents: 8/24/21 SR

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 Hour
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	Collection time not on samples
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:	☐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.

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

60373103

Client Name:	Conoco Phillips	Site Manager:	Sam Abbott
Project Name:	MCA 1-A Header	Contact Info:	Email: sam.abbott@tetratech.com Phone: (512) 739-7874
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-02511
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
		YEAR: 2021																														
	ESW-1 (6')	6/22/2021	10:15		X				X			1	N	X		X				1-JGFC								X				
	FS-5	6/22/2021	10:20		X				X			1	N	X		X												X				
	FS-6	6/22/2021	10:25		X				X			1	N	X		X												X				
	FS-7	6/22/2021	10:30		X				X			1	N	X		X												X				
	FS-8	6/22/2021	10:35		X				X			1	N	X		X												X				

Relinquished by:	Date: 6/23/21	Time: 0900	Received by: Date: 6/24/21 Time: 0835
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 3.4°

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

June 29, 2021

Sam Abbott
Tetra Tech, Inc
8911 N Capital of Texas Hwy
#2310
Austin, TX 78759

RE: Project: MCA 1-A HEADER
Pace Project No.: 60373379

Dear Sam Abbott:

Enclosed are the analytical results for sample(s) received by the laboratory on June 26, 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,

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

Enclosures

cc: John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: MCA 1-A HEADER
Pace Project No.: 60373379

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
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(913)599-5665

SAMPLE SUMMARY

Project: MCA 1-A HEADER
Pace Project No.: 60373379

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60373379001	**FS-1**	Solid	06/24/21 10:15	06/26/21 08:40
60373379002	**FS-9**	Solid	06/24/21 10:20	06/26/21 08:40

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SAMPLE ANALYTE COUNT

Project: MCA 1-A HEADER
Pace Project No.: 60373379

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60373379001	**FS-1**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60373379002	**FS-9**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373379

Sample: FS-1 **Lab ID: 60373379001** Collected: 06/24/21 10:15 Received: 06/26/21 08:40 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)	**25.0**	mg/kg	10.8	1	06/28/21 13:49	06/29/21 11:15		M1
TPH-ORO (C28-C35)	ND	mg/kg	10.8	1	06/28/21 13:49	06/29/21 11:15		
Surrogates								
n-Tetracosane (S)	94	%	31-152	1	06/28/21 13:49	06/29/21 11:15	646-31-1	
p-Terphenyl (S)	83	%	46-130	1	06/28/21 13:49	06/29/21 11:15	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	11.2	1	06/28/21 17:32	06/29/21 00:09		
Surrogates								
4-Bromofluorobenzene (S)	91	%	63-121	1	06/28/21 17:32	06/29/21 00:09	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.4	1	06/28/21 11:23	06/28/21 13:36	71-43-2	
Ethylbenzene	ND	ug/kg	5.4	1	06/28/21 11:23	06/28/21 13:36	100-41-4	
Toluene	ND	ug/kg	5.4	1	06/28/21 11:23	06/28/21 13:36	108-88-3	
Xylene (Total)	ND	ug/kg	5.4	1	06/28/21 11:23	06/28/21 13:36	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	06/28/21 11:23	06/28/21 13:36	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1	06/28/21 11:23	06/28/21 13:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	06/28/21 11:23	06/28/21 13:36	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**9.4**	%	0.50	1		06/28/21 09:13		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	110	10	06/28/21 06:26	06/28/21 16:27	16887-00-6	

Sample: FS-9 **Lab ID: 60373379002** Collected: 06/24/21 10:20 Received: 06/26/21 08:40 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)	**104**	mg/kg	11.1	1	06/28/21 13:49	06/29/21 11:40		
TPH-ORO (C28-C35)	**24.9**	mg/kg	11.1	1	06/28/21 13:49	06/29/21 11:40		
Surrogates								
n-Tetracosane (S)	127	%	31-152	1	06/28/21 13:49	06/29/21 11:40	646-31-1	
p-Terphenyl (S)	99	%	46-130	1	06/28/21 13:49	06/29/21 11:40	92-94-4	

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60373379

Sample: FS-9 **Lab ID: 60373379002** Collected: 06/24/21 10:20 Received: 06/26/21 08:40 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	12.3	1	06/28/21 17:32	06/29/21 00:25		
Surrogates								
4-Bromofluorobenzene (S)	90	%	63-121	1	06/28/21 17:32	06/29/21 00:25	460-00-4	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.7	1	06/28/21 11:23	06/28/21 13:51	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1	06/28/21 11:23	06/28/21 13:51	100-41-4	
Toluene	ND	ug/kg	5.7	1	06/28/21 11:23	06/28/21 13:51	108-88-3	
Xylene (Total)	ND	ug/kg	5.7	1	06/28/21 11:23	06/28/21 13:51	1330-20-7	
Surrogates								
Toluene-d8 (S)	104	%	80-120	1	06/28/21 11:23	06/28/21 13:51	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1	06/28/21 11:23	06/28/21 13:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	06/28/21 11:23	06/28/21 13:51	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**13.7**	%	0.50	1		06/28/21 09:13		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	**123**	mg/kg	116	10	06/28/21 06:26	06/28/21 17:19	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373379

QC Batch: 728677
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373379001, 60373379002

METHOD BLANK: 2926810 Matrix: Solid
Associated Lab Samples: 60373379001, 60373379002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	06/28/21 22:21	
4-Bromofluorobenzene (S)	%	86	63-121	06/28/21 22:21	

LABORATORY CONTROL SAMPLE: 2926811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	46.9	94	71-107	
4-Bromofluorobenzene (S)	%			91	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: MCA 1-A HEADER
Pace Project No.: 60373379

QC Batch: 728971
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373379001, 60373379002

METHOD BLANK: 2928147 Matrix: Solid
Associated Lab Samples: 60373379001, 60373379002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	06/28/21 13:20	
Ethylbenzene	ug/kg	ND	5.0	06/28/21 13:20	
Toluene	ug/kg	ND	5.0	06/28/21 13:20	
Xylene (Total)	ug/kg	ND	5.0	06/28/21 13:20	
1,2-Dichlorobenzene-d4 (S)	%	103	80-120	06/28/21 13:20	
4-Bromofluorobenzene (S)	%	107	85-115	06/28/21 13:20	
Toluene-d8 (S)	%	102	80-120	06/28/21 13:20	

LABORATORY CONTROL SAMPLE: 2928148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	104	104	80-120	
Ethylbenzene	ug/kg	100	107	107	80-120	
Toluene	ug/kg	100	105	105	80-120	
Xylene (Total)	ug/kg	300	319	106	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			97	85-115	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2928149 2928150

Parameter	Units	60373181001 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	99.2	99.4	76.4	85.0	77	85	35-120	11	35	
Ethylbenzene	ug/kg	ND	99.2	99.4	70.4	80.7	71	81	35-120	14	35	
Toluene	ug/kg	ND	99.2	99.4	72.4	83.0	73	83	35-120	14	35	
Xylene (Total)	ug/kg	ND	298	298	203	236	68	79	35-120	15	35	
1,2-Dichlorobenzene-d4 (S)	%						98	97	80-120		3	
4-Bromofluorobenzene (S)	%						103	99	85-115		20	
Toluene-d8 (S)	%						102	101	80-120		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: MCA 1-A HEADER
Pace Project No.: 60373379

QC Batch: 728968
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373379001, 60373379002

