



October 15, 2019

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

Via email:
emnrd-oed-district1spills@state.nm.us

**Re: Closure Report
ConocoPhillips Company
Battle Axe 27 Federal 2H Com Releases
Unit Letter A, Section 27, Township 26 South, Range 32 East
Lea County, New Mexico
1RP-4903, 1RP-4916
TT# 212C-MD-01269**

Mr. Rickman:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to evaluate, assess and remediate two releases that occurred at the Battle Axe 27 Federal 2H Com, Unit Letter A, Section 27, Township 26 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release site coordinates are 32.019344°, -103.655959°. The site location is shown on Figures 1 and 2.

BACKGROUND

1RP-4903

According to the State of New Mexico C-141 Initial Report, the release was discovered on December 25, 2017, and approximately twenty-six (26) barrels of produced water and oil were released from a flowline leak. Approximately twenty (20) barrels of fluid were recovered. Immediate response action taken was to isolate the flow line, effectively stopping the release. The initial C-141 form is included in Appendix A.

1RP-4916

According to the State of New Mexico C-141 Initial Report, an additional release was discovered on January 4, 2018 and approximately sixty-one (61) barrels of produced water and oil were released from a flowline leak. Approximately fifty-five (55) barrels of fluid were recovered. Immediate action was to isolate the flow line, again effectively stopping the release. No fluids were recovered from the release. The initial C-141 form is included in Appendix A. On January 10, 2018, at the Battle Axe 27 Fed CTB a fire occurred after some liquid carry over to the flare was pushed out and ignited, causing a fire at the base of the flare. Fire remained on the pad and was extinguished shortly after by COP personnel. No RP was issued for this incident.

Tetra Tech

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SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. However, the site is just inside the boundary of a high karst potential area. There were no wells listed in Section 27 on the New Mexico Office of the State Engineer's (NMOSE) website. There are nine (9) water wells listed for Township 26 South and Range 32 East, and the average depth to water is 239' below ground surface (bgs). The groundwater data and a karst potential map are provided in Appendix B.

REGULATORY FRAMEWORK

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil.

Based upon the Site characterization, the proposed RRALs are:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO + ORO): 100 mg/kg (Based upon the karst potential);
- Based on the karst potential in the area, the proposed RRAL for chlorides is 600 mg/kg.

INITIAL SITE ASSESSMENT

On December 25, 2017, COP personnel were onsite to visually assess the initial release at Battle Axe 27 Federal Com 2H. The initial release was mapped, and photographs were taken of the impacted area. Based on the assessment, ConocoPhillips was able to prepare a Corrective Action Plan (CAP) for the release (1RP-4903), dated January 17, 2018. The CAP outlined sample locations in pooled areas in order to delineate the release. A second CAP (also dated January 17, 2018) was prepared for the additional release (1RP-4916) and also submitted to NMOCD.

The delineation and remediation activities were described within both CAPs submitted to NMOCD. Due to the releases having footprints which overlapped, COP requested that the same remediation be used for both releases. Email correspondence between NMOCD and COP indicated that NMOCD had approved the proposed delineation plan for both releases (1RP-4903 and 1RP-4916) on Feb 27, 2018. Approximate release extents are indicated in Figure 3.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From June 5 through July 19, 2018, Tetra Tech personnel were onsite to supervise the excavation and remediation activities at the Site. The excavated areas and depths of excavation are shown on Figure 4. The excavated areas ranged from 1.0 to 8.0 feet below surface. The excavation widths and depths were guided based on the assessment and confirmation sampling data to properly remove the impacted soils. There are several surface and subsurface pipelines within the release footprint. Impacted soil near these lines was excavated to the maximum depth and horizontal extent practicable (Figure 4).

Confirmation samples were collected from the sidewalls and at bottom of the excavations to verify that the impacted materials were properly removed. Each confirmation sample result was directly compared to the proposed RRALs to demonstrate compliance. If the proposed RRAL was exceeded, where practical, additional excavation was conducted until closure criteria were attained. A total of thirty-eight (38) samples were collected from eight (8) bottom hole locations (AH-1 through AH-8) during the remedial activities (Figure 3). A total of thirty-one (31) samples from twenty-two (22) sidewall locations were collected during the remedial activities (Figure 3). The samples were placed into laboratory provided sample containers,

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October 15, 2019

ConocoPhillips

transferred under chain of custody, and analyzed within appropriate holding times by Pace Analytical (Pace). The soil samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B and chlorides by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1.

All final confirmation soil samples (bottom hole and sidewall) were below the RRALs for BTEX, TPH and chloride, except for the final bottom hole samples from AH-8 and sidewall samples ESW-6 and ESW-8. The analytical results associated with the final bottom hole samples from AH-8 exceeded the most stringent RRAL for TPH (100 mg/kg). However, this area was excavated to the maximum depth and horizontal extent practicable due to site sensitivities to an active 14" surface poly line (Figure 4). Sidewall sample ESW-8 also exceeded the RRAL for TPH. However, the ESW-8 sample location was adjacent to the same active 14" surface poly line and could not be expanded to the east due to production equipment.

Sidewall sample ESW-6 exceeded the RRAL for chloride (922 mg/kg). However, this location is adjacent to a sidewall shared with a subsurface pipeline and any further excavation created a safety concern. An additional surface confirmation sample (ESW-6 (10')) was collected 10 feet east of the original ESW-6 location and results were below the chloride RRAL. This surface confirmatory sample defined the horizontal extent of contamination. The proposed RRALs for the site are set at the most stringent level, due to the karst potential (for an unstable area) at the release location. Although an environmental issue of concern, karst collapse is unlikely at this release site as the medium karst potential zone lies less than 150 feet east of the release point. Additionally, in each of these cases, given the depth to groundwater in the area, the remaining contaminants will not pose a threat to present or foreseeable beneficial use of fresh water, public health and the environment.

All the excavated material was transported offsite for proper disposal. Approximately 800 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Photographs from the remediated site excavated areas prior to backfill are provided in Appendix D. Once completed, the excavated areas were backfilled with clean material to surface grade. Copies of the waste manifests are included in Appendix E.

CONCLUSION

COP respectfully requests closure of this release, based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call me at (512) 338-2861 or Greg at (432) 682-4559.

Sincerely,
Tetra Tech, Inc.



Christian M. Llull, P.G.
Project Manager



Greg W. Pope, P.G.
Program Manager

cc:
Ms. Jenni Fortunato, RMR – ConocoPhillips
Mr. Gustavo Fejervary-Morena, GPBU - ConocoPhillips

Closure Report
October 15, 2019

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List of Attachments

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent
- Figure 4 – Remediation Extent and Confirmation Sample Locations

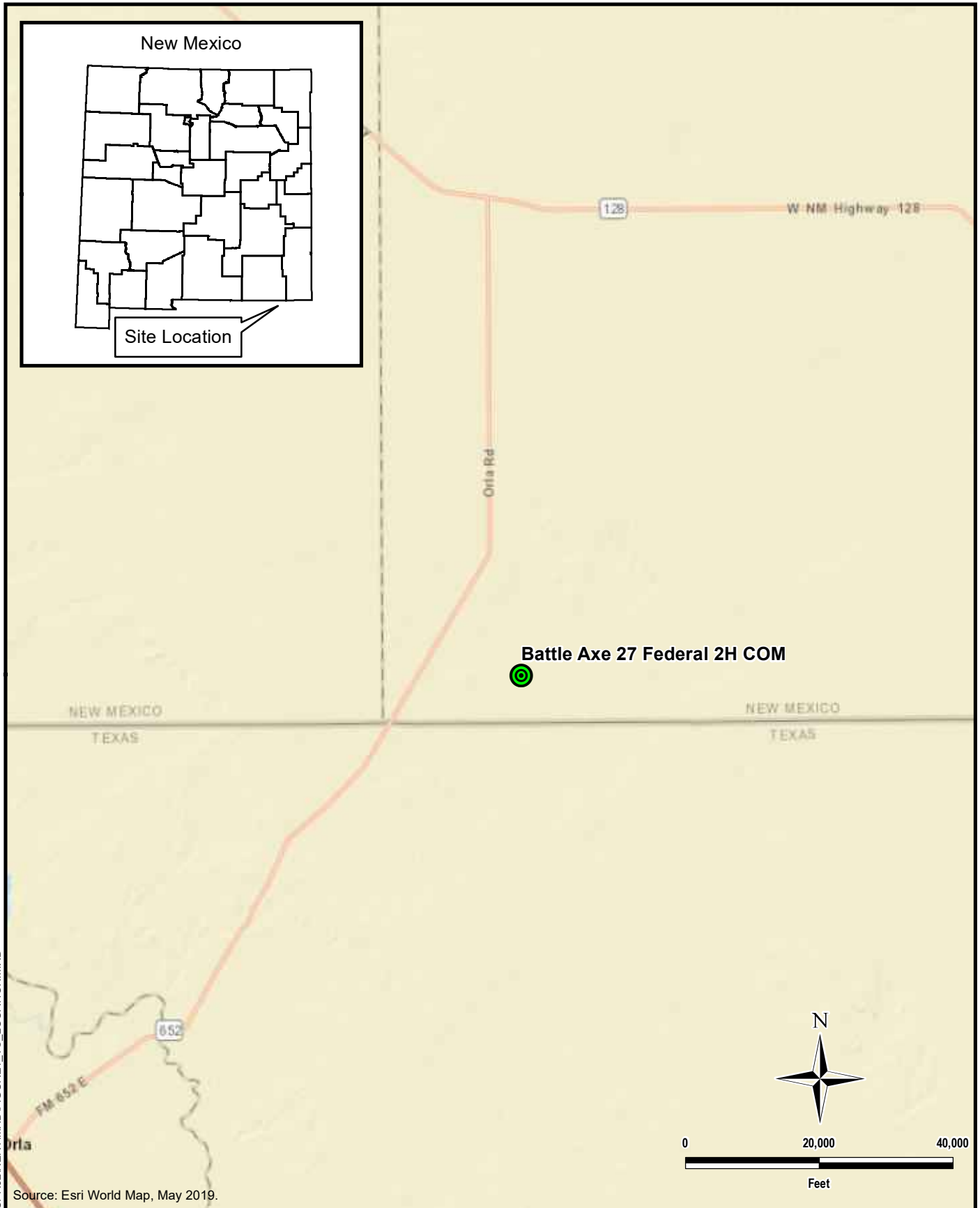
Tables:

- Table 1 – Summary of Analytical Results – Confirmation Sampling Events

Appendices:

- Appendix A – C-141 Form
- Appendix B – NMOSE Groundwater Data and Karst Potential Map
- Appendix C – Laboratory Analytical Data
- Appendix D – Photo Documentation
- Appendix E – Waste Manifests

FIGURES



\\TTS134FS1\UP-GIS\ARCP\2\NERT\MXD\FIGURE1_TS_LOCATION.MXD



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CONOCOPHILLIPS

1RP-4903/1RP-4916
(32.019344°, -103.655959°)
LEA COUNTY, NEW MEXICO

**BATTLE AXE 27 FEDERAL 2H COM
OVERVIEW MAP**

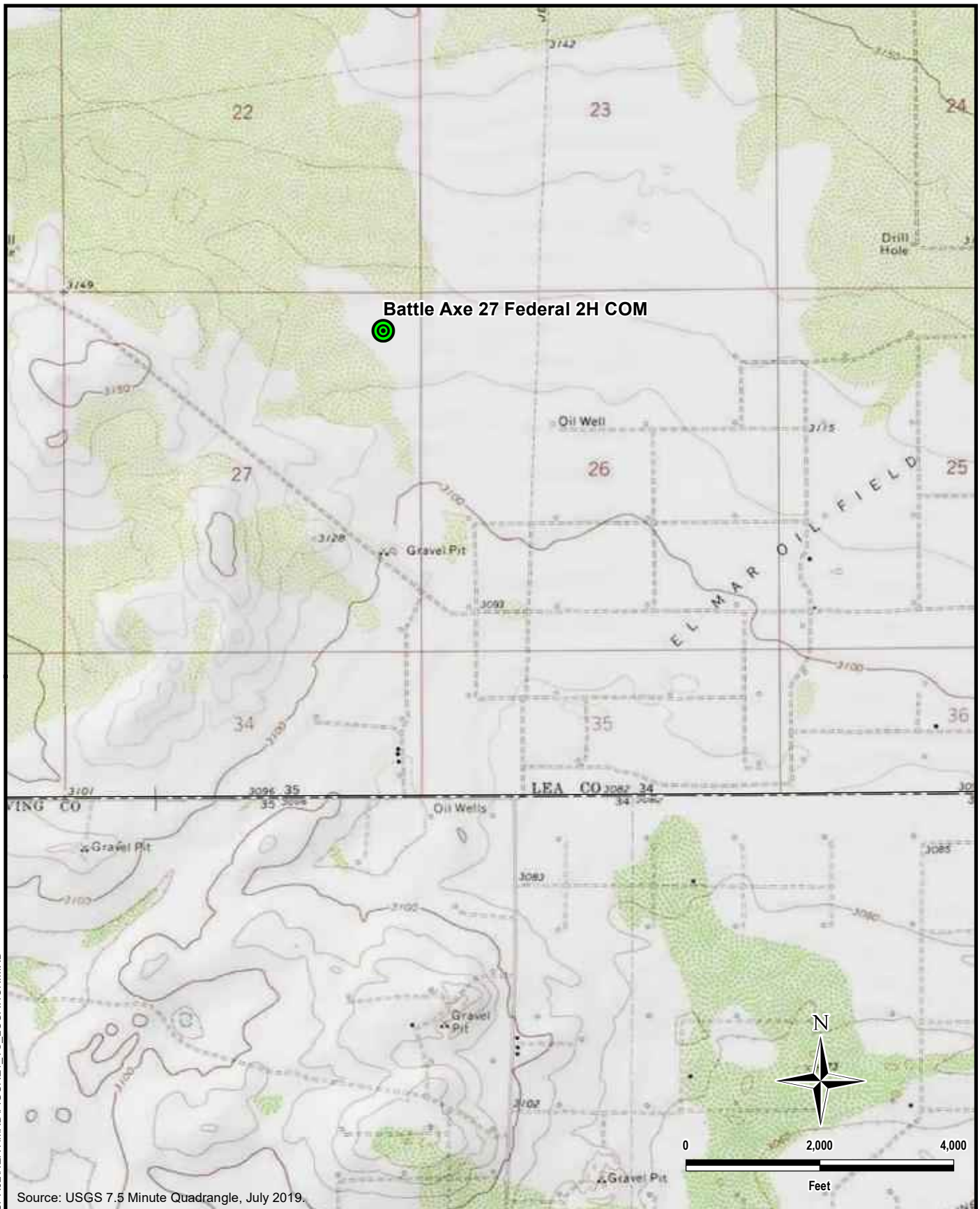
PROJECT NO.: 212C-MD-01269

DATE: AUGUST 23, 2019

DESIGNED BY: AAM

Figure No.