METHOD BLANK: 2928132 Matrix: Solid
Associated Lab Samples: 60373379001, 60373379002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.6	06/29/21 10:59	
TPH-ORO (C28-C35)	mg/kg	ND	9.6	06/29/21 10:59	
n-Tetracosane (S)	%	94	31-152	06/29/21 10:59	
p-Terphenyl (S)	%	88	46-130	06/29/21 10:59	

LABORATORY CONTROL SAMPLE: 2928133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	79.9	68.8	86	74-124	
n-Tetracosane (S)	%			102	31-152	
p-Terphenyl (S)	%			96	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2928134 2928135

Parameter	Units	60373379001 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	25.0	89.9	89.6	146	131	135	118	30-130	11	35	M1
n-Tetracosane (S)	%						112	116	31-152			
p-Terphenyl (S)	%						101	101	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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(913)599-5665

QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373379

QC Batch: 728912
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373379001, 60373379002

METHOD BLANK: 2927815 Matrix: Solid
Associated Lab Samples: 60373379001, 60373379002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	06/28/21 09:13	

SAMPLE DUPLICATE: 2927816

Parameter	Units	60373379001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.4	9.4	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

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QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60373379

QC Batch: 728940
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60373379001, 60373379002

METHOD BLANK: 2928006 Matrix: Solid
Associated Lab Samples: 60373379001, 60373379002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	06/28/21 15:53	

LABORATORY CONTROL SAMPLE: 2928007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2928008 2928009

Parameter	Units	60373379001 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	552	552	573	577	89	90	80-120	1	15	

SAMPLE DUPLICATE: 2928010

Parameter	Units	60373379001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	124		15	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MCA 1-A HEADER
Pace Project No.: 60373379

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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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCA 1-A HEADER
Pace Project No.: 60373379

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60373379001	**FS-1**	EPA 3546	728968	EPA 8015B	729236
60373379002	**FS-9**	EPA 3546	728968	EPA 8015B	729236
60373379001	**FS-1**	EPA 5035A/5030B	728677	EPA 8015B	729133
60373379002	**FS-9**	EPA 5035A/5030B	728677	EPA 8015B	729133
60373379001	**FS-1**	EPA 5035A/5030	728971	EPA 8260B	728987
60373379002	**FS-9**	EPA 5035A/5030	728971	EPA 8260B	728987
60373379001	**FS-1**	ASTM D2974	728912		
60373379002	**FS-9**	ASTM D2974	728912		
60373379001	**FS-1**	EPA 9056	728940	EPA 9056	729215
60373379002	**FS-9**	EPA 9056	728940	EPA 9056	729215

Jas

WO# : 60373379

60373379

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Sample Condition Upon Receipt

Client Name: Tetra Tech

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

Tracking #: 500206488772 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-298 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): As-read 0.3 Corr. Factor 0.0 Corrected 0.3

Date and initials of person examining contents: 6-30-21

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	1-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

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-

600373379

Client Name:	Conoco Phillips	Site Manager:	Sam Abbott
Project Name:	MCA 1-A Header	Contact Info:	Email: sam.abbott@tetratech.com Phone: (512) 739-7874
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-02511
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	FS-1	6/24/2021	10:15		X				X			1	N	X		X												X					
	FS-9	6/24/2021	10:20		X				X			1	N	X		X												X					

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	6/25/21	0900		6.26.21	0840
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

0.3

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Lenexa, KS 66219
(913)599-5665

July 09, 2021

Sam Abbott
Tetra Tech, Inc
8911 N Capital of Texas Hwy
#2310
Austin, TX 78759

RE: Project: MCA 1-A HEADER
Pace Project No.: 60374236

Dear Sam Abbott:

Enclosed are the analytical results for sample(s) received by the laboratory on July 08, 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: John Thurston, Tetra Tech-Houston TX

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

CERTIFICATIONS

Project: MCA 1-A HEADER
Pace Project No.: 60374236

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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SAMPLE SUMMARY

Project: MCA 1-A HEADER
Pace Project No.: 60374236

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60374236001	**FS-2(5')**	Solid	07/07/21 10:15	07/08/21 08:40
60374236002	**FS-6(5')**	Solid	07/07/21 10:20	07/08/21 08:40
60374236003	**FS-7(5')**	Solid	07/07/21 12:30	07/08/21 08:40

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SAMPLE ANALYTE COUNT

Project: MCA 1-A HEADER
Pace Project No.: 60374236

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60374236001	**FS-2(5')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	VNH	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60374236002	**FS-6(5')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	VNH	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60374236003	**FS-7(5')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	VNH	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	LDB	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60374236

Sample: FS-2(5') **Lab ID: 60374236001** Collected: 07/07/21 10:15 Received: 07/08/21 08:40 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)	**15.0**	mg/kg	9.9	1	07/08/21 10:31	07/08/21 12:14		
TPH-ORO (C28-C35)	**14.7**	mg/kg	9.9	1	07/08/21 10:31	07/08/21 12:14		
Surrogates								
n-Tetracosane (S)	114	%	31-152	1	07/08/21 10:31	07/08/21 12:14	646-31-1	
p-Terphenyl (S)	105	%	46-130	1	07/08/21 10:31	07/08/21 12:14	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	10.6	1	07/08/21 10:11	07/08/21 12:39		
Surrogates								
4-Bromofluorobenzene (S)	88	%	63-121	1	07/08/21 10:11	07/08/21 12:39	460-00-4	
8260 MSV UST 5030 Med Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	53.1	1	07/08/21 10:11	07/08/21 12:36	71-43-2	
Ethylbenzene	ND	ug/kg	53.1	1	07/08/21 10:11	07/08/21 12:36	100-41-4	
Toluene	ND	ug/kg	106	1	07/08/21 10:11	07/08/21 12:36	108-88-3	
Xylene (Total)	ND	ug/kg	266	1	07/08/21 10:11	07/08/21 12:36	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-120	1	07/08/21 10:11	07/08/21 12:36	460-00-4	
Toluene-d8 (S)	101	%	80-120	1	07/08/21 10:11	07/08/21 12:36	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	07/08/21 10:11	07/08/21 12:36	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**3.7**	%	0.50	1		07/08/21 10:17		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	103	10	07/08/21 17:00	07/08/21 18:06	16887-00-6	

Sample: FS-6(5') **Lab ID: 60374236002** Collected: 07/07/21 10:20 Received: 07/08/21 08:40 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	10.7	1	07/08/21 10:31	07/08/21 12:31		
TPH-ORO (C28-C35)	ND	mg/kg	10.7	1	07/08/21 10:31	07/08/21 12:31		
Surrogates								
n-Tetracosane (S)	94	%	31-152	1	07/08/21 10:31	07/08/21 12:31	646-31-1	
p-Terphenyl (S)	75	%	46-130	1	07/08/21 10:31	07/08/21 12:31	92-94-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60374236

Sample: FS-6(5') **Lab ID: 60374236002** Collected: 07/07/21 10:20 Received: 07/08/21 08:40 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	12.1	1	07/08/21 10:11	07/08/21 12:54		
Surrogates								
4-Bromofluorobenzene (S)	89	%	63-121	1	07/08/21 10:11	07/08/21 12:54	460-00-4	
8260 MSV UST 5030 Med Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	60.5	1	07/08/21 10:11	07/08/21 13:24	71-43-2	
Ethylbenzene	ND	ug/kg	60.5	1	07/08/21 10:11	07/08/21 13:24	100-41-4	
Toluene	ND	ug/kg	121	1	07/08/21 10:11	07/08/21 13:24	108-88-3	
Xylene (Total)	ND	ug/kg	303	1	07/08/21 10:11	07/08/21 13:24	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	80-120	1	07/08/21 10:11	07/08/21 13:24	460-00-4	
Toluene-d8 (S)	101	%	80-120	1	07/08/21 10:11	07/08/21 13:24	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	07/08/21 10:11	07/08/21 13:24	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**11.4**	%	0.50	1		07/08/21 10:17		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	113	10	07/08/21 17:00	07/08/21 18:54	16887-00-6	

Sample: FS-7(5') **Lab ID: 60374236003** Collected: 07/07/21 12:30 Received: 07/08/21 08:40 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	10.8	1	07/08/21 10:31	07/08/21 12:39		
TPH-ORO (C28-C35)	ND	mg/kg	10.8	1	07/08/21 10:31	07/08/21 12:39		
Surrogates								
n-Tetracosane (S)	99	%	31-152	1	07/08/21 10:31	07/08/21 12:39	646-31-1	
p-Terphenyl (S)	88	%	46-130	1	07/08/21 10:31	07/08/21 12:39	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	12.2	1	07/08/21 10:11	07/08/21 13:10		
Surrogates								
4-Bromofluorobenzene (S)	89	%	63-121	1	07/08/21 10:11	07/08/21 13:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MCA 1-A HEADER
Pace Project No.: 60374236

Sample: FS-7(5') **Lab ID: 60374236003** Collected: 07/07/21 12:30 Received: 07/08/21 08:40 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
8260 MSV UST 5030 Med Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	61.0	1	07/08/21 10:11	07/08/21 13:40	71-43-2	
Ethylbenzene	ND	ug/kg	61.0	1	07/08/21 10:11	07/08/21 13:40	100-41-4	
Toluene	ND	ug/kg	122	1	07/08/21 10:11	07/08/21 13:40	108-88-3	
Xylene (Total)	ND	ug/kg	305	1	07/08/21 10:11	07/08/21 13:40	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	80-120	1	07/08/21 10:11	07/08/21 13:40	460-00-4	
Toluene-d8 (S)	100	%	80-120	1	07/08/21 10:11	07/08/21 13:40	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	07/08/21 10:11	07/08/21 13:40	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**10.7**	%	0.50	1		07/08/21 10:18		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	112	10	07/08/21 17:00	07/08/21 19:25	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60374236

QC Batch: 730872
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60374236001, 60374236002, 60374236003

METHOD BLANK: 2934282 Matrix: Solid
Associated Lab Samples: 60374236001, 60374236002, 60374236003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	07/08/21 12:23	
4-Bromofluorobenzene (S)	%	89	63-121	07/08/21 12:23	

LABORATORY CONTROL SAMPLE: 2934283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	45.9	92	71-107	
4-Bromofluorobenzene (S)	%			92	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934284 2934285

Parameter	Units	60374236003 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	61	53.1	53.0	86	86	29-143	0	26	
4-Bromofluorobenzene (S)	%						89	90	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: MCA 1-A HEADER
Pace Project No.: 60374236

QC Batch: 730862
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5030 Med
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60374236001, 60374236002, 60374236003

METHOD BLANK: 2934224 Matrix: Solid
Associated Lab Samples: 60374236001, 60374236002, 60374236003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	50.0	07/08/21 12:20	
Ethylbenzene	ug/kg	ND	50.0	07/08/21 12:20	
Toluene	ug/kg	ND	100	07/08/21 12:20	
Xylene (Total)	ug/kg	ND	250	07/08/21 12:20	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120	07/08/21 12:20	
4-Bromofluorobenzene (S)	%	99	85-115	07/08/21 12:20	
Toluene-d8 (S)	%	100	80-120	07/08/21 12:20	

LABORATORY CONTROL SAMPLE: 2934225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2000	1800	90	75-125	
Ethylbenzene	ug/kg	2000	1900	95	80-130	
Toluene	ug/kg	2000	1810	91	80-120	
Xylene (Total)	ug/kg	6000	5610	93	80-125	
1,2-Dichlorobenzene-d4 (S)	%			101	80-120	
4-Bromofluorobenzene (S)	%			102	85-115	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934226 2934227

Parameter	Units	60374236001 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	2130	2130	2090	2190	99	103	45-130	4	35	
Ethylbenzene	ug/kg	ND	2130	2130	2160	2180	102	103	35-140	1	35	
Toluene	ug/kg	ND	2130	2130	2090	2120	98	100	40-135	2	35	
Xylene (Total)	ug/kg	ND	6380	6380	6410	6630	101	104	30-145	3	35	
1,2-Dichlorobenzene-d4 (S)	%						103	101	80-120		3	
4-Bromofluorobenzene (S)	%						101	101	85-115		20	
Toluene-d8 (S)	%						102	100	80-120		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: MCA 1-A HEADER
Pace Project No.: 60374236

QC Batch: 730864
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60374236001, 60374236002, 60374236003

METHOD BLANK: 2934231 Matrix: Solid
Associated Lab Samples: 60374236001, 60374236002, 60374236003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.5	07/08/21 11:58	
TPH-ORO (C28-C35)	mg/kg	ND	9.5	07/08/21 11:58	
n-Tetracosane (S)	%	108	31-152	07/08/21 11:58	
p-Terphenyl (S)	%	99	46-130	07/08/21 11:58	

LABORATORY CONTROL SAMPLE: 2934232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	80.4	72.8	90	74-124	
n-Tetracosane (S)	%			114	31-152	
p-Terphenyl (S)	%			107	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: MCA 1-A HEADER
Pace Project No.: 60374236

QC Batch: 730861
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60374236001, 60374236002, 60374236003

METHOD BLANK: 2934222 Matrix: Solid
Associated Lab Samples: 60374236001, 60374236002, 60374236003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	07/08/21 10:17	

SAMPLE DUPLICATE: 2934223

Parameter	Units	60374236001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.7	3.7	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

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: MCA 1-A HEADER
Pace Project No.: 60374236

QC Batch: 731043 | Analysis Method: EPA 9056
QC Batch Method: EPA 9056 | Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60374236001, 60374236002, 60374236003

METHOD BLANK: 2934937 Matrix: Solid
Associated Lab Samples: 60374236001, 60374236002, 60374236003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	07/08/21 17:35	

LABORATORY CONTROL SAMPLE: 2934938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	501	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934939 2934940

Parameter	Units	60374236001 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	518	518	524	527	89	90	80-120	1	15	

SAMPLE DUPLICATE: 2934941

Parameter	Units	60374236001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	72.1J		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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Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: MCA 1-A HEADER
Pace Project No.: 60374236

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: MCA 1-A HEADER
Pace Project No.: 60374236

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60374236001	**FS-2(5')**	EPA 3546	730864	EPA 8015B	730918
60374236002	**FS-6(5')**	EPA 3546	730864	EPA 8015B	730918
60374236003	**FS-7(5')**	EPA 3546	730864	EPA 8015B	730918
60374236001	**FS-2(5')**	EPA 5035A/5030B	730872	EPA 8015B	730899
60374236002	**FS-6(5')**	EPA 5035A/5030B	730872	EPA 8015B	730899
60374236003	**FS-7(5')**	EPA 5035A/5030B	730872	EPA 8015B	730899
60374236001	**FS-2(5')**	EPA 5035/5030B	730862	EPA 8260B	730919
60374236002	**FS-6(5')**	EPA 5035/5030B	730862	EPA 8260B	730919
60374236003	**FS-7(5')**	EPA 5035/5030B	730862	EPA 8260B	730919
60374236001	**FS-2(5')**	ASTM D2974	730861		
60374236002	**FS-6(5')**	ASTM D2974	730861		
60374236003	**FS-7(5')**	ASTM D2974	730861		
60374236001	**FS-2(5')**	EPA 9056	731043	EPA 9056	731102
60374236002	**FS-6(5')**	EPA 9056	731043	EPA 9056	731102
60374236003	**FS-7(5')**	EPA 9056	731043	EPA 9056	731102