1



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CONOCOPHILLIPS

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(32.019344°, -103.655959°)
LEA COUNTY, NEW MEXICO

**BATTLE AXE 27 FEDERAL 2H COM
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-01269

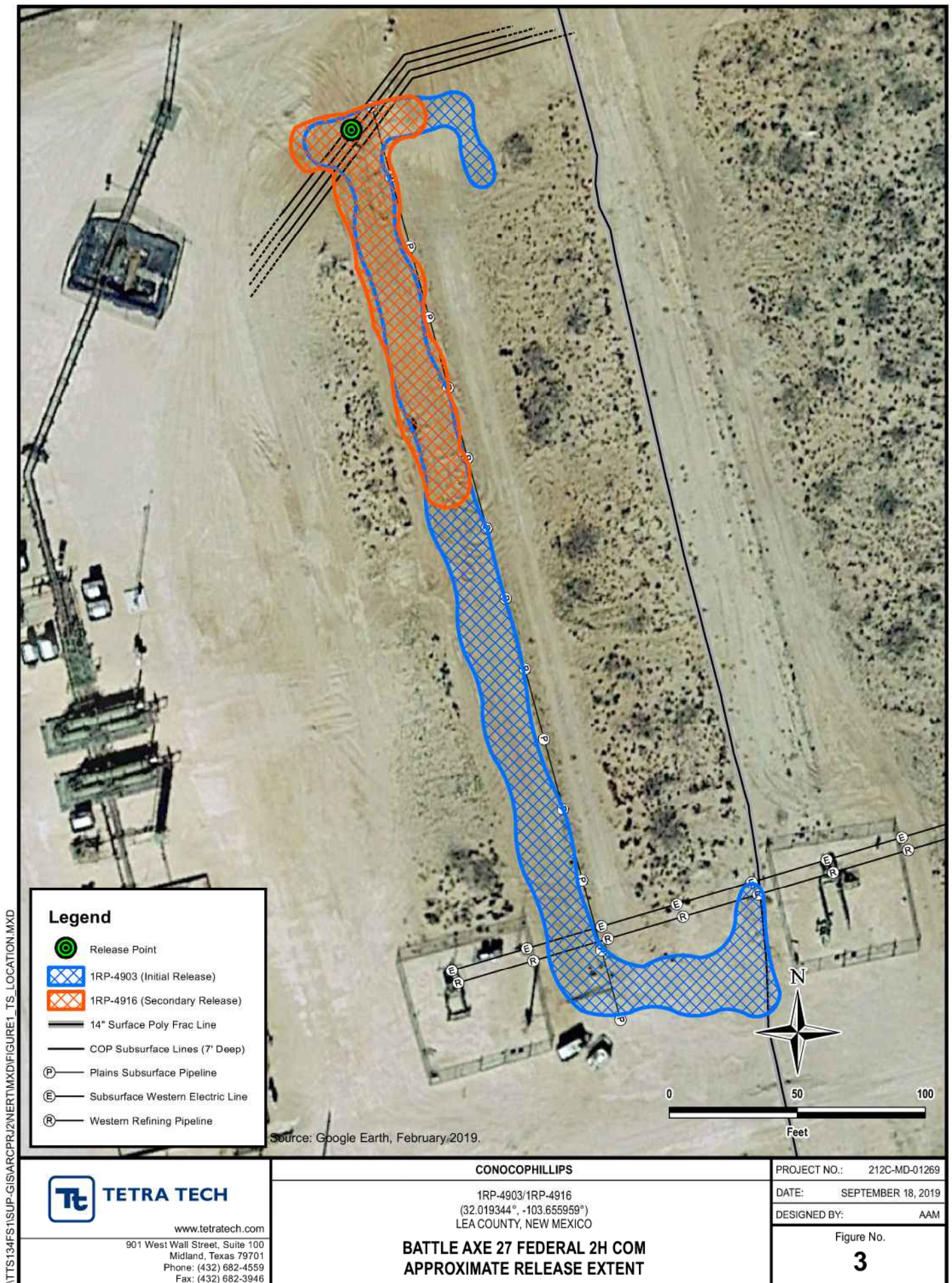
DATE: AUGUST 23, 2019

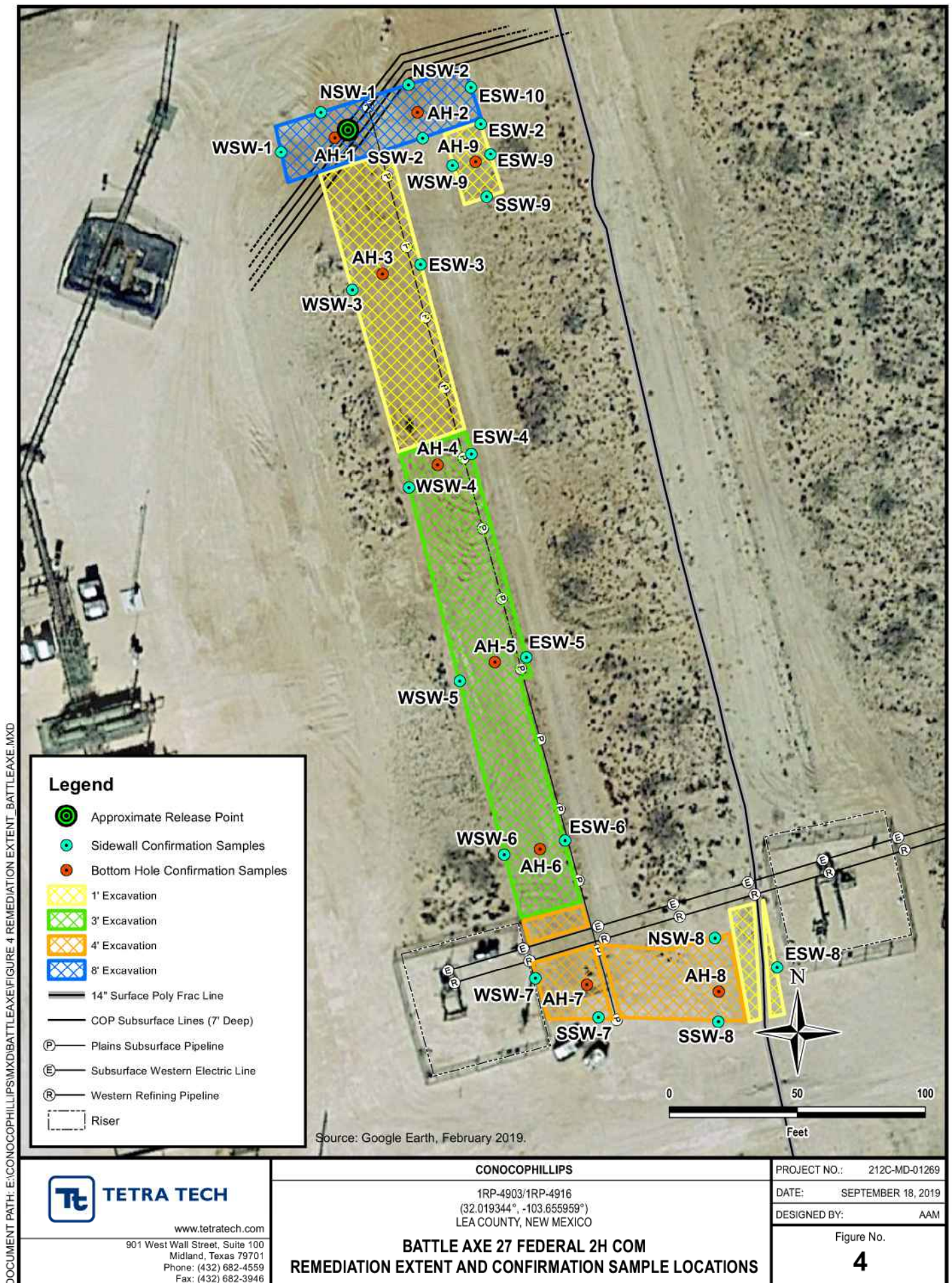
DESIGNED BY: AAM

Figure No.

2

\\TTS134FS1\SUP-GIS\ARCP\J2N\TERTMX\FIGURE1_TS_LOCATION.MXD





TABLES

TABLE 1
CONOCOPHILLIPS
ANALYTICAL DATA SUMMARY
CONFIRMATION SAMPLING EVENTS
BATTLE AXE 27 FEDERAL 2H COM
LEA COUNTY, NEW MEXICO
1RP-4903, 1RP-4916

Sample ID	Sample Date	Sample Interval	Field Screening Results		Chloride ¹		BTEX ²								TPH ³							
			PID	Chlorides			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO ⁴		DRO		ORO		Total TPH (C ₆ - C ₃₆)
		ft. bgs	ppm	ppm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	C ₆ - C ₁₀	Q	C ₁₀ - C ₂₈	Q	C ₂₈ - C ₄₀	Q	mg/kg
AH-1	06/08/18	1-2	13.9	136	59.8		< 0.000538		< 0.00168		< 0.000713		< 0.00643		-	< 0.0292		< 2.16		0.377	J	0.377
	06/05/18	2-3	10.8	182	100.0		< 0.000423		< 0.00132		< 0.000560		< 0.00505		-	0.0386	B J	22.1		8.73		30.8686
	06/08/18	2-3	10.8	100	57.6		< 0.000534		< 0.00167		< 0.000708		< 0.00638		-	0.0290	J	< 2.15		< 0.366		0.0290
	06/08/18	3-4	10.4	101	51.6		< 0.000513		< 0.00160		< 0.000680		< 0.00614		-	0.0351	J	< 6.20		< 1.06		0.0351
AH-2	06/05/18	0-1	1,705	2180	1880		0.0553		1.15		0.371		9.25		10.826	603		4420		976		5999
	06/05/18	1-2	2,932	1970	1900		0.46		14.2		3.83		55.3		73.79	2440		4270		830		7540
	06/05/18	2-3	2,969	2250	521		0.151		4.21		1.05		16.8		22.211	2040		1070		196		3306
	06/06/18	3-4	849.7	109	60.6		0.164		7.06		1.53		26.5		35.25	776		738		92.0		1606
	06/06/18	4-5	257.8	229	58.5		< 0.000466		0.00168	J	< 0.000618		0.0149		0.01658	1.29		28.1		4.24	J	33.63
	06/06/18	5-6	230.0	820	71.1		< 0.000513		< 0.00160		< 0.000680		0.0109		0.0109	1.60		43.9		4.92	J	50.42
	08/01/18	8-9	-	435	77.3		< 0.000479		< 0.0015		< 0.000634		< 0.00572		-	2.85		21.4		7.85		32.1
	06/06/18	1-2	14.6	200	57.8		0.000899	J	< 0.00137		< 0.000582		< 0.00525		0.000899	0.0256	J	< 1.77		0.321	J	0.3466
AH-3	06/06/18	2-3	22.3	70.4	57.1		< 0.000495		< 0.00155		< 0.000656		< 0.00592		-	0.0433	J	< 1.99		< 0.339		0.0433
	06/06/18	3-4	9.5	77.5	47.0		< 0.000426		< 0.00133		< 0.000564		< 0.00509		-	0.033	J	< 1.71		< 0.292		0.033
	06/06/18	3-4	-	-	54.6		< 0.000450		< 0.00141		< 0.000596		< 0.00538		-	0.0286	J	< 1.81		2.45	J	2.479
AH-4	06/06/18	4-5	-	-	52.1		< 0.000439		< 0.00137		< 0.000581		< 0.00524		-	< 0.0238		< 1.77		0.431	J	0.431
	06/06/18	5-6	-	-	53.1		< 0.000449		< 0.00140		< 0.000595		< 0.00537		-	< 0.0244		< 1.81		< 0.308		-
	06/05/18	0-1	523.0	523	559		0.000902	J	< 0.00271		0.00843		0.142		0.151332	130		1870		403		2403
AH-5	06/05/18	1-2	123.0	123	68.8		< 0.000450		< 0.00141		< 0.000597		< 0.00538		-	0.0920	B J	10.5		11.1		21.692
	06/05/18	2-3	106.0	206	57.4		< 0.000517		< 0.00161		< 0.000685		< 0.00618		-	0.059	B J	9.03		9.32		18.409
	06/07/18	3-4	50.0	95.0	49.2		< 0.000493		< 0.00154		0.000858	J	< 0.00589		0.000858	< 0.0268		2.03	J	1.16	J	3.19
	06/07/18	4-5	19.3	103	33.5		< 0.000418		< 0.00131		< 0.000554		< 0.00500		-	< 0.0227		< 1.68		0.61	J	0.61
	06/07/18	5-6	11.7	133	34.8		< 0.000426		< 0.00133		< 0.000564		< 0.00509		-	< 0.0231		< 1.71		< 0.292		-
AH-6	06/05/18	0-1	206.0	206	148		0.00348	J	0.0578		0.154		5.56		5.77528	443		3610		684		4737
	06/05/18	1-2	73.9	73.9	40.1		< 0.000443		< 0.00138		< 0.000587		< 0.00529		-	0.149		54.1		13.9		68.149
	06/05/18	2-3	117.0	117	59.6		< 0.000493		< 0.00154		< 0.000654		< 0.00590		-	0.108	J	22.3		8.27		30.678
	06/06/18	3-4	13.7	167	43.4		< 0.000448		< 0.00140		< 0.000594		< 0.00536		-	< 0.0243		< 1.80		3.36	J	3.36
AH-7	06/07/18	0-1	417.5	-	62.7		< 0.00185		0.0159	J	0.110		3.99		4.1159	262		1070		170		1502
	06/07/18	1-2	225.4	-	64.6		< 0.000510		< 0.00159		< 0.000676		0.0110		0.0110	1.02		13.9		1.9	J	16.82
	06/07/18	2-3	200.1	-	50.8		< 0.000445		< 0.00139		< 0.000590		< 0.00532		-	0.0614	J	12.2		3.21	J	15.471
	06/07/18	3-4	81.7	95.0	33.8		< 0.000439		< 0.00137		< 0.000581		< 0.00524		-	< 0.0238		11.4		2.7	J	14.1
	06/11/18	3-4	13.5	92.3	47.6		< 0.000423		< 0.00135		< 0.000573		< 0.00517		-	< 0.0235		< 1.27		1.24	J	1.24
	06/07/18	4-5	51.4	75.2	35.8		< 0.000439		< 0.00137		< 0.000582		< 0.00525		-	0.0257	J	21.5		4.41		25.9357
	06/11/18	4-5	12.1	89.3	49.9		< 0.000438		< 0.00137		< 0.000581		< 0.00524		-	< 0.0238		< 1.76		1.55	J	1.55
AH-8	06/11/18	3-4	564.3	95.0	52.9		< 0.000434		0.132		0.360		9.30		9.792	253		910		187		1350.0
	06/11/18	4-5	131.1	79.6	47.2		< 0.000443		< 0.00139		0.000951	J	< 0.00530		0.000951	0.588		127		32.6		160.2
	06/11/18	5-6	135.1	80.3	53.5		< 0.000444		< 0.00139		0.000703	J	0.00890		0.009603	0.377		238		53.1		291.5

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			PID	Chlorides			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO ⁴		DRO		ORO		Total TPH (C ₆ - C ₃₆)	
		ft. bgs	ppm	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
NSW-1	06/08/18	-	2.6	137	64.1		< 0.000511		< 0.00160		< 0.000678		< 0.00611		-	< 0.0277		3.87	J	6.66			10.53
WSW-1	06/08/18	-	3.0	220	70.7		< 0.000435		< 0.00136		< 0.000576		< 0.00520		-	< 0.0236		2.4	J	5.63			8.03
NSW-2	06/06/18	-	-	-	801	J6	0.410		24.7		6.03		92.7		123.84	3120		4620		649			8389
NSW-2 (5')*	08/01/18	-	-	493	56.4		< 0.000472		< 0.00148		< 0.000626		< 0.00564		-	< 0.0256		< 1.9		< 0.323			-
ESW-2	06/06/18	-	-	-	59.6		< 0.000477		< 0.00149		< 0.000633		< 0.00570		-	0.102	J	< 1.92		0.531	J		0.633
SSW-2	06/06/18	-	-	-	44.1		< 0.000417		< 0.00130		< 0.000552		< 0.00498		-	0.0333	J	< 1.68		0.645	J		0.6783
ESW-3	06/05/18	-	10.0	-	4710		< 0.000455		< 0.00142		< 0.000603		< 0.00544		-	0.112	B J	10.5		4.48	J		15.092
ESW-3 (3')*	07/11/18	-	2.0	200	65.8		< 0.000407		< 0.00127		< 0.000539		< 0.00486		-	< 0.0221		< 1.64		4.21			4.21
ESW-3 (10')**	06/06/18	-	-	-	45.8		< 0.000422		< 0.00132		< 0.000559		< 0.00504		-	< 0.0229		< 1.70		3.25	J		3.25
WSW-3	06/05/18	-	5.5	120	3310		< 0.00107		< 0.00537		< 0.00268		< 0.00698		-	0.045	B J	< 1.73		1.24			1.285
WSW-3 (1')*	06/07/18	-	5.5	112	68.6		< 0.000486		< 0.00152		< 0.000644		< 0.00581		-	< 0.0264		< 1.96		0.766	J		0.766
ESW-4	06/06/18	-	14.0	4220	1290		< 0.000503		< 0.00157		< 0.000666		0.00802	J	0.00802	0.0696	J	< 2.02		< 0.344			0.0696
ESW-4 (3')*	07/11/18	-	1.0	87	47.3		< 0.000429		< 0.00134		< 0.000569		< 0.00513		-	0.0272	J	< 1.73		< 0.294			0.0272
ESW-4 (10')**	06/07/18	-	9.0	102	82.7		< 0.000421		< 0.00131		< 0.000557		< 0.00503		-	< 0.0228		4.92		2.95	J		7.87
WSW-4	06/06/18	-	-	520	314	J3	< 0.000441		< 0.00138		< 0.000585		< 0.00527		-	< 0.0239		< 1.78		0.571	J		0.571
ESW-5	06/07/18	-	13.0	4540	4440		< 0.000434		< 0.00136		< 0.000575		< 0.00519		-	< 0.0236		< 1.75		1.35	J		1.35
ESW-5 (3')*	07/11/18	-	0.2	79.7	115		< 0.000422		< 0.00132		< 0.000559		< 0.00504		-	0.0285	J	< 1.7		0.703	J		0.7315
ESW-5 (10')**	06/07/18	-	4.7	60.9	40.2		< 0.000425		< 0.00133		< 0.000563		< 0.00508		-	< 0.0231		< 1.71		2.49	J		2.49
WSW-5	06/07/18	-	10.5	92.3	16.0		< 0.000419		< 0.00131		< 0.000555		< 0.00501		-	< 0.0227		< 1.69		2.52	J		2.52
ESW-6	06/06/18	-	7.4	1060	922		< 0.000434		< 0.00136		< 0.000575		< 0.00519		-	< 0.0235		< 1.75		0.73	J		0.73
ESW-6 (10')**	06/06/18	-	4.8	64.5	53.9		< 0.000496		< 0.00155		< 0.000657		< 0.00592		-	0.0343	J	< 2.00		3.66	J		3.6943
WSW-6	06/06/18	-	5.1	165	52.0		< 0.000502		< 0.00157		< 0.000665		< 0.00599		-	< 0.0272		< 2.02		1.3	J		1.3
SSW-7	06/11/18	-	6.0	74.4	47.6		< 0.000429		0.00136	J	< 0.000569		< 0.00513		0.00136	< 0.0233		< 1.73		1.77	J		1.77
WSW-7	06/11/18	-	10.6	175	63.9		< 0.000426		< 0.00133		0.00065	J	< 0.00509		0.00065	< 0.0231		< 1.72		2.31	J		2.31
NSW-8	06/11/18	-	5.9	117	54.8		< 0.000488		< 0.00153		< 0.000647		< 0.00583		-	< 0.0265		< 1.96		0.983	J		1.0
ESW-8	06/12/18	-	-	200	59.5		< 0.000420		< 0.00131		< 0.000557		< 0.00502		-	< 0.0228		82.8		40.5			123.3
SSW-8	06/11/18	-	4.8	76.9	45.9		< 0.000432		< 0.00135		< 0.000572		< 0.00516		-	< 0.0234		< 1.74		1.33	J		1.3
ESW-9	06/08/18	-	13.0	101	33.5		< 0.000419		< 0.00131		< 0.000555		< 0.00500		-	< 0.0227		3.25	J	4.47			7.72
SSW-9	06/08/18	-	9.0	110	55.8		< 0.000498		< 0.00156		< 0.000660		< 0.00595		-	< 0.0270		< 2.01		< 0.341			-
WSW-9	06/08/18	-	73.9	92.7	44.2		< 0.000423		< 0.00132		< 0.000560		< 0.00505		-	0.0259	J	34.9		13.2			48.13
ESW-10	08/01/18	-	-	385.0	59.9		< 0.00046		< 0.00144		< 0.000609		< 0.00549		-	< 0.0249		< 1.85		1.64	B J		1.64

NOTES:

Bold and italicized values indicate exceedance of proposed RRALs.