Pace Analytical www.pacelabs.com

Sample Condition Upon Receipt

WO#: 60374236

60374236

Client Name: Tetra tech

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

Tracking #: 500206497218 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: T296 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 2.3 **Corr. Factor** -0.3 **Corrected** 2.0

Date and initials of person examining contents: 7-8-2021 MK

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: S2	☐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) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐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

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-

603742 36

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA 1-A Header	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: (512) 739-7874
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02511
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	FS-2 (5')	7/7/2021	10:15		X				X			1	N	X		X												X					
	FS-6 (5')	7/7/2021	10:20		X				X			1	N	X		X												X					
	FS-7 (5')	7/7/2021	12:30		X				X			1	N	X		X												X					

Relinquished by:	Date: 7/7/21	Time: 1430	Received by:	Date: 7/8/21 Time: 0840
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

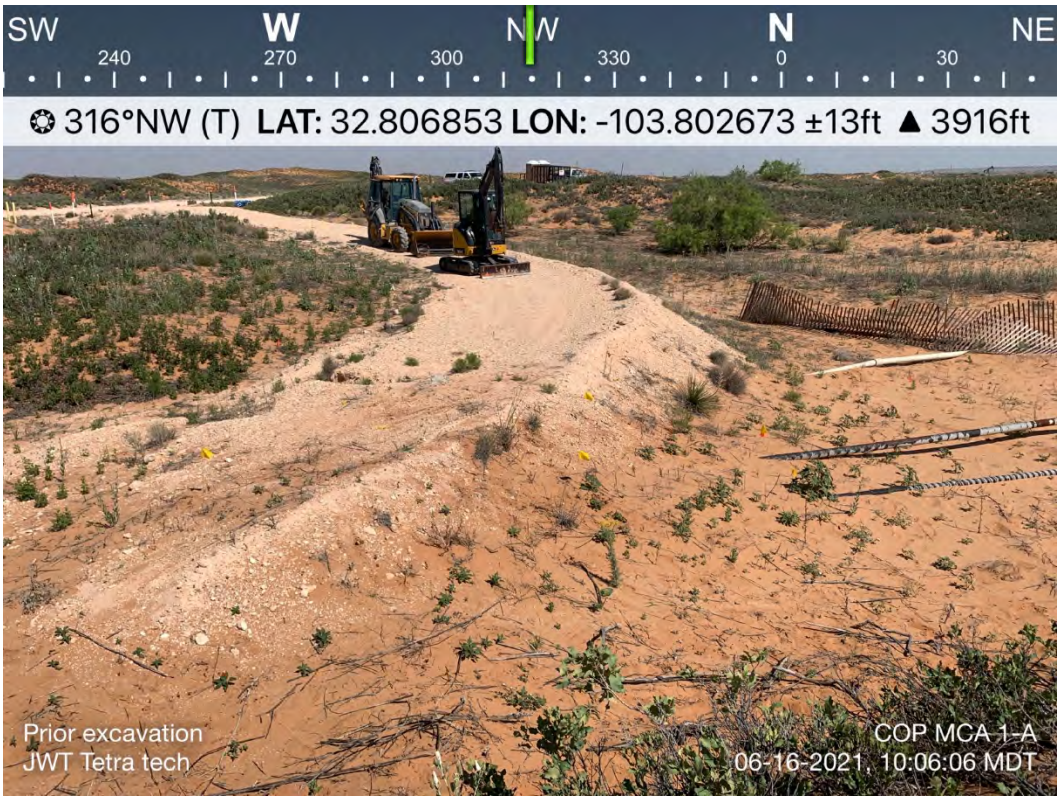
LAB USE ONLY
Sample Temperature
2.0 °C

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

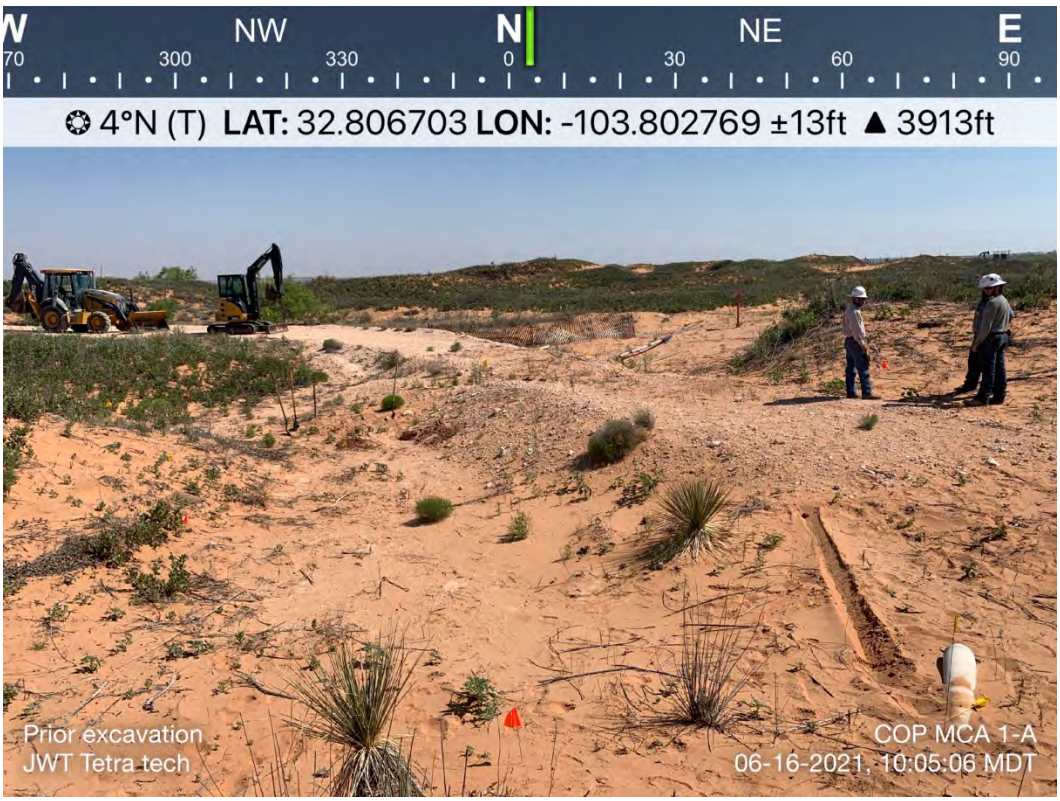
(Circle) HAND DELIVERED (FEDEX) UPS Tracking #: _____