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

** These surface confirmatory samples were collected to define the horizontal extent of contamination. These samples were collected 10' east of the original sidewall sample locations.

ft.	Feet		
bgs	Below ground surface	B	The same analyte was found in the associated blank.
mg/kg	Milligrams per kilogram	J	The identification of the analyte is acceptable; the reported value is an estimate.
ppm	Parts per million	J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
TPH	Total Petroleum Hydrocarbons	1	Method 9056A
GRO	Gasoline range organics	2	Method 8260B
DRO	Diesel range organics	3	Method 8015
ORO	Oil range organics	4	Method 8015D/GRO

APPENDIX A C-141 Form

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Jose A Zepeda
Address: 1410 N West County Rd	Telephone No. 575-391-3165
Facility Name: Battle Axe 27 Federal COM 2H Well	Facility Type: Flow Line
Surface Owner: FED LSE	Mineral Owner: Federal
API No. 30-025-42896	

LOCATION OF RELEASE

Unit Letter A	Section 27	Township 26S	Range 32E	Feet from the 283 FNL	North/South Line	Feet from the 245 FEL	East/West Line	County LEA
-------------------------	----------------------	------------------------	---------------------	---------------------------------	------------------	---------------------------------	----------------	----------------------

Latitude 32.020117 Longitude -103.654983

NATURE OF RELEASE

Type of Release: PRODUCE WATER & OIL MIX	Volume of Release: 26	Volume Recovered: 20
Source of Release: Flow Line	Date and Hour of Occurrence 12/25/2017 1140	Date and Hour of Discovery SAME
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu, & Shelly Tucker	
By Whom? Jose A Zepeda	Date and Hour: 12/25/2017 2030 Via Email	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully. *		
N/A		


RECEIVED
By Olivia Yu at 10:39 am, Dec 26, 2017

Describe Cause of Problem and Remedial Action Taken. *

On December 25, 2017 at 1140 hrs. at Battle Axe 27 Federal COM 2H Well, a release was found originating from a flow line. Release resulted in a release of 26 bbl. Of PW/Oil Mix with 20 bbl. recovered. Immediate action was to isolate the flow line stopping the release. Spill site will be remediated per COPC & BLM, and NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. *

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: JOSE A ZEPEDA		OIL CONSERVATION DIVISION	
Printed Name: Jose A Zepeda		Approved by Environmental Specialist: 	
Title: LEAD HSE	Approval Date: 12/26/2017	Expiration Date:	
E-mail Address: Jose. A. Zepeda@conocophillips.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>	
Date: 12/25/2017	Phone: 575-391-3165		

* Attach Additional Sheets If Necessary

1RP-4903

nOY1736038566

pOY1736038909

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

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

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Joseph McLaughlin
Address: 3695 Highway 285, Orla TX	Telephone No. 806-567-2790
Facility Name: Battle Axe 27 Federal COM 2H Well	Facility Type: Flow Line
Surface Owner: FED LSE	Mineral Owner: Federal
API No. 30-025-42896	

LOCATION OF RELEASE

Unit Letter A	Section 27	Township 26S	Range 32E	Feet from the 283 FNL	North/South Line	Feet from the 245 FEL	East/West Line	County LEA
-------------------------	----------------------	------------------------	---------------------	---------------------------------	------------------	---------------------------------	----------------	----------------------

Latitude 32.020117 Longitude -103.654983

NATURE OF RELEASE

Type of Release: PRODUCE WATER & OIL MIX	Volume of Release: 61	Volume Recovered: 55
Source of Release: Flow Line	Date and Hour of Occurrence 1/4/2018 0800	Date and Hour of Discovery SAME
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu, & Shelly Tucker	
By Whom? Joseph McLaughlin	Date and Hour: 1/8/2018 1030 phone call	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully. *		
N/A		

RECEIVED


By Olivia Yu at 11:29 am, Jan 08, 2018

Describe Cause of Problem and Remedial Action Taken. *

On January 4, 2018 at 0800 hrs. at Battle Axe 27 Federal COM 2H Well, a release was found originating from a flow line. Release resulted in a release of 61 bbl. Of PW/Oil Mix with 55 bbl. recovered. Immediate action was to isolate the flow line stopping the release. Spill site will be remediated per COPC & BLM, and NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. *

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: Joseph McLaughlin	OIL CONSERVATION DIVISION	
Printed Name: Joseph McLaughlin	Approved by Environmental Specialist: 	
Title: HSE	Approval Date: 1/8/2018	Expiration Date:
E-mail Address: Joe.P.McLaughlin@conocophillips.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: 1/8/2018	Phone: 806-567-2790	

* Attach Additional Sheets If Necessary

1RP-4916

nOY1800841704

pOY1800841951

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B

NMOSE Groundwater Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 27

Township: 26S

Range: 32E

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

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Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water










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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q						X	Y	Depth Well	Depth Water	Water Column	
				64	16	4	Sec	Tws	Rng						
C 02271	R	CUB	LE	2	3	21	26S	32E	624449	3544111*		150	125	25	
C 02271 POD2		CUB	LE	3	2	3	21	26S	32E	624348	3544010*		270	250	20
C 02274		CUB	LE	2	1	2	31	26S	32E	621742	3541730*		300	295	5
C 02323		C	LE	3	2	3	21	26S	32E	624348	3544010*		405	405	0
C 03537 POD1		CUB	LE	3	2	3	21	26S	32E	624250	3543985		850		
C 03595 POD1		CUB	LE	4	2	3	21	26S	32E	624423	3544045		280	180	100
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186		646	350	296
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619		360	155	205
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657		340	155	185

Average Depth to Water: **239 feet**

Minimum Depth: **125 feet**

Maximum Depth: **405 feet**

Record Count: 9

PLSS Search:

Township: 26S

Range: 32E

*UTM location was derived from PLSS - see Help

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

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Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

KARST POTENTIAL MAP





Battle Axe 27 Federal 2H Com Releases

Unit Letter A, Section 27, Township 26 South, Range 32 East

Lea County, New Mexico

1RP-4903, 1RP-4916

Legend

-  Point of Release
-  High
-  Low
-  Medium

32.019344, -103.655959

Google Earth



1 mi

APPENDIX C

Laboratory Analytical Data



ANALYTICAL REPORT

June 19, 2018

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1000908
Samples Received: 06/12/2018
Project Number: 212C-MD-01269
Description: Battle Axe 27 Fed Com 2H
Site: BATTLE AXE 27
Report To: Kayla Taylor
4001 N. Big Spring St., Ste. 401
Midland, TX 79705

Entire Report Reviewed By:

Chris McCord

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
AH-1 (0-1') L1000908-01	7
AH-1 (1-2') L1000908-02	8
AH-1 (2-3') L1000908-03	9
AH-2 (0-1') L1000908-04	10
AH-2 (1-2') L1000908-05	11
AH-2 (2-3') L1000908-06	12
WSW-3 L1000908-07	13
ESW-3 L1000908-08	14
AH-5 (0-1') L1000908-09	15
AH-5 (1-2') L1000908-10	16
AH-5 (2-3') L1000908-11	17
AH-6 (0-1') L1000908-12	18
AH-6 (1-2') L1000908-13	19
AH-6 (2-3') L1000908-14	20
Qc: Quality Control Summary	21
Total Solids by Method 2540 G-2011	21
Wet Chemistry by Method 9056A	23
Volatile Organic Compounds (GC) by Method 8015D/GRO	24
Volatile Organic Compounds (GC/MS) by Method 8260B	26
Semi-Volatile Organic Compounds (GC) by Method 8015	30
Gl: Glossary of Terms	31
Al: Accreditations & Locations	32
Sc: Sample Chain of Custody	33



AH-1 (0-1') L1000908-01 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 11:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 14:50	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1	06/12/18 20:55	06/14/18 20:06	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	1	06/12/18 20:55	06/13/18 04:36	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/15/18 18:36	DMW

¹ Cp² Tc³ Ss⁴ Cn

AH-1 (1-2') L1000908-02 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 11:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	10	06/12/18 23:59	06/14/18 14:59	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	100	06/12/18 20:55	06/14/18 23:43	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123689	4	06/12/18 20:55	06/13/18 13:22	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/15/18 19:16	DMW
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	5	06/15/18 12:56	06/16/18 02:23	DMW

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AH-1 (2-3') L1000908-03 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 11:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 15:09	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1	06/12/18 20:55	06/14/18 20:28	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	1	06/12/18 20:55	06/13/18 05:18	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/15/18 19:29	DMW

AH-2 (0-1') L1000908-04 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 13:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	5	06/12/18 23:59	06/14/18 15:18	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	200	06/12/18 20:55	06/14/18 20:50	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	40	06/12/18 20:55	06/13/18 05:39	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	20	06/15/18 12:56	06/16/18 02:48	DMW

AH-2 (1-2') L1000908-05 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 13:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	5	06/12/18 23:59	06/14/18 15:47	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1000	06/12/18 20:55	06/14/18 21:12	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	200	06/12/18 20:55	06/13/18 05:59	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	20	06/15/18 12:56	06/16/18 03:01	DMW

AH-2 (2-3') L1000908-06 Solid

			Collected by	Collected date/time	Received date/time
			Clint Merritt	06/05/18 13:10	06/12/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 15:56	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	500	06/12/18 20:55	06/14/18 21:34	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	100	06/12/18 20:55	06/13/18 06:20	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/15/18 20:09	DMW
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	10	06/15/18 12:56	06/16/18 03:14	DMW

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

WSW-3 L1000908-07 Solid

			Collected by	Collected date/time	Received date/time
			Clint Merritt	06/05/18 16:00	06/12/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	10	06/12/18 23:59	06/14/18 16:06	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1	06/12/18 20:55	06/14/18 21:55	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	1	06/12/18 20:55	06/13/18 06:41	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/16/18 01:58	DMW

ESW-3 L1000908-08 Solid

			Collected by	Collected date/time	Received date/time
			Clint Merritt	06/05/18 16:05	06/12/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	10	06/12/18 23:59	06/14/18 16:15	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1	06/12/18 20:55	06/14/18 22:17	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123588	1	06/12/18 20:55	06/13/18 07:02	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/16/18 02:10	DMW

AH-5 (0-1') L1000908-09 Solid

			Collected by	Collected date/time	Received date/time
			Clint Merritt	06/05/18 14:00	06/12/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 16:25	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	100	06/12/18 20:55	06/14/18 22:38	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124412	2	06/12/18 20:55	06/14/18 12:22	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	10	06/15/18 12:56	06/16/18 02:36	DMW

AH-5 (1-2') L1000908-10 Solid

			Collected by	Collected date/time	Received date/time
			Clint Merritt	06/05/18 14:05	06/12/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124369	1	06/14/18 14:09	06/14/18 14:23	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 16:54	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1	06/12/18 20:55	06/14/18 23:00	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123738	1	06/12/18 20:55	06/13/18 14:42	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/15/18 21:03	DMW

AH-5 (2-3') L1000908-11 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 14:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124370	1	06/14/18 10:58	06/14/18 11:07	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 17:03	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1123825	1	06/12/18 20:55	06/14/18 23:22	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123738	1	06/12/18 20:55	06/13/18 15:02	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/15/18 21:17	DMW

¹ Cp² Tc³ Ss⁴ Cn

AH-6 (0-1') L1000908-12 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 15:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124370	1	06/14/18 10:58	06/14/18 11:07	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 17:13	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	200	06/12/18 20:55	06/18/18 07:38	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124412	8	06/12/18 20:55	06/14/18 12:41	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	20	06/15/18 12:56	06/16/18 03:27	DMW

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-6 (1-2') L1000908-13 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 15:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124370	1	06/14/18 10:58	06/14/18 11:07	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 17:41	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/12/18 20:55	06/18/18 00:47	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123738	1	06/12/18 20:55	06/13/18 15:22	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/16/18 01:45	DMW

⁹ Sc

AH-6 (2-3') L1000908-14 Solid

Collected by
Clint Merritt

Collected date/time
06/05/18 15:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1124370	1	06/14/18 10:58	06/14/18 11:07	KDW
Wet Chemistry by Method 9056A	WG1123435	1	06/12/18 23:59	06/14/18 17:51	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/12/18 20:55	06/18/18 01:09	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123738	1	06/12/18 20:55	06/13/18 15:41	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124295	1	06/15/18 12:56	06/16/18 06:12	DMW

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Technical Service Representative

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

Collected date/time: 06/05/18 11:00

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	54.0		0.895	11.3	1	06/14/2018 14:50	WG1123435

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0331	B J	0.0244	0.113	1	06/14/2018 20:06	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 20:06	WG1123825

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00165		0.000450	0.00113	1	06/13/2018 04:36	WG1123588
Toluene	U		0.00141	0.00563	1	06/13/2018 04:36	WG1123588
Ethylbenzene	U		0.000596	0.00281	1	06/13/2018 04:36	WG1123588
Total Xylenes	U		0.00538	0.00732	1	06/13/2018 04:36	WG1123588
(S) Toluene-d8	115			80.0-120		06/13/2018 04:36	WG1123588
(S) Dibromofluoromethane	102			74.0-131		06/13/2018 04:36	WG1123588
(S) a,a,a-Trifluorotoluene	98.8			80.0-120		06/13/2018 04:36	WG1123588
(S) 4-Bromofluorobenzene	120			64.0-132		06/13/2018 04:36	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.16	J6	1.81	4.50	1	06/15/2018 18:36	WG1124295
C28-C40 Oil Range	3.44	J	0.308	4.50	1	06/15/2018 18:36	WG1124295
(S) o-Terphenyl	65.0			18.0-148		06/15/2018 18:36	WG1124295

Collected date/time: 06/05/18 11:05

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	4490		8.60	108	10	06/14/2018 14:59	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	107		2.35	10.8	100	06/14/2018 23:43	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120		06/14/2018 23:43	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00173	0.00432	4	06/13/2018 13:22	WG1123689
Toluene	U		0.00541	0.0216	4	06/13/2018 13:22	WG1123689
Ethylbenzene	0.00396	J	0.00229	0.0108	4	06/13/2018 13:22	WG1123689
Total Xylenes	0.155		0.0207	0.0281	4	06/13/2018 13:22	WG1123689
(S) Toluene-d8	109			80.0-120		06/13/2018 13:22	WG1123689
(S) Dibromofluoromethane	105			74.0-131		06/13/2018 13:22	WG1123689
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/13/2018 13:22	WG1123689
(S) 4-Bromofluorobenzene	123			64.0-132		06/13/2018 13:22	WG1123689

Sample Narrative:

L1000908-02 WG1123689: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	625		8.70	21.6	5	06/16/2018 02:23	WG1124295
C28-C40 Oil Range	142		0.296	4.32	1	06/15/2018 19:16	WG1124295
(S) o-Terphenyl	102			18.0-148		06/16/2018 02:23	WG1124295
(S) o-Terphenyl	33.3			18.0-148		06/15/2018 19:16	WG1124295

Collected date/time: 06/05/18 11:10

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.7		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	100		0.840	10.6	1	06/14/2018 15:09	WG1123435

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0386	B J	0.0229	0.106	1	06/14/2018 20:28	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/14/2018 20:28	WG1123825

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000423	0.00106	1	06/13/2018 05:18	WG1123588
Toluene	U		0.00132	0.00528	1	06/13/2018 05:18	WG1123588
Ethylbenzene	U		0.000560	0.00264	1	06/13/2018 05:18	WG1123588
Total Xylenes	U		0.00505	0.00687	1	06/13/2018 05:18	WG1123588
(S) Toluene-d8	119			80.0-120		06/13/2018 05:18	WG1123588
(S) Dibromofluoromethane	103			74.0-131		06/13/2018 05:18	WG1123588
(S) a,a,a-Trifluorotoluene	98.8			80.0-120		06/13/2018 05:18	WG1123588
(S) 4-Bromofluorobenzene	122			64.0-132		06/13/2018 05:18	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	22.1		1.70	4.23	1	06/15/2018 19:29	WG1124295
C28-C40 Oil Range	8.73		0.289	4.23	1	06/15/2018 19:29	WG1124295
(S) o-Terphenyl	62.6			18.0-148		06/15/2018 19:29	WG1124295

Collected date/time: 06/05/18 13:00

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.0		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1880		4.57	57.5	5	06/14/2018 15:18	WG1123435

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	603		4.99	23.0	200	06/14/2018 20:50	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/14/2018 20:50	WG1123825

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.0553		0.0184	0.0460	40	06/13/2018 05:39	WG1123588
Toluene	1.15		0.0575	0.230	40	06/13/2018 05:39	WG1123588
Ethylbenzene	0.371		0.0244	0.115	40	06/13/2018 05:39	WG1123588
Total Xylenes	9.25		0.220	0.299	40	06/13/2018 05:39	WG1123588
(S) Toluene-d8	111			80.0-120		06/13/2018 05:39	WG1123588
(S) Dibromofluoromethane	105			74.0-131		06/13/2018 05:39	WG1123588
(S) a,a,a-Trifluorotoluene	99.7			80.0-120		06/13/2018 05:39	WG1123588
(S) 4-Bromofluorobenzene	111			64.0-132		06/13/2018 05:39	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4420		37.0	91.9	20	06/16/2018 02:48	WG1124295
C28-C40 Oil Range	976		6.30	91.9	20	06/16/2018 02:48	WG1124295
(S) o-Terphenyl	0.000	J7		18.0-148		06/16/2018 02:48	WG1124295

Collected date/time: 06/05/18 13:05

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	1900		4.40	55.3	5	06/14/2018 15:47	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2440		24.0	111	1000	06/14/2018 21:12	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	98.8			77.0-120		06/14/2018 21:12	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.462		0.0885	0.221	200	06/13/2018 05:59	WG1123588
Toluene	14.2		0.276	1.11	200	06/13/2018 05:59	WG1123588
Ethylbenzene	3.83		0.117	0.553	200	06/13/2018 05:59	WG1123588
Total Xylenes	55.3		1.06	1.44	200	06/13/2018 05:59	WG1123588
(S) Toluene-d8	115			80.0-120		06/13/2018 05:59	WG1123588
(S) Dibromofluoromethane	103			74.0-131		06/13/2018 05:59	WG1123588
(S) a,a,a-Trifluorotoluene	103			80.0-120		06/13/2018 05:59	WG1123588
(S) 4-Bromofluorobenzene	127			64.0-132		06/13/2018 05:59	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4270		35.6	88.5	20	06/16/2018 03:01	WG1124295
C28-C40 Oil Range	830		6.06	88.5	20	06/16/2018 03:01	WG1124295
(S) o-Terphenyl	0.000	J7		18.0-148		06/16/2018 03:01	WG1124295

Collected date/time: 06/05/18 13:10

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	521		0.968	12.2	1	06/14/2018 15:56	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	2040		13.2	60.9	500	06/14/2018 21:34	WG1123825
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.1			77.0-120		06/14/2018 21:34	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.151		0.0487	0.122	100	06/13/2018 06:20	WG1123588
Toluene	4.21		0.152	0.609	100	06/13/2018 06:20	WG1123588
Ethylbenzene	1.05		0.0646	0.305	100	06/13/2018 06:20	WG1123588
Total Xylenes	16.8		0.582	0.792	100	06/13/2018 06:20	WG1123588
(S) <i>Toluene-d8</i>	112			80.0-120		06/13/2018 06:20	WG1123588
(S) <i>Dibromofluoromethane</i>	107			74.0-131		06/13/2018 06:20	WG1123588
(S) <i>a,a,a</i> -Trifluorotoluene	98.5			80.0-120		06/13/2018 06:20	WG1123588
(S) <i>4</i> -Bromofluorobenzene	122			64.0-132		06/13/2018 06:20	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1070		19.6	48.7	10	06/16/2018 03:14	WG1124295
C28-C40 Oil Range	196		0.334	4.87	1	06/15/2018 20:09	WG1124295
(S) <i>o</i> -Terphenyl	80.5			18.0-148		06/16/2018 03:14	WG1124295
(S) <i>o</i> -Terphenyl	3.84	J2		18.0-148		06/15/2018 20:09	WG1124295

Collected date/time: 06/05/18 16:00

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.2		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	3310		8.53	107	10	06/14/2018 16:06	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0450	B J	0.0233	0.107	1	06/14/2018 21:55	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/14/2018 21:55	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000429	0.00107	1	06/13/2018 06:41	WG1123588
Toluene	U		0.00134	0.00537	1	06/13/2018 06:41	WG1123588
Ethylbenzene	U		0.000569	0.00268	1	06/13/2018 06:41	WG1123588
Total Xylenes	U		0.00513	0.00698	1	06/13/2018 06:41	WG1123588
(S) Toluene-d8	113			80.0-120		06/13/2018 06:41	WG1123588
(S) Dibromofluoromethane	102			74.0-131		06/13/2018 06:41	WG1123588
(S) a,a,a-Trifluorotoluene	93.6			80.0-120		06/13/2018 06:41	WG1123588
(S) 4-Bromofluorobenzene	121			64.0-132		06/13/2018 06:41	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.73	4.29	1	06/16/2018 01:58	WG1124295
C28-C40 Oil Range	1.24	J	0.294	4.29	1	06/16/2018 01:58	WG1124295
(S) o-Terphenyl	79.5			18.0-148		06/16/2018 01:58	WG1124295

Collected date/time: 06/05/18 16:05

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.9		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	4710		9.05	114	10	06/14/2018 16:15	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.112	B J	0.0247	0.114	1	06/14/2018 22:17	WG1123825
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	104			77.0-120		06/14/2018 22:17	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000455	0.00114	1	06/13/2018 07:02	WG1123588
Toluene	U		0.00142	0.00569	1	06/13/2018 07:02	WG1123588
Ethylbenzene	U		0.000603	0.00285	1	06/13/2018 07:02	WG1123588
Total Xylenes	U		0.00544	0.00740	1	06/13/2018 07:02	WG1123588
(S) <i>Toluene-d8</i>	114			80.0-120		06/13/2018 07:02	WG1123588
(S) <i>Dibromofluoromethane</i>	100			74.0-131		06/13/2018 07:02	WG1123588
(S) <i>a,a,a</i> -Trifluorotoluene	97.3			80.0-120		06/13/2018 07:02	WG1123588
(S) <i>4</i> -Bromofluorobenzene	121			64.0-132		06/13/2018 07:02	WG1123588

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	10.5		1.83	4.55	1	06/16/2018 02:10	WG1124295
C28-C40 Oil Range	4.48	J	0.312	4.55	1	06/16/2018 02:10	WG1124295
(S) <i>o</i> -Terphenyl	57.9			18.0-148		06/16/2018 02:10	WG1124295

Collected date/time: 06/05/18 14:00

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	559		0.860	10.8	1	06/14/2018 16:25	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	130		2.35	10.8	100	06/14/2018 22:38	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 22:38	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000902	J	0.000866	0.00216	2	06/14/2018 12:22	WG1124412
Toluene	U		0.00271	0.0108	2	06/14/2018 12:22	WG1124412
Ethylbenzene	0.00843		0.00115	0.00541	2	06/14/2018 12:22	WG1124412
Total Xylenes	0.142		0.0103	0.0141	2	06/14/2018 12:22	WG1124412
(S) Toluene-d8	108			80.0-120		06/14/2018 12:22	WG1124412
(S) Dibromofluoromethane	100			74.0-131		06/14/2018 12:22	WG1124412
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/14/2018 12:22	WG1124412
(S) 4-Bromofluorobenzene	82.5			64.0-132		06/14/2018 12:22	WG1124412

Sample Narrative:

L1000908-09 WG1124412: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1870		17.4	43.3	10	06/16/2018 02:36	WG1124295
C28-C40 Oil Range	403		2.97	43.3	10	06/16/2018 02:36	WG1124295
(S) o-Terphenyl	20.6			18.0-148		06/16/2018 02:36	WG1124295

Collected date/time: 06/05/18 14:05

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	06/14/2018 14:23	WG1124369

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	68.8		0.895	11.3	1	06/14/2018 16:54	WG1123435

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0920	B J	0.0244	0.113	1	06/14/2018 23:00	WG1123825
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 23:00	WG1123825

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000450	0.00113	1	06/13/2018 14:42	WG1123738
Toluene	U		0.00141	0.00563	1	06/13/2018 14:42	WG1123738
Ethylbenzene	U		0.000597	0.00281	1	06/13/2018 14:42	WG1123738
Total Xylenes	U		0.00538	0.00732	1	06/13/2018 14:42	WG1123738
(S) Toluene-d8	110			80.0-120		06/13/2018 14:42	WG1123738
(S) Dibromofluoromethane	95.1			74.0-131		06/13/2018 14:42	WG1123738
(S) a,a,a-Trifluorotoluene	108			80.0-120		06/13/2018 14:42	WG1123738
(S) 4-Bromofluorobenzene	109			64.0-132		06/13/2018 14:42	WG1123738

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	10.5		1.81	4.50	1	06/15/2018 21:03	WG1124295
C28-C40 Oil Range	11.1		0.308	4.50	1	06/15/2018 21:03	WG1124295
(S) o-Terphenyl	60.0			18.0-148		06/15/2018 21:03	WG1124295

Collected date/time: 06/05/18 14:10

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	06/14/2018 11:07	WG1124370

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	57.4		1.03	12.9	1	06/14/2018 17:03	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0590	B J	0.0280	0.129	1	06/14/2018 23:22	WG1123825
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	104			77.0-120		06/14/2018 23:22	WG1123825

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000517	0.00129	1	06/13/2018 15:02	WG1123738
Toluene	U		0.00161	0.00646	1	06/13/2018 15:02	WG1123738
Ethylbenzene	U		0.000685	0.00323	1	06/13/2018 15:02	WG1123738
Total Xylenes	U		0.00618	0.00840	1	06/13/2018 15:02	WG1123738
(S) <i>Toluene-d8</i>	107			80.0-120		06/13/2018 15:02	WG1123738
(S) <i>Dibromofluoromethane</i>	96.7			74.0-131		06/13/2018 15:02	WG1123738
(S) <i>a,a,a</i> -Trifluorotoluene	108			80.0-120		06/13/2018 15:02	WG1123738
(S) <i>4</i> -Bromofluorobenzene	106			64.0-132		06/13/2018 15:02	WG1123738

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	9.03		2.08	5.17	1	06/15/2018 21:17	WG1124295
C28-C40 Oil Range	9.32		0.354	5.17	1	06/15/2018 21:17	WG1124295
(S) <i>o</i> -Terphenyl	58.4			18.0-148		06/15/2018 21:17	WG1124295

Collected date/time: 06/05/18 15:00

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.0		1	06/14/2018 11:07	WG1124370

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	148		0.846	10.6	1	06/14/2018 17:13	WG1123435

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	443		4.62	21.3	200	06/18/2018 07:38	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 07:38	WG1125972

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00348	J	0.00341	0.00851	8	06/14/2018 12:41	WG1124412
Toluene	0.0578		0.0106	0.0426	8	06/14/2018 12:41	WG1124412
Ethylbenzene	0.154		0.00451	0.0213	8	06/14/2018 12:41	WG1124412
Total Xylenes	5.56		0.0407	0.0553	8	06/14/2018 12:41	WG1124412
(S) Toluene-d8	111			80.0-120		06/14/2018 12:41	WG1124412
(S) Dibromofluoromethane	106			74.0-131		06/14/2018 12:41	WG1124412
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/14/2018 12:41	WG1124412
(S) 4-Bromofluorobenzene	138	J1		64.0-132		06/14/2018 12:41	WG1124412

Sample Narrative:

L1000908-12 WG1124412: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3610		34.3	85.1	20	06/16/2018 03:27	WG1124295
C28-C40 Oil Range	684		5.83	85.1	20	06/16/2018 03:27	WG1124295
(S) o-Terphenyl	0.000	J7		18.0-148		06/16/2018 03:27	WG1124295

Collected date/time: 06/05/18 15:05

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	06/14/2018 11:07	WG1124370

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	40.1		0.880	11.1	1	06/14/2018 17:41	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.149		0.0240	0.111	1	06/18/2018 00:47	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		06/18/2018 00:47	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000443	0.00111	1	06/13/2018 15:22	WG1123738
Toluene	U		0.00138	0.00553	1	06/13/2018 15:22	WG1123738
Ethylbenzene	U		0.000587	0.00277	1	06/13/2018 15:22	WG1123738
Total Xylenes	U		0.00529	0.00719	1	06/13/2018 15:22	WG1123738
(S) Toluene-d8	113			80.0-120		06/13/2018 15:22	WG1123738
(S) Dibromofluoromethane	96.6			74.0-131		06/13/2018 15:22	WG1123738
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/13/2018 15:22	WG1123738
(S) 4-Bromofluorobenzene	108			64.0-132		06/13/2018 15:22	WG1123738

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	54.1		1.78	4.43	1	06/16/2018 01:45	WG1124295
C28-C40 Oil Range	13.9		0.303	4.43	1	06/16/2018 01:45	WG1124295
(S) o-Terphenyl	58.5			18.0-148		06/16/2018 01:45	WG1124295

Collected date/time: 06/05/18 15:10

L1000908

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.1		1	06/14/2018 11:07	WG1124370

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	59.6		0.980	12.3	1	06/14/2018 17:51	WG1123435

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.108	J	0.0268	0.123	1	06/18/2018 01:09	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/18/2018 01:09	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00123	1	06/13/2018 15:41	WG1123738
Toluene	U		0.00154	0.00617	1	06/13/2018 15:41	WG1123738
Ethylbenzene	U		0.000654	0.00308	1	06/13/2018 15:41	WG1123738
Total Xylenes	U		0.00590	0.00802	1	06/13/2018 15:41	WG1123738
(S) Toluene-d8	107			80.0-120		06/13/2018 15:41	WG1123738
(S) Dibromofluoromethane	98.5			74.0-131		06/13/2018 15:41	WG1123738
(S) a,a,a-Trifluorotoluene	104			80.0-120		06/13/2018 15:41	WG1123738
(S) 4-Bromofluorobenzene	105			64.0-132		06/13/2018 15:41	WG1123738

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	22.3		1.99	4.93	1	06/16/2018 06:12	WG1124295
C28-C40 Oil Range	8.27		0.338	4.93	1	06/16/2018 06:12	WG1124295
(S) o-Terphenyl	62.7			18.0-148		06/16/2018 06:12	WG1124295

Total Solids by Method 2540 G-2011 [L1000908-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3318157-1 06/14/18 14:23

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L1000908-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1000908-10 06/14/18 14:23 • (DUP) R3318157-3 06/14/18 14:23

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	88.8	90.0	1	1.36		5

Laboratory Control Sample (LCS)

(LCS) R3318157-2 06/14/18 14:23

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1000908-11,12,13,14](#)

Method Blank (MB)

(MB) R3318153-1 06/14/18 11:07

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

L1000908-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1000908-13 06/14/18 11:07 • (DUP) R3318153-3 06/14/18 11:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.3	90.5	1	0.158		5

Laboratory Control Sample (LCS)

(LCS) R3318153-2 06/14/18 11:07

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

[L1000908-01,02,03,04,05,06,07,08,09,10,11,12,13,14](#)

Method Blank (MB)

(MB) R3318064-1 06/14/18 13:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		0.795	10.0

L1000895-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1000895-15 06/14/18 14:31 • (DUP) R3318064-4 06/14/18 14:40

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	76.6	76.6	1	0.0643		15

L1000916-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1000916-02 06/14/18 18:38 • (DUP) R3318064-7 06/14/18 18:48

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	69.8	73.6	1	5.36		15

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

(LCS) R3318064-2 06/14/18 13:43 • (LCSD) R3318064-3 06/14/18 13:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	200	204	200	102	99.8	80.0-120			2.01	15

L1000908-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000908-09 06/14/18 16:25 • (MS) R3318064-5 06/14/18 16:34 • (MSD) R3318064-6 06/14/18 16:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	541	559	1120	1120	104	105	1	80.0-120	E	E	0.331	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1000908-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3318476-2 06/14/18 15:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0218	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120

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

(LCS) R3318476-1 06/14/18 14:20 • (LCSD) R3318476-5 06/15/18 01:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.89	6.19	107	113	70.0-136			5.01	20
(S) a,a,a-Trifluorotoluene(FID)				104	106	77.0-120				