ORIGINAL COPY

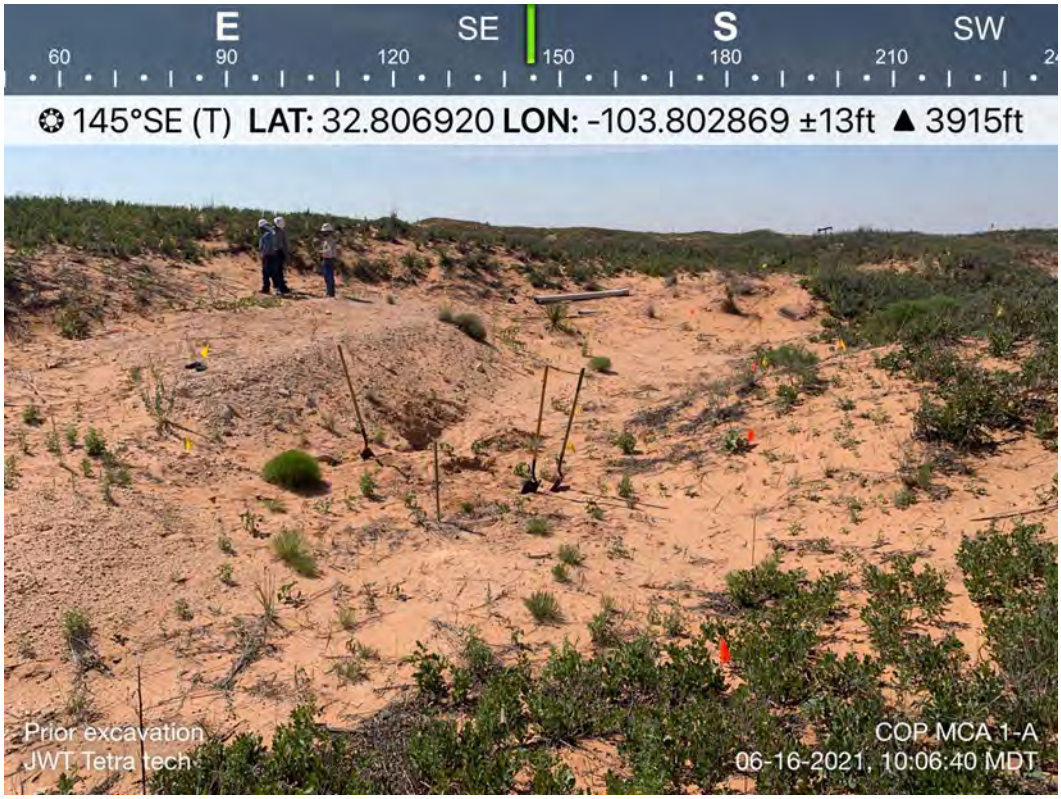
APPENDIX D
Photographic Documentation



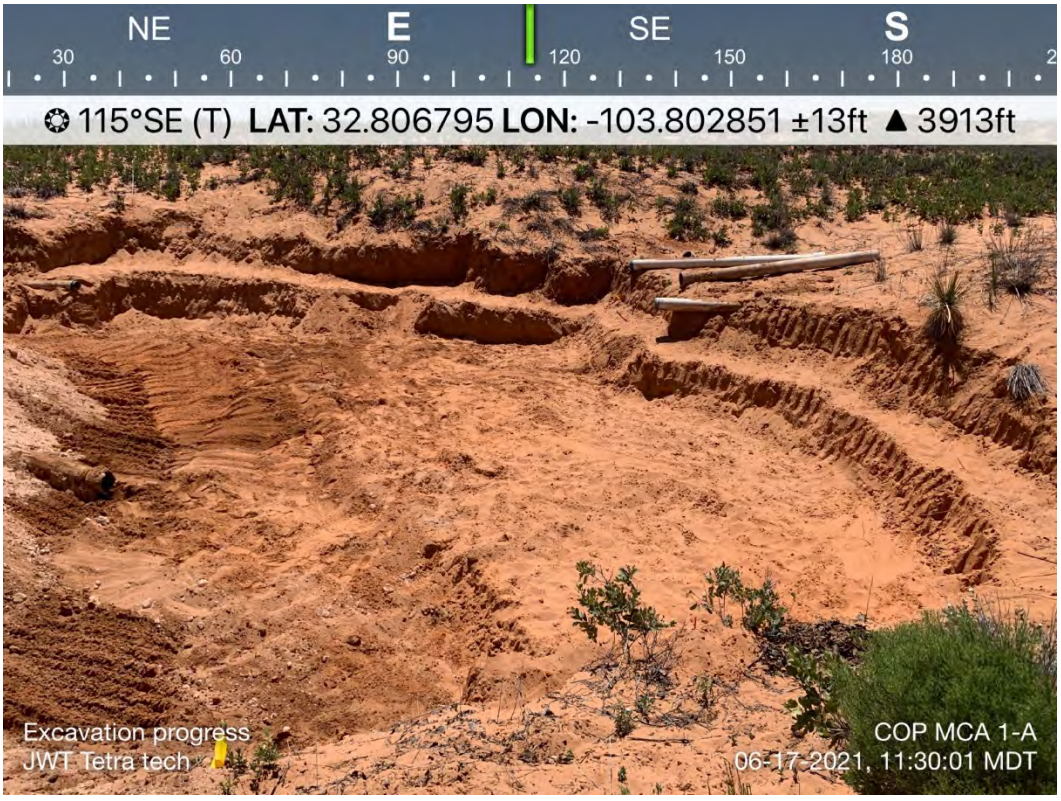
TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View northwest towards lease road, of the release area and lines.	1
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/16/2021



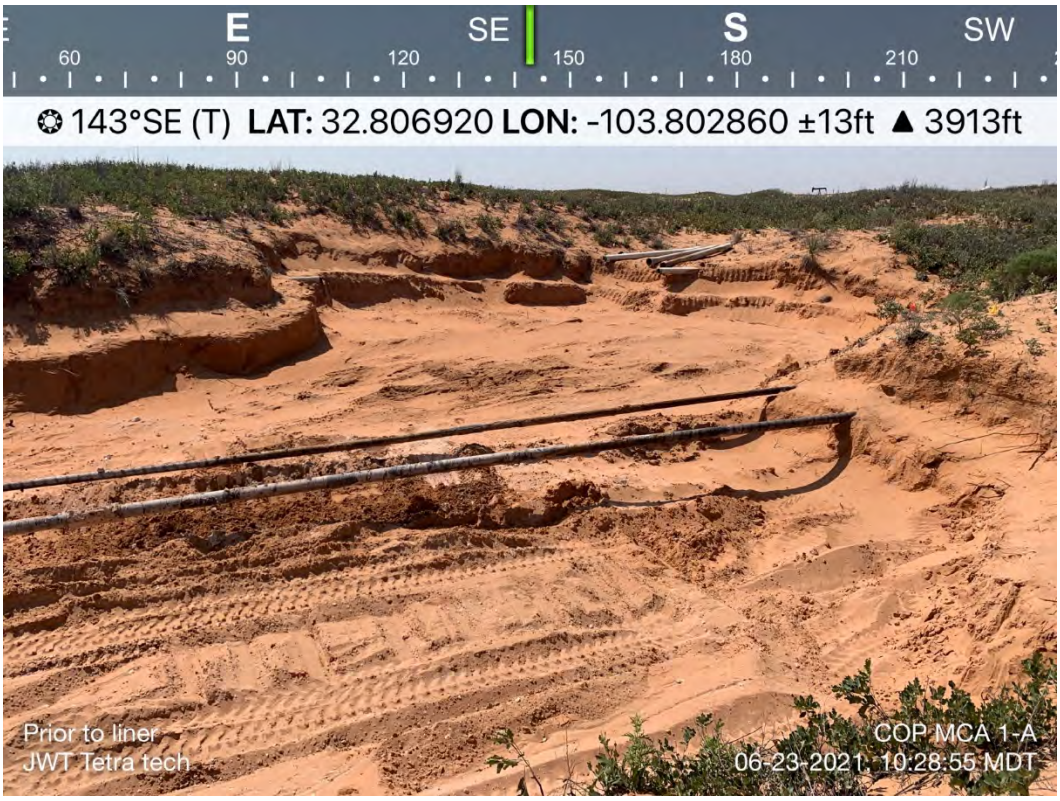
TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View north of the release area.	2
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/16/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View southeast of the release area	3
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/16/2021