L1000908-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000908-02 06/14/18 23:43 • (MS) R3318476-3 06/15/18 00:05 • (MSD) R3318476-4 06/15/18 00:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.95	107	500	439	66.1	55.9	100	10.0-147			12.9	30
(S) a,a,a-Trifluorotoluene(FID)					102	102		77.0-120				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

L1000908-12,13,14

Method Blank (MB)

(MB) R3318792-3 06/18/18 00:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120

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

(LCS) R3318792-1 06/17/18 22:58 • (LCSD) R3318792-2 06/17/18 23:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.77	5.55	105	101	70.0-136			3.81	20
(S) a,a,a-Trifluorotoluene(FID)				104	104	77.0-120				

L1000908-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000908-12 06/18/18 07:38 • (MS) R3318792-4 06/18/18 08:00 • (MSD) R3318792-5 06/18/18 08:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.85	443	1060	1020	52.9	49.4	200	10.0-147			3.94	30
(S) a,a,a-Trifluorotoluene(FID)					101	100		77.0-120				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

L1000908-01.03.04.05.06.07.08

Method Blank (MB)

(MB) R3317397-3 06/12/18 23:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	108			80.0-120
(S) Dibromofluoromethane	103			74.0-131
(S) a,a,a-Trifluorotoluene	99.9			80.0-120
(S) 4-Bromofluorobenzene	117			64.0-132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3317397-1 06/12/18 22:20 • (LCSD) R3317397-2 06/12/18 22:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.122	0.126	97.5	101	71.0-124			3.68	20
Ethylbenzene	0.125	0.127	0.132	102	105	77.0-120			3.27	20
Toluene	0.125	0.123	0.124	98.4	99.2	70.0-120			0.791	20
Xylenes, Total	0.375	0.347	0.356	92.5	94.9	77.0-120			2.56	20
(S) Toluene-d8				110	109	80.0-120				
(S) Dibromofluoromethane				99.6	123	74.0-131				
(S) a,a,a-Trifluorotoluene				102	104	80.0-120				
(S) 4-Bromofluorobenzene				119	124	64.0-132				

L1000908-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000908-08 06/13/18 07:02 • (MS) R3317397-4 06/13/18 07:22 • (MSD) R3317397-5 06/13/18 07:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.142	U	0.175	0.174	123	122	1	13.0-146			0.711	27
Ethylbenzene	0.142	U	0.180	0.173	127	122	1	10.0-147			3.90	31
Toluene	0.142	U	0.174	0.170	122	120	1	10.0-144			1.84	28
Xylenes, Total	0.427	U	0.479	0.466	112	109	1	10.0-150			2.89	31
(S) Toluene-d8					113	108		80.0-120				
(S) Dibromofluoromethane					111	128		74.0-131				
(S) a,a,a-Trifluorotoluene					97.6	94.7		80.0-120				
(S) 4-Bromofluorobenzene					124	125		64.0-132				

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

L1000908-02

Method Blank (MB)

(MB) R3317578-3 06/13/18 10:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	107			80.0-120
(S) Dibromofluoromethane	101			74.0-131
(S) a,a,a-Trifluorotoluene	106			80.0-120
(S) 4-Bromofluorobenzene	99.2			64.0-132

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

(LCS) R3317578-1 06/13/18 09:17 • (LCSD) R3317578-2 06/13/18 09:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.116	0.118	92.4	94.1	71.0-124			1.80	20
Ethylbenzene	0.125	0.125	0.114	99.8	91.5	77.0-120			8.72	20
Toluene	0.125	0.133	0.132	107	106	70.0-120			0.767	20
Xylenes, Total	0.375	0.363	0.349	96.8	93.1	77.0-120			3.93	20
(S) Toluene-d8				107	103	80.0-120				
(S) Dibromofluoromethane				105	104	74.0-131				
(S) a,a,a-Trifluorotoluene				104	104	80.0-120				
(S) 4-Bromofluorobenzene				101	98.4	64.0-132				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

[L1000908-10,11,13,14](#)

Method Blank (MB)

(MB) R3317760-3 06/13/18 10:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	107			80.0-120
(S) Dibromofluoromethane	101			74.0-131
(S) a,a,a-Trifluorotoluene	106			80.0-120
(S) 4-Bromofluorobenzene	99.2			64.0-132

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

(LCS) R3317760-1 06/13/18 09:17 • (LCSD) R3317760-2 06/13/18 09:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.116	0.118	92.4	94.1	71.0-124			1.80	20
Ethylbenzene	0.125	0.125	0.114	99.8	91.5	77.0-120			8.72	20
Toluene	0.125	0.133	0.132	107	106	70.0-120			0.767	20
Xylenes, Total	0.375	0.363	0.349	96.8	93.1	77.0-120			3.93	20
(S) Toluene-d8				107	103	80.0-120				
(S) Dibromofluoromethane				105	104	74.0-131				
(S) a,a,a-Trifluorotoluene				104	104	80.0-120				
(S) 4-Bromofluorobenzene				101	98.4	64.0-132				

L1000944-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000944-04 06/13/18 19:00 • (MS) R3317760-4 06/13/18 19:58 • (MSD) R3317760-5 06/13/18 20:18

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	ND	0.0808	0.0555	64.6	44.4	1	13.0-146		J3	37.2	27
Ethylbenzene	0.125	ND	0.100	0.0719	80.4	57.6	1	10.0-147		J3	33.1	31
Toluene	0.125	ND	0.114	0.0815	91.3	65.2	1	10.0-144		J3	33.4	28
Xylenes, Total	0.375	ND	0.300	0.225	80.0	60.1	1	10.0-150			28.4	31
(S) Toluene-d8					114	111		80.0-120				
(S) Dibromofluoromethane					94.6	92.3		74.0-131				
(S) a,a,a-Trifluorotoluene					108	106		80.0-120				
(S) 4-Bromofluorobenzene					107	105		64.0-132				

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

L1000908-09,12

Method Blank (MB)

(MB) R3317902-3 06/14/18 10:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	111			80.0-120
(S) Dibromofluoromethane	93.6			74.0-131
(S) a,a,a-Trifluorotoluene	106			80.0-120
(S) 4-Bromofluorobenzene	103			64.0-132

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

(LCS) R3317902-1 06/14/18 08:56 • (LCSD) R3317902-2 06/14/18 09:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.112	0.113	90.0	90.6	71.0-124			0.652	20
Ethylbenzene	0.125	0.115	0.121	91.9	97.2	77.0-120			5.52	20
Toluene	0.125	0.130	0.135	104	108	70.0-120			3.76	20
Xylenes, Total	0.375	0.346	0.356	92.3	94.9	77.0-120			2.85	20
(S) Toluene-d8				107	107	80.0-120				
(S) Dibromofluoromethane				105	103	74.0-131				
(S) a,a,a-Trifluorotoluene				106	106	80.0-120				
(S) 4-Bromofluorobenzene				99.8	101	64.0-132				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1000908-01,02,03,04,05,06,07,08,09,10,11,12,13,14](#)

Method Blank (MB)

(MB) R3318404-1 06/15/18 17:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	71.7			18.0-148

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

(LCS) R3318404-2 06/15/18 18:08 • (LCSD) R3318404-3 06/15/18 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	31.1	34.4	62.3	68.7	50.0-150			9.81	20
(S) o-Terphenyl				82.0	90.8	18.0-148				

L1000908-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000908-01 06/15/18 18:36 • (MS) R3318404-4 06/15/18 18:50 • (MSD) R3318404-5 06/15/18 19:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	56.3	8.16	34.0	40.2	46.0	56.9	1	50.0-150	J6		16.7	20
(S) o-Terphenyl					51.2	61.1		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

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

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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

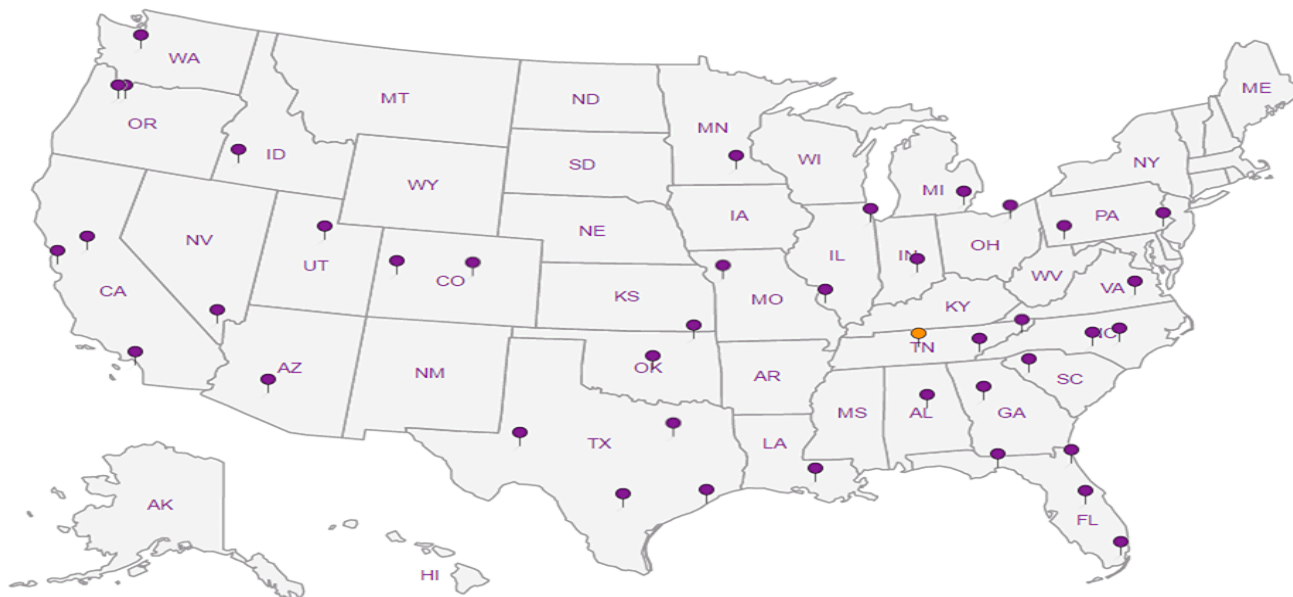
Third Party Federal Accreditations



A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		


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

Our Locations

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



Company Name/Address: Tetra Tech 4000 N. Big Spring St. STE. 401 Midland, TX 79705		Billing Information:		Analysis / Comments / Preservative										Chain of Custody Page 01			
Report to: Kayla Taylor		mail to: Kayla.levy@tetra-tech.com		 32066 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-734-5854 Phone: 800-767-5859 Fax: 615-734-5858													
Project Description: Battle Ave 27 Fed Com 2H		City/State/County: Lea CO, NM															
Phone: Fax:		Client Project #: 212C-MD-01269															
Collected by (print): Clint Merritt		Site/Facility ID #: Battle Ave 27															
Collected by (signature):		Rush? (Lab MUST be notified)		Date Results Needed		SPH BTX										Accrual: TETRA Template: Prelog:	
Immediately		<input type="checkbox"/> Same Day <input type="checkbox"/> Next Day <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day		Email? <input type="checkbox"/> No <input type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes													
Parked on Ice <input checked="" type="checkbox"/> N <input type="checkbox"/> Y		<input type="checkbox"/> Same Day <input type="checkbox"/> Next Day <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day		<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes													
Sample ID		Comp/Job		Matrix												Depth	
AH-1 (0-1')		6/5/18		Soil		0-1		6/5/18		11:00		1		-01			
AH-1 (1-2')		6/5/18				1-2		6/5/18		11:05		1		02			
AH-1 (2-3')		6/5/18				2-3		6/5/18		11:10		1		03			
AH-2 (0-1')		6/5/18				0-1		6/5/18		13:00		1		04			
AH-2 (1-2')		6/5/18				1-2		6/5/18		13:05		1		05			
AH-2 (2-3')		6/5/18				2-3		6/5/18		13:10		1		06			
WSW-3		6/5/18						6/5/18		16:00		1		07			
ESW-3		6/5/18						6/5/18		16:05		1		08			
AH-5 (0-1')		6/5/18				0-1		6/5/18		14:00		1		09			
AH-5 (1-2')		6/5/18				1-2		6/5/18		14:05		1		10			
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other														pH _____ Temp _____			
Remarks: 4430 3423 6020														Flow _____ Other _____			
Relinquished by (signature):		Date: 6-11-18		Time: 12:00		Received by (Signature):		Received by (Signature):		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Hold #		Condition (lab use only)			
Relinquished by (signature):		Date:		Time:		Received by (Signature):		Received by (Signature):		Temp. 1.9 °C Bottles Received: 14		OC Seal Intact: <input checked="" type="checkbox"/> N <input type="checkbox"/> NA		H Checked: <input checked="" type="checkbox"/> N <input type="checkbox"/> NA			
Relinquished by (signature):		Date:		Time:		Received by (Signature):		Received by (Signature):		Date: 6/12/18 845							

Company Name/Address: Tetra Tech 4000 N. Big Spring St. Ste. 401 Midland, TX 79705		Billing Information		Analysis / Container / Preservation		Chain of Custody Page 56 of 376	
Report to: Kayla Taylor		Email to: Kayla.Love@tetratech.com				 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Battle Axe 27 Fed Cora 2H		City/State Collected: Lea CO, NM					
Phone:		Client Project #		Lab Project #			
Fax:		212C-MD-01269					
Collected by (print): Clint Merritt		Site/Facility ID #		OR			
Collected by (signature):		Battle Axe 27					
Immediately		Rush? (Lab MUST Be Notified)		Date Results Needed			
Packed on <input checked="" type="checkbox"/> N <input type="checkbox"/> Y		<input type="checkbox"/> Same Day 200% <input type="checkbox"/> Next Day 10% <input type="checkbox"/> Two Day 5% <input type="checkbox"/> Three Day 3%		E-mail? <input type="checkbox"/> No <input type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes			
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	CHTS	
AH-5 (2-3')	Grab	Soil	2-3	4/5/18	14:10	1	XXX
AH-6 (0-1')	 	 	0-1	 	15:00	 	
AH-6 (1-2')	 	 	1-2	 	15:05	 	
AH-6 (2-3')	 	 	2-3	↓	15:10	↓	↓


* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH _____ Temp _____

Remarks:

Mo. _____ Other _____

Relinquished by (Signature): [Signature]	Date: 6-11-18	Time: 1200	Received by (Signature): [Signature]	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Container: 14	Condition: Good
Relinquished by (Signature): [Signature]	Date:	Time:	Received by (Signature): [Signature]	Temp: 19.3 °C	Bottles Received: 14	COC Seal Intact: Yes
Relinquished by (Signature): [Signature]	Date:	Time:	Received by (Signature): [Signature]	Date: 6/12/18	Time: 845	pH Checked: NCF

ESC LAB SCIENCES Cooler Receipt Form			
Client:	TETRA HTX	SDG#	L1000908
Cooler Received/Opened On: 6/12/18	Temperature:	1.9	
Received By: Alexandra Murtaugh			
Signature: 			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	/		
COC Signed / Accurate?		/	
Bottles arrive intact?		/	
Correct bottles used?		/	
Sufficient volume sent?		/	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

ANALYTICAL REPORT

June 20, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1000945
Samples Received: 06/12/2018
Project Number: 212C-MD-01269
Description: Battle Axe 27 Fed Com 2H
Site: BATTLE AXE 27
Report To: Kayla Taylor
4001 N. Big Spring St., Ste. 401
Midland, TX 79705

Entire Report Reviewed By:



Chris McCord

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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

SSW-9 L1000945-36	49	¹ Cp
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AH-3 (1-2) L1000945-01 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 10:15

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 19:35	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/13/18 23:38	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 13:18	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124296	1	06/15/18 23:10	06/16/18 13:16	DMW

¹ Cp² Tc³ Ss⁴ Cn

AH-3 (2-3) L1000945-02 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 10:20

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 19:44	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 00:00	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 13:42	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124296	1	06/15/18 23:10	06/16/18 14:25	DMW

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-3 (3-4) L1000945-03 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 10:25

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 19:53	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 00:21	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 14:07	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124296	1	06/15/18 23:10	06/16/18 14:40	DMW

⁹ Sc

ESW-3 (10') L1000945-04 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 10:30

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 20:03	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 00:43	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 14:32	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124296	1	06/15/18 23:10	06/16/18 17:29	AAT

ESW-2 L1000945-05 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 11:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 20:22	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 01:05	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 14:57	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 19:38	MG

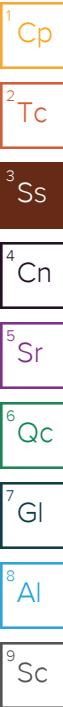
AH-2 (3-4) L1000945-06 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 20:50	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126634	250	06/13/18 08:01	06/19/18 14:49	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	4	06/13/18 08:01	06/13/18 19:53	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126529	20	06/13/18 08:01	06/19/18 12:37	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/17/18 00:21	MG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	5	06/16/18 12:19	06/18/18 18:16	MTJ



AH-2 (4-5) L1000945-07 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 21:00	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126634	1	06/13/18 08:01	06/19/18 15:37	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126529	1	06/13/18 08:01	06/19/18 12:17	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 19:51	MG

AH-2 (5-6) L1000945-08 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 21:09	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 02:11	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 15:22	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 20:05	MG

NSW-2 L1000945-09 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 14:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 21:19	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1000	06/13/18 08:01	06/14/18 02:32	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126529	100	06/13/18 08:01	06/19/18 12:57	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	200	06/16/18 12:19	06/18/18 18:30	MTJ
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	5	06/16/18 12:19	06/17/18 00:48	MG

SSW-2 L1000945-10 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 14:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125132	1	06/15/18 14:55	06/15/18 15:14	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 21:57	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 02:54	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 15:46	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 20:18	MG

AH-4 (3-4) L1000945-11 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 15:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 22:07	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 03:16	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 16:11	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/17/18 00:08	MG

¹ Cp² Tc³ Ss⁴ Cn

AH-4 (4-5) L1000945-12 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 15:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 22:16	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 03:38	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 16:36	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 20:32	MG

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-4 (5-6) L1000945-13 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 15:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 22:45	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 04:00	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 17:00	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 20:45	MG

⁹ Sc

WSW-4 L1000945-14 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 16:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 22:54	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 04:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 17:25	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 20:59	MG

ESW-4 L1000945-15 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 16:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	5	06/13/18 12:03	06/15/18 23:13	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126634	1	06/13/18 08:01	06/19/18 16:01	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 17:50	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 21:13	MG

ESW-4 (10') L1000945-16 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 08:45

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 23:23	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 05:05	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 18:15	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 21:26	MG

¹ Cp² Tc³ Ss⁴ Cn

WSW-3 (1') L1000945-17 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 09:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 23:32	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 05:27	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 18:39	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 21:40	MG

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-7 (0-1') L1000945-18 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 10:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 23:42	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126634	100	06/13/18 08:01	06/19/18 14:25	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	4	06/13/18 08:01	06/13/18 20:42	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	5	06/16/18 12:19	06/17/18 00:35	MG

⁹ Sc

AH-7 (1-2') L1000945-19 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 10:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/15/18 23:51	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 05:49	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 19:04	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 22:34	MG

AH-7 (2-3') L1000945-20 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 10:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125134	1	06/15/18 14:06	06/15/18 14:19	JD
Wet Chemistry by Method 9056A	WG1123639	1	06/13/18 12:03	06/16/18 00:01	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1124123	1	06/13/18 08:01	06/14/18 06:11	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123917	1	06/13/18 08:01	06/13/18 19:29	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 22:47	MG

AH-7 (3-4') L1000945-21 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 10:15

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 00:03	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 04:12	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 00:23	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 23:01	MG

¹ Cp² Tc³ Ss⁴ Cn

AH-7 (4-5') L1000945-22 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 10:20

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 00:12	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 04:33	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 00:43	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 23:41	MG

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-5 (3-4) L1000945-23 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 14:30

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 00:22	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 04:54	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 01:03	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124297	1	06/16/18 12:19	06/16/18 23:54	MG

⁹ Sc

AH-5 (4-5) L1000945-24 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 14:35

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 00:31	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 05:15	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 01:23	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 13:59	MTJ

AH-5 (5-6) L1000945-25 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 14:40

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 00:50	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 05:36	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 01:43	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 14:14	MTJ

WSW-5 L1000945-26 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 15:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 01:00	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 05:57	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 02:03	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 14:27	MTJ

¹ Cp² Tc³ Ss⁴ Cn

ESW-5 L1000945-27 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 15:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	10	06/13/18 12:01	06/14/18 01:28	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 06:18	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 02:23	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 14:40	MTJ

⁵ Sr⁶ Qc⁷ Gl⁸ Al

ESW-5 (10') L1000945-28 Solid

Collected by
Clint Merritt

Collected date/time
06/07/18 15:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 01:38	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 06:39	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 02:43	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 15:22	MTJ

⁹ Sc

WSW-1 L1000945-29 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 08:15

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 01:47	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 07:00	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 03:03	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 15:35	MTJ

NSW-1 L1000945-30 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 08:20

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125135	1	06/15/18 13:53	06/15/18 13:59	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 02:16	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 07:21	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 03:24	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 15:48	MTJ

AH-1 (1-2) L1000945-31 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 10:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 02:25	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125330	1	06/13/18 08:16	06/18/18 07:42	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 03:44	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 16:02	MTJ

¹ Cp² Tc³ Ss⁴ Cn

AH-1 (2-3) L1000945-32 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 10:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 02:35	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 01:30	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 04:04	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 16:16	MTJ

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-1 (3-4) L1000945-33 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 10:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 02:44	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 01:52	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 04:24	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	3	06/17/18 14:28	06/18/18 16:29	MTJ

⁹ Sc

WSW-9 L1000945-34 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 11:00

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 02:54	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 02:13	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 04:44	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 16:43	MTJ

ESW-9 L1000945-35 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 11:05

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 03:23	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 02:35	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 05:04	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 16:57	MTJ

SSW-9 L1000945-36 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 11:10

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 03:32	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 02:56	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 05:24	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 17:11	MTJ

¹ Cp² Tc³ Ss⁴ Cn

AH-9 (1-2) L1000945-37 Solid

Collected by
Clint Merritt

Collected date/time
06/08/18 11:15

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 03:42	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 03:18	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 05:44	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 17:24	MTJ

⁵ Sr⁶ Qc⁷ Gl⁸ Al

WSW-6 L1000945-38 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:30

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 04:01	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 03:40	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 06:04	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 17:36	MTJ

⁹ Sc

ESW-6 L1000945-39 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:35

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	5	06/13/18 12:01	06/14/18 04:10	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 04:01	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 06:24	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 17:49	MTJ

ESW-6 (10') L1000945-40 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:40

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125137	1	06/15/18 13:30	06/15/18 13:47	JD
Wet Chemistry by Method 9056A	WG1123640	1	06/13/18 12:01	06/14/18 04:20	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 04:23	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124618	1	06/13/18 08:16	06/15/18 06:44	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 18:02	MTJ

AH-6 (3-4') L1000945-41 Solid

Collected by
Clint Merritt

Collected date/time
06/06/18 13:45

Received date/time
06/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1125139	1	06/15/18 14:30	06/15/18 14:39	KS
Wet Chemistry by Method 9056A	WG1123828	1	06/13/18 13:36	06/13/18 16:53	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1125972	1	06/13/18 08:16	06/18/18 04:45	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124803	1	06/13/18 08:16	06/15/18 00:15	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1124298	1	06/17/18 14:28	06/18/18 18:16	MTJ

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Technical Service Representative

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	57.8		0.874	11.0	1	06/15/2018 19:35	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0256	J	0.0238	0.110	1	06/13/2018 23:38	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/13/2018 23:38	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.000899	J	0.000440	0.00110	1	06/13/2018 13:18	WG1123917
Toluene	U		0.00137	0.00549	1	06/13/2018 13:18	WG1123917
Ethylbenzene	U		0.000582	0.00275	1	06/13/2018 13:18	WG1123917
Total Xylenes	U		0.00525	0.00714	1	06/13/2018 13:18	WG1123917
(S) Toluene-d8	114			80.0-120		06/13/2018 13:18	WG1123917
(S) Dibromofluoromethane	102			74.0-131		06/13/2018 13:18	WG1123917
(S) a,a,a-Trifluorotoluene	103			80.0-120		06/13/2018 13:18	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 13:18	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.77	4.40	1	06/16/2018 13:16	WG1124296
C28-C40 Oil Range	0.321	J	0.301	4.40	1	06/16/2018 13:16	WG1124296
(S) o-Terphenyl	71.0			18.0-148		06/16/2018 13:16	WG1124296

Collected date/time: 06/06/18 10:20

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.8		1	06/15/2018 15:14	WG1125132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	57.1		0.984	12.4	1	06/15/2018 19:44	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0433	J	0.0269	0.124	1	06/14/2018 00:00	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 00:00	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000495	0.00124	1	06/13/2018 13:42	WG1123917
Toluene	U		0.00155	0.00619	1	06/13/2018 13:42	WG1123917
Ethylbenzene	U		0.000656	0.00309	1	06/13/2018 13:42	WG1123917
Total Xylenes	U		0.00592	0.00805	1	06/13/2018 13:42	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 13:42	WG1123917
(S) Dibromofluoromethane	102			74.0-131		06/13/2018 13:42	WG1123917
(S) a,a,a-Trifluorotoluene	102			80.0-120		06/13/2018 13:42	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 13:42	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.99	4.95	1	06/16/2018 14:25	WG1124296
C28-C40 Oil Range	U		0.339	4.95	1	06/16/2018 14:25	WG1124296
(S) o-Terphenyl	68.2			18.0-148		06/16/2018 14:25	WG1124296

Collected date/time: 06/06/18 10:25

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	47.0		0.846	10.6	1	06/15/2018 19:53	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0330	J	0.0231	0.106	1	06/14/2018 00:21	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 00:21	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000426	0.00106	1	06/13/2018 14:07	WG1123917
Toluene	U		0.00133	0.00532	1	06/13/2018 14:07	WG1123917
Ethylbenzene	U		0.000564	0.00266	1	06/13/2018 14:07	WG1123917
Total Xylenes	U		0.00509	0.00692	1	06/13/2018 14:07	WG1123917
(S) Toluene-d8	111			80.0-120		06/13/2018 14:07	WG1123917
(S) Dibromofluoromethane	103			74.0-131		06/13/2018 14:07	WG1123917
(S) a,a,a-Trifluorotoluene	102			80.0-120		06/13/2018 14:07	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 14:07	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.71	4.26	1	06/16/2018 14:40	WG1124296
C28-C40 Oil Range	U		0.292	4.26	1	06/16/2018 14:40	WG1124296
(S) o-Terphenyl	83.3			18.0-148		06/16/2018 14:40	WG1124296

Collected date/time: 06/06/18 10:30

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	45.8		0.838	10.5	1	06/15/2018 20:03	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0229	0.105	1	06/14/2018 00:43	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 00:43	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000422	0.00105	1	06/13/2018 14:32	WG1123917
Toluene	U		0.00132	0.00527	1	06/13/2018 14:32	WG1123917
Ethylbenzene	U		0.000559	0.00264	1	06/13/2018 14:32	WG1123917
Total Xylenes	U		0.00504	0.00685	1	06/13/2018 14:32	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 14:32	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 14:32	WG1123917
(S) a,a,a-Trifluorotoluene	102			80.0-120		06/13/2018 14:32	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 14:32	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.70	4.22	1	06/16/2018 17:29	WG1124296
C28-C40 Oil Range	3.25	J	0.289	4.22	1	06/16/2018 17:29	WG1124296
(S) o-Terphenyl	85.6			18.0-148		06/16/2018 17:29	WG1124296

Collected date/time: 06/06/18 11:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.8		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	59.6		0.949	11.9	1	06/15/2018 20:22	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.102	J	0.0259	0.119	1	06/14/2018 01:05	WG1124123
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	104			77.0-120		06/14/2018 01:05	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000477	0.00119	1	06/13/2018 14:57	WG1123917
Toluene	U		0.00149	0.00597	1	06/13/2018 14:57	WG1123917
Ethylbenzene	U		0.000633	0.00298	1	06/13/2018 14:57	WG1123917
Total Xylenes	U		0.00570	0.00776	1	06/13/2018 14:57	WG1123917
(S) Toluene-d8	112			80.0-120		06/13/2018 14:57	WG1123917
(S) Dibromofluoromethane	102			74.0-131		06/13/2018 14:57	WG1123917
(S) <i>a,a,a</i> -Trifluorotoluene	102			80.0-120		06/13/2018 14:57	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 14:57	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.92	4.77	1	06/16/2018 19:38	WG1124297
C28-C40 Oil Range	0.531	J	0.327	4.77	1	06/16/2018 19:38	WG1124297
(S) <i>o</i> -Terphenyl	62.8			18.0-148		06/16/2018 19:38	WG1124297

Collected date/time: 06/06/18 13:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	60.6		1.03	13.0	1	06/15/2018 20:50	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	776		7.05	32.5	250	06/19/2018 14:49	WG1126634
(S) a,a,a-Trifluorotoluene(FID)	99.7			77.0-120		06/19/2018 14:49	WG1126634

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.164		0.00208	0.00520	4	06/13/2018 19:53	WG1123917
Toluene	7.06		0.0325	0.130	20	06/19/2018 12:37	WG1126529
Ethylbenzene	1.53		0.00276	0.0130	4	06/13/2018 19:53	WG1123917
Total Xylenes	26.5		0.124	0.169	20	06/19/2018 12:37	WG1126529
(S) Toluene-d8	108			80.0-120		06/13/2018 19:53	WG1123917
(S) Toluene-d8	111			80.0-120		06/19/2018 12:37	WG1126529
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 19:53	WG1123917
(S) Dibromofluoromethane	103			74.0-131		06/19/2018 12:37	WG1126529
(S) a,a,a-Trifluorotoluene	100			80.0-120		06/13/2018 19:53	WG1123917
(S) a,a,a-Trifluorotoluene	103			80.0-120		06/19/2018 12:37	WG1126529
(S) 4-Bromofluorobenzene	110			64.0-132		06/13/2018 19:53	WG1123917
(S) 4-Bromofluorobenzene	109			64.0-132		06/19/2018 12:37	WG1126529

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	738		10.5	26.0	5	06/18/2018 18:16	WG1124297
C28-C40 Oil Range	92.0		0.356	5.20	1	06/17/2018 00:21	WG1124297
(S) o-Terphenyl	70.0			18.0-148		06/17/2018 00:21	WG1124297
(S) o-Terphenyl	96.5			18.0-148		06/18/2018 18:16	WG1124297

Collected date/time: 06/06/18 13:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	06/15/2018 15:14	WG1125132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	58.5		0.927	11.7	1	06/15/2018 21:00	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	1.29		0.0253	0.117	1	06/19/2018 15:37	WG1126634
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100			77.0-120		06/19/2018 15:37	WG1126634

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000466	0.00117	1	06/19/2018 12:17	WG1126529
Toluene	0.00168	J	0.00146	0.00583	1	06/19/2018 12:17	WG1126529
Ethylbenzene	U		0.000618	0.00291	1	06/19/2018 12:17	WG1126529
Total Xylenes	0.0149		0.00557	0.00758	1	06/19/2018 12:17	WG1126529
(S) Toluene-d8	112			80.0-120		06/19/2018 12:17	WG1126529
(S) Dibromofluoromethane	96.7			74.0-131		06/19/2018 12:17	WG1126529
(S) <i>a,a,a</i> -Trifluorotoluene	105			80.0-120		06/19/2018 12:17	WG1126529
(S) 4-Bromofluorobenzene	103			64.0-132		06/19/2018 12:17	WG1126529

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	28.1		1.88	4.66	1	06/16/2018 19:51	WG1124297
C28-C40 Oil Range	4.24	J	0.319	4.66	1	06/16/2018 19:51	WG1124297
(S) <i>o</i> -Terphenyl	58.5			18.0-148		06/16/2018 19:51	WG1124297

Collected date/time: 06/06/18 13:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.9		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	71.1		1.02	12.8	1	06/15/2018 21:09	WG1123639

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

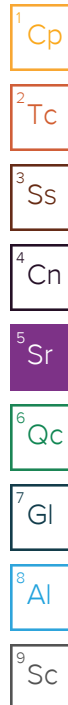
Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.60		0.0278	0.128	1	06/14/2018 02:11	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		06/14/2018 02:11	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000513	0.00128	1	06/13/2018 15:22	WG1123917
Toluene	U		0.00160	0.00642	1	06/13/2018 15:22	WG1123917
Ethylbenzene	U		0.000680	0.00321	1	06/13/2018 15:22	WG1123917
Total Xylenes	0.0109		0.00613	0.00834	1	06/13/2018 15:22	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 15:22	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 15:22	WG1123917
(S) a,a,a-Trifluorotoluene	102			80.0-120		06/13/2018 15:22	WG1123917
(S) 4-Bromofluorobenzene	102			64.0-132		06/13/2018 15:22	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	43.9		2.07	5.13	1	06/16/2018 20:05	WG1124297
C28-C40 Oil Range	4.92	J	0.352	5.13	1	06/16/2018 20:05	WG1124297
(S) o-Terphenyl	49.0			18.0-148		06/16/2018 20:05	WG1124297



Collected date/time: 06/06/18 14:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	801	J6	0.883	11.1	1	06/15/2018 21:19	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3120		24.1	111	1000	06/14/2018 02:32	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	95.7			77.0-120		06/14/2018 02:32	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.410		0.0444	0.111	100	06/19/2018 12:57	WG1126529
Toluene	24.7		0.139	0.555	100	06/19/2018 12:57	WG1126529
Ethylbenzene	6.03		0.0589	0.278	100	06/19/2018 12:57	WG1126529
Total Xylenes	92.7		0.531	0.722	100	06/19/2018 12:57	WG1126529
(S) Toluene-d8	111			80.0-120		06/19/2018 12:57	WG1126529
(S) Dibromofluoromethane	104			74.0-131		06/19/2018 12:57	WG1126529
(S) a,a,a-Trifluorotoluene	104			80.0-120		06/19/2018 12:57	WG1126529
(S) 4-Bromofluorobenzene	106			64.0-132		06/19/2018 12:57	WG1126529