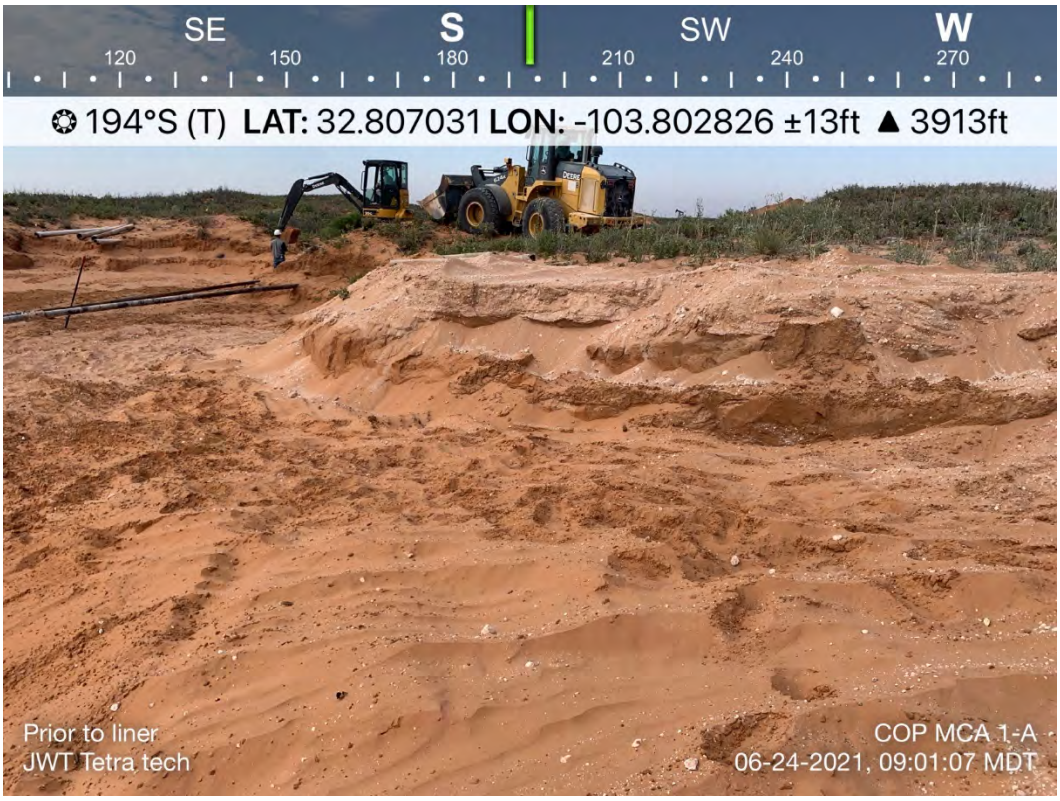


TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View east-southeast of the release area and 4 ft excavation.	4
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/17/2021



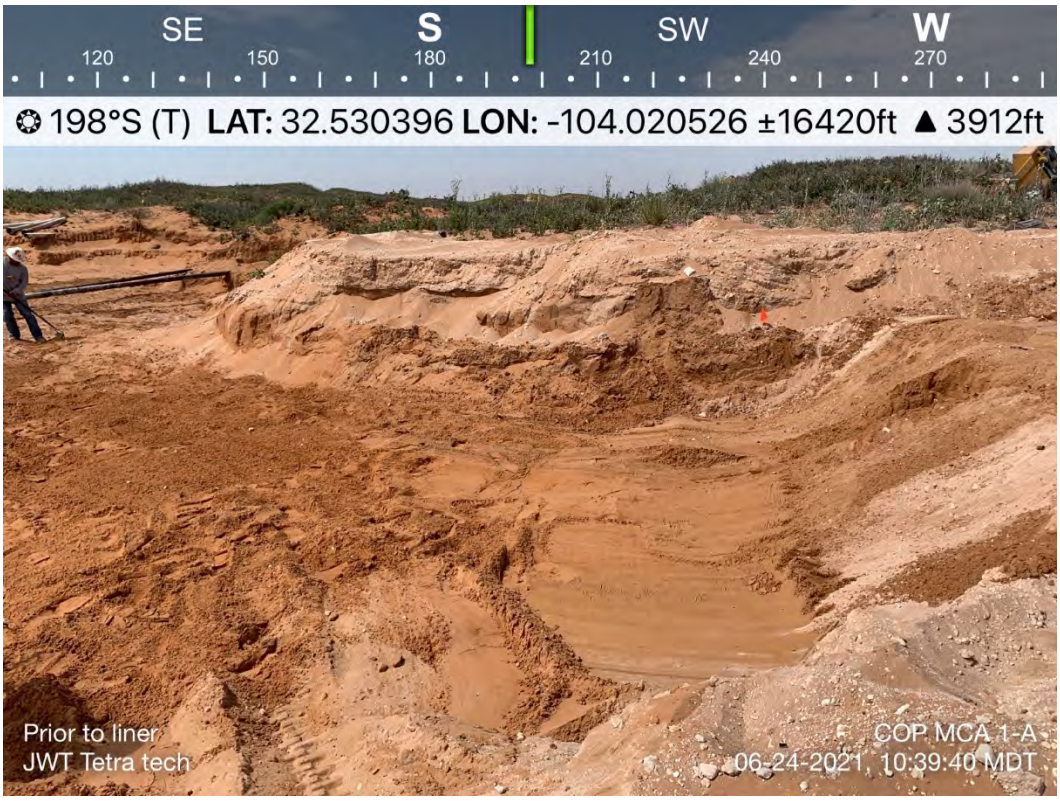
TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View southeast of the release area, buried lines, and 4 ft excavation	5
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/23/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View southeast of the release area, buried lines, and 4 ft excavation.	6
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View south-southwest of the release area, buried lines, and 4' excavation.	7
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View north of the release area, buried lines, and 4 ft excavation.	8
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021