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4620		358	889	200	06/18/2018 18:30	WG1124297
C28-C40 Oil Range	649		1.52	22.2	5	06/17/2018 00:48	WG1124297
(S) o-Terphenyl	481	J1		18.0-148		06/17/2018 00:48	WG1124297
(S) o-Terphenyl	0.000	J7		18.0-148		06/18/2018 18:30	WG1124297

Sample Narrative:

L1000945-09 WG1124297: Surrogate failure due to matrix interference

Collected date/time: 06/06/18 14:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.0		1	06/15/2018 15:14	WG1125132

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	44.1		0.828	10.4	1	06/15/2018 21:57	WG1123639

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

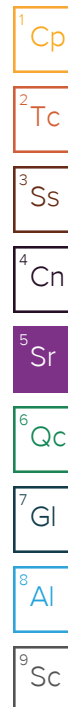
Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0333	J	0.0226	0.104	1	06/14/2018 02:54	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/14/2018 02:54	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000417	0.00104	1	06/13/2018 15:46	WG1123917
Toluene	U		0.00130	0.00521	1	06/13/2018 15:46	WG1123917
Ethylbenzene	U		0.000552	0.00260	1	06/13/2018 15:46	WG1123917
Total Xylenes	U		0.00498	0.00677	1	06/13/2018 15:46	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 15:46	WG1123917
(S) Dibromofluoromethane	100			74.0-131		06/13/2018 15:46	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 15:46	WG1123917
(S) 4-Bromofluorobenzene	102			64.0-132		06/13/2018 15:46	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.68	4.17	1	06/16/2018 20:18	WG1124297
C28-C40 Oil Range	0.645	J	0.285	4.17	1	06/16/2018 20:18	WG1124297
(S) o-Terphenyl	66.2			18.0-148		06/16/2018 20:18	WG1124297



Collected date/time: 06/06/18 15:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	54.6		0.894	11.3	1	06/15/2018 22:07	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0286	J	0.0244	0.113	1	06/14/2018 03:16	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 03:16	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000450	0.00113	1	06/13/2018 16:11	WG1123917
Toluene	U		0.00141	0.00563	1	06/13/2018 16:11	WG1123917
Ethylbenzene	U		0.000596	0.00281	1	06/13/2018 16:11	WG1123917
Total Xylenes	U		0.00538	0.00731	1	06/13/2018 16:11	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 16:11	WG1123917
(S) Dibromofluoromethane	100			74.0-131		06/13/2018 16:11	WG1123917
(S) a,a,a-Trifluorotoluene	100			80.0-120		06/13/2018 16:11	WG1123917
(S) 4-Bromofluorobenzene	102			64.0-132		06/13/2018 16:11	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.81	4.50	1	06/17/2018 00:08	WG1124297
C28-C40 Oil Range	2.45	J	0.308	4.50	1	06/17/2018 00:08	WG1124297
(S) o-Terphenyl	64.0			18.0-148		06/17/2018 00:08	WG1124297

Collected date/time: 06/06/18 15:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	52.1		0.872	11.0	1	06/15/2018 22:16	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	06/14/2018 03:38	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 03:38	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000439	0.00110	1	06/13/2018 16:36	WG1123917
Toluene	U		0.00137	0.00548	1	06/13/2018 16:36	WG1123917
Ethylbenzene	U		0.000581	0.00274	1	06/13/2018 16:36	WG1123917
Total Xylenes	U		0.00524	0.00713	1	06/13/2018 16:36	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 16:36	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 16:36	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 16:36	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 16:36	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.77	4.39	1	06/16/2018 20:32	WG1124297
C28-C40 Oil Range	0.431	J	0.301	4.39	1	06/16/2018 20:32	WG1124297
(S) o-Terphenyl	66.5			18.0-148		06/16/2018 20:32	WG1124297

Collected date/time: 06/06/18 15:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	53.1		0.893	11.2	1	06/15/2018 22:45	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0244	0.112	1	06/14/2018 04:00	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 04:00	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000449	0.00112	1	06/13/2018 17:00	WG1123917
Toluene	U		0.00140	0.00561	1	06/13/2018 17:00	WG1123917
Ethylbenzene	U		0.000595	0.00281	1	06/13/2018 17:00	WG1123917
Total Xylenes	U		0.00537	0.00730	1	06/13/2018 17:00	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 17:00	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 17:00	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 17:00	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 17:00	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.81	4.49	1	06/16/2018 20:45	WG1124297
C28-C40 Oil Range	U		0.308	4.49	1	06/16/2018 20:45	WG1124297
(S) o-Terphenyl	72.9			18.0-148		06/16/2018 20:45	WG1124297

Collected date/time: 06/06/18 16:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	314	J3	0.877	11.0	1	06/15/2018 22:54	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	06/14/2018 04:22	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120		06/14/2018 04:22	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000441	0.00110	1	06/13/2018 17:25	WG1123917
Toluene	U		0.00138	0.00552	1	06/13/2018 17:25	WG1123917
Ethylbenzene	U		0.000585	0.00276	1	06/13/2018 17:25	WG1123917
Total Xylenes	U		0.00527	0.00717	1	06/13/2018 17:25	WG1123917
(S) Toluene-d8	112			80.0-120		06/13/2018 17:25	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 17:25	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 17:25	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 17:25	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.78	4.41	1	06/16/2018 20:59	WG1124297
C28-C40 Oil Range	0.571	J	0.302	4.41	1	06/16/2018 20:59	WG1124297
(S) o-Terphenyl	63.2			18.0-148		06/16/2018 20:59	WG1124297

Collected date/time: 06/06/18 16:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.6		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	1290		5.00	62.8	5	06/15/2018 23:13	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0696	J	0.0273	0.126	1	06/19/2018 16:01	WG1126634
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		06/19/2018 16:01	WG1126634

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000503	0.00126	1	06/13/2018 17:50	WG1123917
Toluene	U		0.00157	0.00628	1	06/13/2018 17:50	WG1123917
Ethylbenzene	U		0.000666	0.00314	1	06/13/2018 17:50	WG1123917
Total Xylenes	0.00802	J	0.00601	0.00817	1	06/13/2018 17:50	WG1123917
(S) Toluene-d8	111			80.0-120		06/13/2018 17:50	WG1123917
(S) Dibromofluoromethane	102			74.0-131		06/13/2018 17:50	WG1123917
(S) a,a,a-Trifluorotoluene	100			80.0-120		06/13/2018 17:50	WG1123917
(S) 4-Bromofluorobenzene	102			64.0-132		06/13/2018 17:50	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.02	5.03	1	06/16/2018 21:13	WG1124297
C28-C40 Oil Range	U		0.344	5.03	1	06/16/2018 21:13	WG1124297
(S) o-Terphenyl	50.8			18.0-148		06/16/2018 21:13	WG1124297

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	82.7		0.836	10.5	1	06/15/2018 23:23	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	06/14/2018 05:05	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 05:05	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000421	0.00105	1	06/13/2018 18:15	WG1123917
Toluene	U		0.00131	0.00526	1	06/13/2018 18:15	WG1123917
Ethylbenzene	U		0.000557	0.00263	1	06/13/2018 18:15	WG1123917
Total Xylenes	U		0.00503	0.00683	1	06/13/2018 18:15	WG1123917
(S) Toluene-d8	114			80.0-120		06/13/2018 18:15	WG1123917
(S) Dibromofluoromethane	99.5			74.0-131		06/13/2018 18:15	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 18:15	WG1123917
(S) 4-Bromofluorobenzene	102			64.0-132		06/13/2018 18:15	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.92		1.69	4.21	1	06/16/2018 21:26	WG1124297
C28-C40 Oil Range	2.95	J	0.288	4.21	1	06/16/2018 21:26	WG1124297
(S) o-Terphenyl	69.6			18.0-148		06/16/2018 21:26	WG1124297

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 06/07/18 09:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.2		1	06/15/2018 14:19	WG1125134

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	68.6		0.967	12.2	1	06/15/2018 23:32	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0264	0.122	1	06/14/2018 05:27	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120		06/14/2018 05:27	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000486	0.00122	1	06/13/2018 18:39	WG1123917
Toluene	U		0.00152	0.00608	1	06/13/2018 18:39	WG1123917
Ethylbenzene	U		0.000644	0.00304	1	06/13/2018 18:39	WG1123917
Total Xylenes	U		0.00581	0.00790	1	06/13/2018 18:39	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 18:39	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 18:39	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 18:39	WG1123917
(S) 4-Bromofluorobenzene	102			64.0-132		06/13/2018 18:39	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.96	4.86	1	06/16/2018 21:40	WG1124297
C28-C40 Oil Range	0.766	J	0.333	4.86	1	06/16/2018 21:40	WG1124297
(S) o-Terphenyl	60.9			18.0-148		06/16/2018 21:40	WG1124297

Collected date/time: 06/07/18 10:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	06/15/2018 14:19	WG1125134

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	62.7		0.921	11.6	1	06/15/2018 23:42	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	262		2.51	11.6	100	06/19/2018 14:25	WG1126634
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		06/19/2018 14:25	WG1126634

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.00185	0.00463	4	06/13/2018 20:42	WG1123917
Toluene	0.0159	J	0.00579	0.0232	4	06/13/2018 20:42	WG1123917
Ethylbenzene	0.110		0.00246	0.0116	4	06/13/2018 20:42	WG1123917
Total Xylenes	3.99		0.0221	0.0301	4	06/13/2018 20:42	WG1123917
(S) Toluene-d8	114			80.0-120		06/13/2018 20:42	WG1123917
(S) Dibromofluoromethane	98.7			74.0-131		06/13/2018 20:42	WG1123917
(S) a,a,a-Trifluorotoluene	102			80.0-120		06/13/2018 20:42	WG1123917
(S) 4-Bromofluorobenzene	109			64.0-132		06/13/2018 20:42	WG1123917

Sample Narrative:

L1000945-18 WG1123917: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1070		9.33	23.2	5	06/17/2018 00:35	WG1124297
C28-C40 Oil Range	170		1.59	23.2	5	06/17/2018 00:35	WG1124297
(S) o-Terphenyl	142			18.0-148		06/17/2018 00:35	WG1124297

Collected date/time: 06/07/18 10:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.4		1	06/15/2018 14:19	WG1125134

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	64.6		1.01	12.8	1	06/15/2018 23:51	WG1123639

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.02		0.0277	0.128	1	06/14/2018 05:49	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/14/2018 05:49	WG1124123

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000510	0.00128	1	06/13/2018 19:04	WG1123917
Toluene	U		0.00159	0.00638	1	06/13/2018 19:04	WG1123917
Ethylbenzene	U		0.000676	0.00319	1	06/13/2018 19:04	WG1123917
Total Xylenes	0.0110		0.00610	0.00829	1	06/13/2018 19:04	WG1123917
(S) Toluene-d8	112			80.0-120		06/13/2018 19:04	WG1123917
(S) Dibromofluoromethane	101			74.0-131		06/13/2018 19:04	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 19:04	WG1123917
(S) 4-Bromofluorobenzene	103			64.0-132		06/13/2018 19:04	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	13.9		2.05	5.10	1	06/16/2018 22:34	WG1124297
C28-C40 Oil Range	1.90	J	0.350	5.10	1	06/16/2018 22:34	WG1124297
(S) o-Terphenyl	64.4			18.0-148		06/16/2018 22:34	WG1124297

Collected date/time: 06/07/18 10:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	06/15/2018 14:19	WG1125134

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	50.8		0.885	11.1	1	06/16/2018 00:01	WG1123639

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0614	J	0.0242	0.111	1	06/14/2018 06:11	WG1124123
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120		06/14/2018 06:11	WG1124123

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000445	0.00111	1	06/13/2018 19:29	WG1123917
Toluene	U		0.00139	0.00557	1	06/13/2018 19:29	WG1123917
Ethylbenzene	U		0.000590	0.00278	1	06/13/2018 19:29	WG1123917
Total Xylenes	U		0.00532	0.00724	1	06/13/2018 19:29	WG1123917
(S) Toluene-d8	113			80.0-120		06/13/2018 19:29	WG1123917
(S) Dibromofluoromethane	100			74.0-131		06/13/2018 19:29	WG1123917
(S) a,a,a-Trifluorotoluene	101			80.0-120		06/13/2018 19:29	WG1123917
(S) 4-Bromofluorobenzene	101			64.0-132		06/13/2018 19:29	WG1123917

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	12.2		1.79	4.45	1	06/16/2018 22:47	WG1124297
C28-C40 Oil Range	3.21	J	0.305	4.45	1	06/16/2018 22:47	WG1124297
(S) o-Terphenyl	68.2			18.0-148		06/16/2018 22:47	WG1124297

Collected date/time: 06/07/18 10:15

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	33.8		0.872	11.0	1	06/14/2018 00:03	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	06/18/2018 04:12	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		06/18/2018 04:12	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000439	0.00110	1	06/15/2018 00:23	WG1124618
Toluene	U		0.00137	0.00548	1	06/15/2018 00:23	WG1124618
Ethylbenzene	U		0.000581	0.00274	1	06/15/2018 00:23	WG1124618
Total Xylenes	U		0.00524	0.00713	1	06/15/2018 00:23	WG1124618
(S) Toluene-d8	110			80.0-120		06/15/2018 00:23	WG1124618
(S) Dibromofluoromethane	96.0			74.0-131		06/15/2018 00:23	WG1124618
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/15/2018 00:23	WG1124618
(S) 4-Bromofluorobenzene	102			64.0-132		06/15/2018 00:23	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	11.4		1.77	4.39	1	06/16/2018 23:01	WG1124297
C28-C40 Oil Range	2.70	J	0.300	4.39	1	06/16/2018 23:01	WG1124297
(S) o-Terphenyl	60.3			18.0-148		06/16/2018 23:01	WG1124297

Collected date/time: 06/07/18 10:20

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	35.8		0.872	11.0	1	06/14/2018 00:12	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0257	J	0.0238	0.110	1	06/18/2018 04:33	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	99.8			77.0-120		06/18/2018 04:33	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000439	0.00110	1	06/15/2018 00:43	WG1124618
Toluene	U		0.00137	0.00549	1	06/15/2018 00:43	WG1124618
Ethylbenzene	U		0.000582	0.00274	1	06/15/2018 00:43	WG1124618
Total Xylenes	U		0.00525	0.00713	1	06/15/2018 00:43	WG1124618
(S) Toluene-d8	114			80.0-120		06/15/2018 00:43	WG1124618
(S) Dibromofluoromethane	94.2			74.0-131		06/15/2018 00:43	WG1124618
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/15/2018 00:43	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 00:43	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	21.5		1.77	4.39	1	06/16/2018 23:41	WG1124297
C28-C40 Oil Range	4.41		0.301	4.39	1	06/16/2018 23:41	WG1124297
(S) o-Terphenyl	62.3			18.0-148		06/16/2018 23:41	WG1124297

Collected date/time: 06/07/18 14:30

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.1		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	49.2		0.980	12.3	1	06/14/2018 00:22	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0268	0.123	1	06/18/2018 04:54	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 04:54	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00123	1	06/15/2018 01:03	WG1124618
Toluene	U		0.00154	0.00617	1	06/15/2018 01:03	WG1124618
Ethylbenzene	0.000858	J	0.000654	0.00308	1	06/15/2018 01:03	WG1124618
Total Xylenes	U		0.00589	0.00801	1	06/15/2018 01:03	WG1124618
(S) Toluene-d8	110			80.0-120		06/15/2018 01:03	WG1124618
(S) Dibromofluoromethane	95.5			74.0-131		06/15/2018 01:03	WG1124618
(S) a,a,a-Trifluorotoluene	110			80.0-120		06/15/2018 01:03	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 01:03	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.03	J	1.99	4.93	1	06/16/2018 23:54	WG1124297
C28-C40 Oil Range	1.16	J	0.338	4.93	1	06/16/2018 23:54	WG1124297
(S) o-Terphenyl	49.8			18.0-148		06/16/2018 23:54	WG1124297

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.7		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	33.5		0.831	10.5	1	06/14/2018 00:31	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	06/18/2018 05:15	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		06/18/2018 05:15	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000418	0.00105	1	06/15/2018 01:23	WG1124618
Toluene	U		0.00131	0.00523	1	06/15/2018 01:23	WG1124618
Ethylbenzene	U		0.000554	0.00261	1	06/15/2018 01:23	WG1124618
Total Xylenes	U		0.00500	0.00680	1	06/15/2018 01:23	WG1124618
(S) Toluene-d8	110			80.0-120		06/15/2018 01:23	WG1124618
(S) Dibromofluoromethane	97.0			74.0-131		06/15/2018 01:23	WG1124618
(S) a,a,a-Trifluorotoluene	108			80.0-120		06/15/2018 01:23	WG1124618
(S) 4-Bromofluorobenzene	105			64.0-132		06/15/2018 01:23	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.68	4.18	1	06/18/2018 13:59	WG1124298
C28-C40 Oil Range	0.610	J	0.286	4.18	1	06/18/2018 13:59	WG1124298
(S) o-Terphenyl	102			18.0-148		06/18/2018 13:59	WG1124298