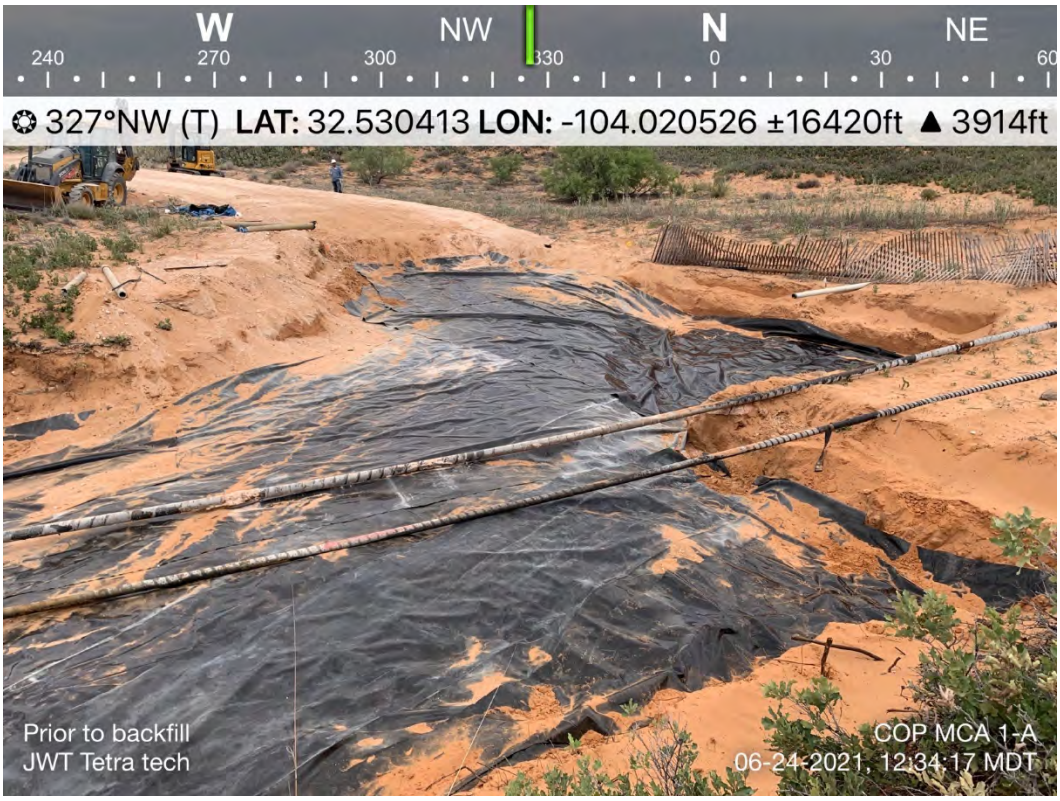


TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View south-southwest of the release area and 4 ft excavation.	9
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021

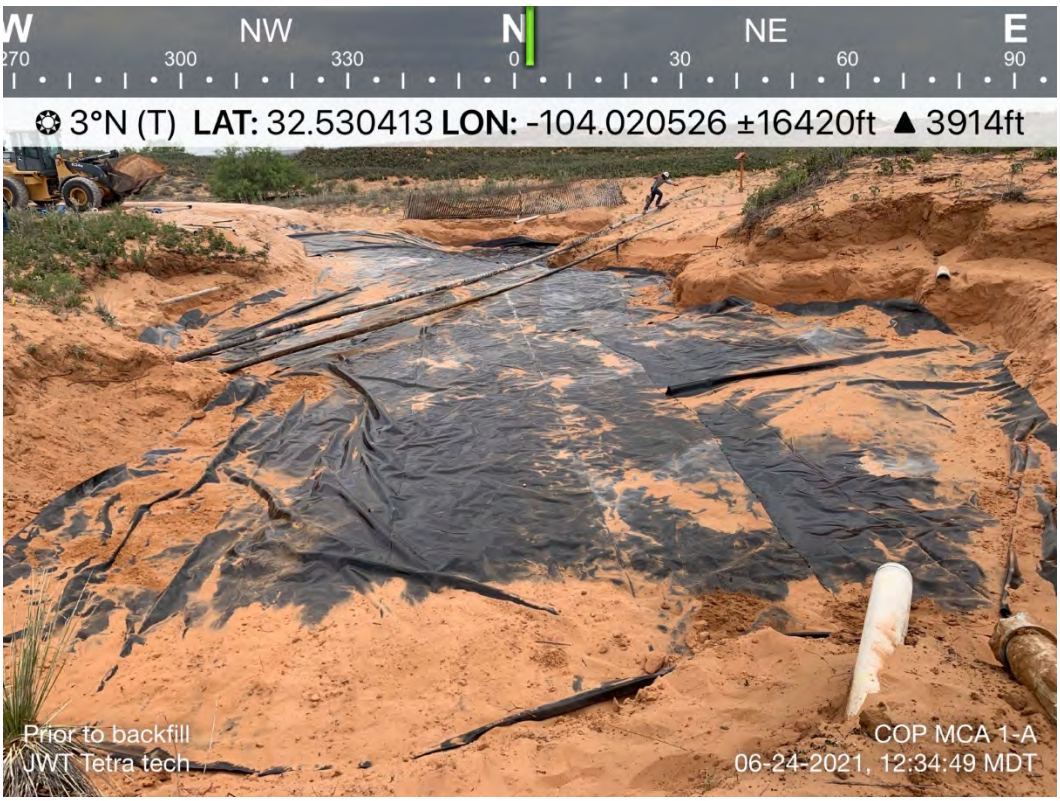
TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View south-southeast of the release area, buried lines, and 4 ft excavation.	10
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View south of the release area, buried lines, 4 ft excavation, and installed liner.	11
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View south of the release area, buried lines, 4 ft excavation, and installed liner.	12
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021



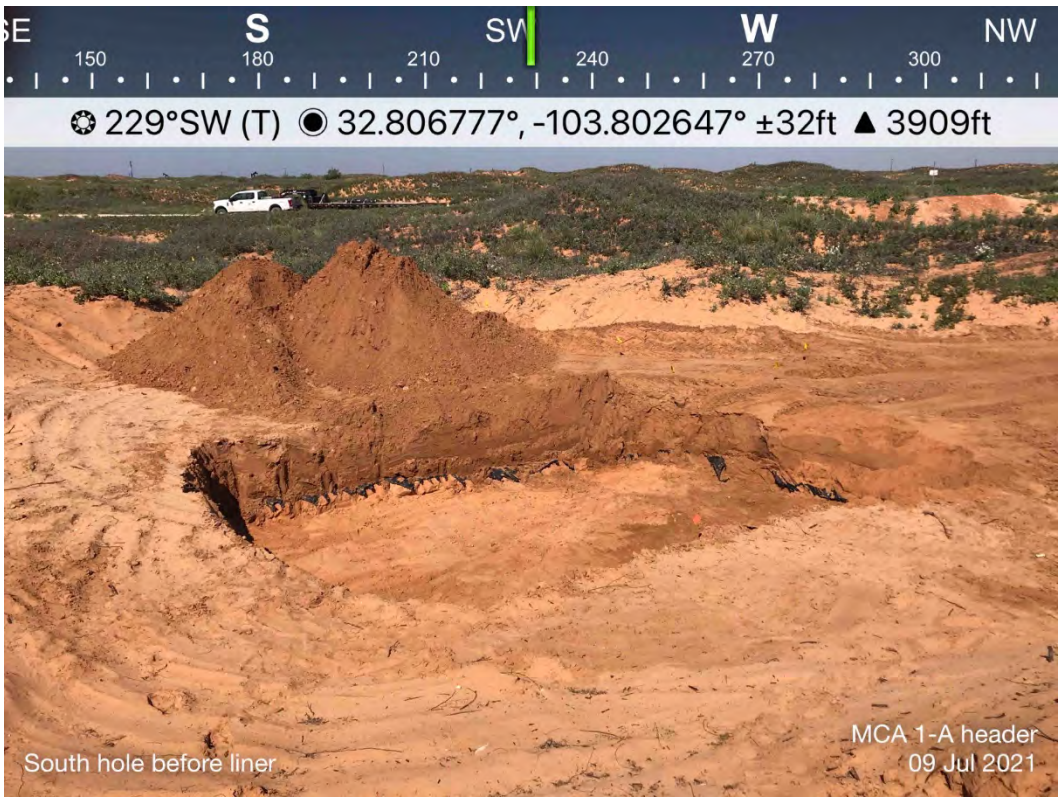
TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View northwest of the release area, buried lines, 4 ft excavation, and installed liner.	13
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View north of the release area, buried lines, 4 ft excavation, and installed liner.	14
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/24/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View south southwest of the remediation with backfill.	15
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/28/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View southeast of the remediation with backfill.	16
	SITE NAME	ConocoPhillips MCA 1-A Header Release	6/30/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View southwest of southern 5 ft excavation.	17
	SITE NAME	ConocoPhillips MCA 1-A Header Release	7/9/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View west of the southern 5 ft excavation and installed liner.	18
	SITE NAME	ConocoPhillips MCA 1-A Header Release	7/9/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View east of the northern 5 ft excavation.	19
	SITE NAME	ConocoPhillips MCA 1-A Header Release	7/9/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View northeast of the northern 5 ft excavation and installed liner.	20
	SITE NAME	ConocoPhillips MCA 1-A Header Release	7/9/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View northeast of the remediation and seeding.	21
	SITE NAME	ConocoPhillips MCA 1-A Header Release	7/9/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02511	DESCRIPTION	View north of the completed remediation.	22
	SITE NAME	ConocoPhillips MCA 1-A Header Release	7/9/2021

APPENDIX E
Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	1
Manif. Date:	6/17/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1217901
Bid #:	O6UJ9A000HH0
Date:	6/17/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA ~~20~~ 1-A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature _____

R360 Representative Signature _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1217904
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/17/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	2	Well Ser. #:	999908
Manif. Date:	6/17/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JR	Field:	
Truck #	M78	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01J3ID 6/17/2021 2:19:59PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	3
Manif. Date:	6/17/2021
Hauler:	MCNABB PARTNERS
Driver	ARIEL
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1217913
Bid #:	O6UJ9A000HH0
Date:	6/17/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature _____

R360 Representative Signature _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218088
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/18/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	4	Well Ser. #:	999908
Manif. Date:	6/18/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOSH	Field:	
Truck #	M75	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	5
Manif. Date:	6/18/2021
Hauler:	MCNABB PARTNERS
Driver	JR
Truck #	M78
Card #	
Job Ref #	

Ticket #:	700-1218089
Bid #:	O6UJ9A000HH0
Date:	6/18/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218511
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/21/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	6	Well Ser. #:	999908
Manif. Date:	6/21/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOSH	Field:	
Truck #	M75	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218572
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/21/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	7	Well Ser. #:	999908
Manif. Date:	6/21/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JR	Field:	
Truck #	M78	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218612
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/21/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	8	Well Ser. #:	999908
Manif. Date:	6/21/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOSH	Field:	
Truck #	M75	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218804
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	9	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218815
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	10	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M76	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature _____

R360 Representative Signature _____

Customer Approval _____

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	11
Manif. Date:	6/22/2021
Hauler:	MCNABB PARTNERS
Driver	JESSE
Truck #	M82
Card #	
Job Ref #	

Ticket #:	700-1218818
Bid #:	O6UJ9A000HH0
Date:	6/22/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218832
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	12	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	13
Manif. Date:	6/22/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M76
Card #	
Job Ref #	

Ticket #:	700-1218840
Bid #:	O6UJ9A000HH0
Date:	6/22/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218842
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	14	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JESSE	Field:	
Truck #	M82	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

t6UJ9A01J5C0

6/22/2021 10:24:27AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	15
Manif. Date:	6/22/2021
Hauler:	MCNABB PARTNERS
Driver	URIEL
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1218876
Bid #:	O6UJ9A000HH0
Date:	6/22/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218878
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	16	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218880
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	17	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JESSE	Field:	
Truck #	M82	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218882
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	18	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M76	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18 ~~20.00~~ yards

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSON
AFE #:	
PO #:	
Manifest #:	19
Manif. Date:	6/22/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1218901
Bid #:	O6UJ9A000HH0
Date:	6/22/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0			2.00			

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	~~19~~ 20
Manif. Date:	6/22/2021
Hauler:	MCNABB PARTNERS
Driver	URIEL
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1218899
Bid #:	O6UJ9A000HH0
Date:	6/22/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	21
Manif. Date:	6/22/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M76
Card #	
Job Ref #	

Ticket #:	700-1218910
Bid #:	O6UJ9A000HH0
Date:	6/22/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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Approved By: _____ Date: _____

t6UJ9A01J5G6

6/22/2021 2:37:00PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1218915
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THIRSTEN	Date:	6/22/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	22	Well Ser. #:	999908
Manif. Date:	6/22/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JESSE	Field:	
Truck #	M82	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

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

Generator Certification Statement of Waste Status

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

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__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	23
Manif. Date:	6/23/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1219069
Bid #:	O6UJ9A000HH0
Date:	6/23/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219104
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/23/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	24	Well Ser. #:	999908
Manif. Date:	6/23/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOSH	Field:	
Truck #	M75	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219115
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/23/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	25	Well Ser. #:	999908
Manif. Date:	6/23/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M81	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	26
Manif. Date:	6/23/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1219158
Bid #:	O6UJ9A000HH0
Date:	6/23/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Completion Fluids (NON-INJ)	18.00	bbl

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219283
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	27	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	URIEL	Field:	
Truck #	M80	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219284
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	28	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M81	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01J6E1

6/24/2021 8:39:36AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	29
Manif. Date:	6/24/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1219353
Bid #:	O6UJ9A000HH0
Date:	6/24/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219322
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	30	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M81	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219324
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	31	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	URIEL	Field:	
Truck #	M80	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219362
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	32	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JESSE	Field:	
Truck #	M82	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219391
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	33	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M81	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219399
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/24/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	34	Well Ser. #:	999908
Manif. Date:	6/24/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JESSE	Field:	
Truck #	M82	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219523
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	35	Well Ser. #:	999908
Manif. Date:	6/25/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M81	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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Approved By: _____ Date: _____

t6UJ9A01J6YS 6/25/2021 8:14:17AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219522
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	36	Well Ser. #:	999908
Manif. Date:	6/25/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219544
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	37	Well Ser. #:	999908
Manif. Date:	6/25/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1219545
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	6/25/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	38	Well Ser. #:	999908
Manif. Date:	6/25/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	JOE	Field:	
Truck #	M81	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01J71X 6/25/2021 10:06:09AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	39
Manif. Date:	6/25/2021
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1219586
Bid #:	O6UJ9A000HH0
Date:	6/25/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	40
Manif. Date:	6/25/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1219587
Bid #:	O6UJ9A000HH0
Date:	6/25/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	MCA 1 A
Well #:	HEADER
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature _____

R360 Representative Signature _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1221785
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THUSTON	Date:	7/7/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	~~NA~~ 411	Well Ser. #:	999908
Manif. Date:	7/7/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	DANIEL	Field:	
Truck #	M84	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

WELL HEADER

t6UJ9A01JBNN 7/7/2021 12:35:40PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1222280
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	JOHN THURSTON	Date:	7/9/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	42	Well Ser. #:	999908
Manif. Date:	7/9/2021	Well Name:	MCA 1 A
Hauler:	MCNABB PARTNERS	Well #:	HEADER
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

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: 44203
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	8/30/2021