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

Collected date/time: 06/07/18 14:40

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.0		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	34.8		0.846	10.6	1	06/14/2018 00:50	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0231	0.106	1	06/18/2018 05:36	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	97.7			77.0-120		06/18/2018 05:36	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000426	0.00106	1	06/15/2018 01:43	WG1124618
Toluene	U		0.00133	0.00532	1	06/15/2018 01:43	WG1124618
Ethylbenzene	U		0.000564	0.00266	1	06/15/2018 01:43	WG1124618
Total Xylenes	U		0.00509	0.00692	1	06/15/2018 01:43	WG1124618
(S) Toluene-d8	111			80.0-120		06/15/2018 01:43	WG1124618
(S) Dibromofluoromethane	94.2			74.0-131		06/15/2018 01:43	WG1124618
(S) a,a,a-Trifluorotoluene	107			80.0-120		06/15/2018 01:43	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 01:43	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.71	4.26	1	06/18/2018 14:14	WG1124298
C28-C40 Oil Range	U		0.292	4.26	1	06/18/2018 14:14	WG1124298
(S) o-Terphenyl	108			18.0-148		06/18/2018 14:14	WG1124298

Collected date/time: 06/07/18 15:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.5		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	16.0		0.833	10.5	1	06/14/2018 01:00	WG1123640

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	06/18/2018 05:57	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		06/18/2018 05:57	WG1125330

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000419	0.00105	1	06/15/2018 02:03	WG1124618
Toluene	U		0.00131	0.00524	1	06/15/2018 02:03	WG1124618
Ethylbenzene	U		0.000555	0.00262	1	06/15/2018 02:03	WG1124618
Total Xylenes	U		0.00501	0.00681	1	06/15/2018 02:03	WG1124618
(S) Toluene-d8	110			80.0-120		06/15/2018 02:03	WG1124618
(S) Dibromofluoromethane	96.5			74.0-131		06/15/2018 02:03	WG1124618
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/15/2018 02:03	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 02:03	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.69	4.19	1	06/18/2018 14:27	WG1124298
C28-C40 Oil Range	2.52	J	0.287	4.19	1	06/18/2018 14:27	WG1124298
(S) o-Terphenyl	102			18.0-148		06/18/2018 14:27	WG1124298

Collected date/time: 06/07/18 15:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.1		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	4440		8.63	109	10	06/14/2018 01:28	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	06/18/2018 06:18	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		06/18/2018 06:18	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000434	0.00109	1	06/15/2018 02:23	WG1124618
Toluene	U		0.00136	0.00543	1	06/15/2018 02:23	WG1124618
Ethylbenzene	U		0.000575	0.00271	1	06/15/2018 02:23	WG1124618
Total Xylenes	U		0.00519	0.00706	1	06/15/2018 02:23	WG1124618
(S) Toluene-d8	107			80.0-120		06/15/2018 02:23	WG1124618
(S) Dibromofluoromethane	95.9			74.0-131		06/15/2018 02:23	WG1124618
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/15/2018 02:23	WG1124618
(S) 4-Bromofluorobenzene	107			64.0-132		06/15/2018 02:23	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.75	4.34	1	06/18/2018 14:40	WG1124298
C28-C40 Oil Range	1.35	J	0.297	4.34	1	06/18/2018 14:40	WG1124298
(S) o-Terphenyl	89.1			18.0-148		06/18/2018 14:40	WG1124298

Collected date/time: 06/07/18 15:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.1		1	06/15/2018 13:59	WG1125135

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	40.2		0.845	10.6	1	06/14/2018 01:38	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0231	0.106	1	06/18/2018 06:39	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/18/2018 06:39	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000425	0.00106	1	06/15/2018 02:43	WG1124618
Toluene	U		0.00133	0.00531	1	06/15/2018 02:43	WG1124618
Ethylbenzene	U		0.000563	0.00266	1	06/15/2018 02:43	WG1124618
Total Xylenes	U		0.00508	0.00691	1	06/15/2018 02:43	WG1124618
(S) Toluene-d8	109			80.0-120		06/15/2018 02:43	WG1124618
(S) Dibromofluoromethane	94.7			74.0-131		06/15/2018 02:43	WG1124618
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/15/2018 02:43	WG1124618
(S) 4-Bromofluorobenzene	105			64.0-132		06/15/2018 02:43	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.71	4.25	1	06/18/2018 15:22	WG1124298
C28-C40 Oil Range	2.49	J	0.291	4.25	1	06/18/2018 15:22	WG1124298
(S) o-Terphenyl	103			18.0-148		06/18/2018 15:22	WG1124298

Collected date/time: 06/08/18 08:15

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.0		1	06/15/2018 13:59	WG1125135

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	70.7		0.865	10.9	1	06/14/2018 01:47	WG1123640

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	06/18/2018 07:00	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 07:00	WG1125330

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000435	0.00109	1	06/15/2018 03:03	WG1124618
Toluene	U		0.00136	0.00544	1	06/15/2018 03:03	WG1124618
Ethylbenzene	U		0.000576	0.00272	1	06/15/2018 03:03	WG1124618
Total Xylenes	U		0.00520	0.00707	1	06/15/2018 03:03	WG1124618
(S) Toluene-d8	111			80.0-120		06/15/2018 03:03	WG1124618
(S) Dibromofluoromethane	95.8			74.0-131		06/15/2018 03:03	WG1124618
(S) a,a,a-Trifluorotoluene	108			80.0-120		06/15/2018 03:03	WG1124618
(S) 4-Bromofluorobenzene	105			64.0-132		06/15/2018 03:03	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.40	J	1.75	4.35	1	06/18/2018 15:35	WG1124298
C28-C40 Oil Range	5.63		0.298	4.35	1	06/18/2018 15:35	WG1124298
(S) o-Terphenyl	98.3			18.0-148		06/18/2018 15:35	WG1124298

Collected date/time: 06/08/18 08:20

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.2		1	06/15/2018 13:59	WG1125135

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	64.1		1.02	12.8	1	06/14/2018 02:16	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0277	0.128	1	06/18/2018 07:21	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		06/18/2018 07:21	WG1125330

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000511	0.00128	1	06/15/2018 03:24	WG1124618
Toluene	U		0.00160	0.00639	1	06/15/2018 03:24	WG1124618
Ethylbenzene	U		0.000678	0.00320	1	06/15/2018 03:24	WG1124618
Total Xylenes	U		0.00611	0.00831	1	06/15/2018 03:24	WG1124618
(S) Toluene-d8	108			80.0-120		06/15/2018 03:24	WG1124618
(S) Dibromofluoromethane	96.4			74.0-131		06/15/2018 03:24	WG1124618
(S) a,a,a-Trifluorotoluene	110			80.0-120		06/15/2018 03:24	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 03:24	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.87	J	2.06	5.11	1	06/18/2018 15:48	WG1124298
C28-C40 Oil Range	6.66		0.350	5.11	1	06/18/2018 15:48	WG1124298
(S) o-Terphenyl	81.3			18.0-148		06/18/2018 15:48	WG1124298

Collected date/time: 06/08/18 10:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.4		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	59.8		1.07	13.4	1	06/14/2018 02:25	WG1123640

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0292	0.134	1	06/18/2018 07:42	WG1125330
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		06/18/2018 07:42	WG1125330

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000538	0.00134	1	06/15/2018 03:44	WG1124618
Toluene	U		0.00168	0.00672	1	06/15/2018 03:44	WG1124618
Ethylbenzene	U		0.000713	0.00336	1	06/15/2018 03:44	WG1124618
Total Xylenes	U		0.00643	0.00874	1	06/15/2018 03:44	WG1124618
(S) Toluene-d8	109			80.0-120		06/15/2018 03:44	WG1124618
(S) Dibromofluoromethane	92.6			74.0-131		06/15/2018 03:44	WG1124618
(S) a,a,a-Trifluorotoluene	107			80.0-120		06/15/2018 03:44	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 03:44	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.16	5.38	1	06/18/2018 16:02	WG1124298
C28-C40 Oil Range	0.377	J	0.368	5.38	1	06/18/2018 16:02	WG1124298
(S) o-Terphenyl	55.8			18.0-148		06/18/2018 16:02	WG1124298

Collected date/time: 06/08/18 10:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.9		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	57.6		1.06	13.3	1	06/14/2018 02:35	WG1123640

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0290	J	0.0290	0.133	1	06/18/2018 01:30	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 01:30	WG1125972

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000534	0.00133	1	06/15/2018 04:04	WG1124618
Toluene	U		0.00167	0.00667	1	06/15/2018 04:04	WG1124618
Ethylbenzene	U		0.000708	0.00334	1	06/15/2018 04:04	WG1124618
Total Xylenes	U		0.00638	0.00868	1	06/15/2018 04:04	WG1124618
(S) Toluene-d8	110			80.0-120		06/15/2018 04:04	WG1124618
(S) Dibromofluoromethane	94.3			74.0-131		06/15/2018 04:04	WG1124618
(S) a,a,a-Trifluorotoluene	108			80.0-120		06/15/2018 04:04	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 04:04	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.15	5.34	1	06/18/2018 16:16	WG1124298
C28-C40 Oil Range	U		0.366	5.34	1	06/18/2018 16:16	WG1124298
(S) o-Terphenyl	69.9			18.0-148		06/18/2018 16:16	WG1124298

Collected date/time: 06/08/18 10:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.9		1	06/15/2018 13:47	WG1125137

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	51.6		1.02	12.8	1	06/14/2018 02:44	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0351	J	0.0279	0.128	1	06/18/2018 01:52	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/18/2018 01:52	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000513	0.00128	1	06/15/2018 04:24	WG1124618
Toluene	U		0.00160	0.00642	1	06/15/2018 04:24	WG1124618
Ethylbenzene	U		0.000680	0.00321	1	06/15/2018 04:24	WG1124618
Total Xylenes	U		0.00614	0.00834	1	06/15/2018 04:24	WG1124618
(S) Toluene-d8	110			80.0-120		06/15/2018 04:24	WG1124618
(S) Dibromofluoromethane	92.9			74.0-131		06/15/2018 04:24	WG1124618
(S) a,a,a-Trifluorotoluene	110			80.0-120		06/15/2018 04:24	WG1124618
(S) 4-Bromofluorobenzene	105			64.0-132		06/15/2018 04:24	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		6.20	15.4	3	06/18/2018 16:29	WG1124298
C28-C40 Oil Range	U		1.06	15.4	3	06/18/2018 16:29	WG1124298
(S) o-Terphenyl	99.8			18.0-148		06/18/2018 16:29	WG1124298

Collected date/time: 06/08/18 11:00

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.7		1	06/15/2018 13:47	WG1125137

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	44.2		0.840	10.6	1	06/14/2018 02:54	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0259	J	0.0229	0.106	1	06/18/2018 02:13	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/18/2018 02:13	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000423	0.00106	1	06/15/2018 04:44	WG1124618
Toluene	U		0.00132	0.00528	1	06/15/2018 04:44	WG1124618
Ethylbenzene	U		0.000560	0.00264	1	06/15/2018 04:44	WG1124618
Total Xylenes	U		0.00505	0.00687	1	06/15/2018 04:44	WG1124618
(S) Toluene-d8	112			80.0-120		06/15/2018 04:44	WG1124618
(S) Dibromofluoromethane	93.3			74.0-131		06/15/2018 04:44	WG1124618
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/15/2018 04:44	WG1124618
(S) 4-Bromofluorobenzene	108			64.0-132		06/15/2018 04:44	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	34.9		1.70	4.23	1	06/18/2018 16:43	WG1124298
C28-C40 Oil Range	13.2		0.289	4.23	1	06/18/2018 16:43	WG1124298
(S) o-Terphenyl	65.8			18.0-148		06/18/2018 16:43	WG1124298

Collected date/time: 06/08/18 11:05

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.5		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	33.5		0.832	10.5	1	06/14/2018 03:23	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	06/18/2018 02:35	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/18/2018 02:35	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000419	0.00105	1	06/15/2018 05:04	WG1124618
Toluene	U		0.00131	0.00523	1	06/15/2018 05:04	WG1124618
Ethylbenzene	U		0.000555	0.00262	1	06/15/2018 05:04	WG1124618
Total Xylenes	U		0.00500	0.00681	1	06/15/2018 05:04	WG1124618
(S) Toluene-d8	113			80.0-120		06/15/2018 05:04	WG1124618
(S) Dibromofluoromethane	93.4			74.0-131		06/15/2018 05:04	WG1124618
(S) a,a,a-Trifluorotoluene	108			80.0-120		06/15/2018 05:04	WG1124618
(S) 4-Bromofluorobenzene	108			64.0-132		06/15/2018 05:04	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.25	J	1.69	4.19	1	06/18/2018 16:57	WG1124298
C28-C40 Oil Range	4.47		0.287	4.19	1	06/18/2018 16:57	WG1124298
(S) o-Terphenyl	90.9			18.0-148		06/18/2018 16:57	WG1124298

Collected date/time: 06/08/18 11:10

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.3		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	55.8		0.990	12.5	1	06/14/2018 03:32	WG1123640

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0270	0.125	1	06/18/2018 02:56	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 02:56	WG1125972

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000498	0.00125	1	06/15/2018 05:24	WG1124618
Toluene	U		0.00156	0.00623	1	06/15/2018 05:24	WG1124618
Ethylbenzene	U		0.000660	0.00311	1	06/15/2018 05:24	WG1124618
Total Xylenes	U		0.00595	0.00810	1	06/15/2018 05:24	WG1124618
(S) Toluene-d8	106			80.0-120		06/15/2018 05:24	WG1124618
(S) Dibromofluoromethane	93.3			74.0-131		06/15/2018 05:24	WG1124618
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/15/2018 05:24	WG1124618
(S) 4-Bromofluorobenzene	103			64.0-132		06/15/2018 05:24	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.01	4.98	1	06/18/2018 17:11	WG1124298
C28-C40 Oil Range	U		0.341	4.98	1	06/18/2018 17:11	WG1124298
(S) o-Terphenyl	49.6			18.0-148		06/18/2018 17:11	WG1124298

Collected date/time: 06/08/18 11:15

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.5		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	37.6		0.833	10.5	1	06/14/2018 03:42	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	06/18/2018 03:18	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 03:18	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000419	0.00105	1	06/15/2018 05:44	WG1124618
Toluene	U		0.00131	0.00524	1	06/15/2018 05:44	WG1124618
Ethylbenzene	U		0.000555	0.00262	1	06/15/2018 05:44	WG1124618
Total Xylenes	U		0.00501	0.00681	1	06/15/2018 05:44	WG1124618
(S) Toluene-d8	111			80.0-120		06/15/2018 05:44	WG1124618
(S) Dibromofluoromethane	94.2			74.0-131		06/15/2018 05:44	WG1124618
(S) a,a,a-Trifluorotoluene	107			80.0-120		06/15/2018 05:44	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 05:44	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.69	4.19	1	06/18/2018 17:24	WG1124298
C28-C40 Oil Range	1.01	J	0.287	4.19	1	06/18/2018 17:24	WG1124298
(S) o-Terphenyl	76.1			18.0-148		06/18/2018 17:24	WG1124298

Collected date/time: 06/06/18 13:30

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.7		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	52.0		0.997	12.5	1	06/14/2018 04:01	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0272	0.125	1	06/18/2018 03:40	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 03:40	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000502	0.00125	1	06/15/2018 06:04	WG1124618
Toluene	U		0.00157	0.00627	1	06/15/2018 06:04	WG1124618
Ethylbenzene	U		0.000665	0.00314	1	06/15/2018 06:04	WG1124618
Total Xylenes	U		0.00599	0.00815	1	06/15/2018 06:04	WG1124618
(S) Toluene-d8	109			80.0-120		06/15/2018 06:04	WG1124618
(S) Dibromofluoromethane	93.2			74.0-131		06/15/2018 06:04	WG1124618
(S) a,a,a-Trifluorotoluene	108			80.0-120		06/15/2018 06:04	WG1124618
(S) 4-Bromofluorobenzene	106			64.0-132		06/15/2018 06:04	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.02	5.02	1	06/18/2018 17:36	WG1124298
C28-C40 Oil Range	1.30	J	0.344	5.02	1	06/18/2018 17:36	WG1124298
(S) o-Terphenyl	68.5			18.0-148		06/18/2018 17:36	WG1124298

Collected date/time: 06/06/18 13:35

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.2		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	922		4.32	54.2	5	06/14/2018 04:10	WG1123640

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0235	0.108	1	06/18/2018 04:01	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		06/18/2018 04:01	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000434	0.00108	1	06/15/2018 06:24	WG1124618
Toluene	U		0.00136	0.00542	1	06/15/2018 06:24	WG1124618
Ethylbenzene	U		0.000575	0.00271	1	06/15/2018 06:24	WG1124618
Total Xylenes	U		0.00519	0.00705	1	06/15/2018 06:24	WG1124618
(S) Toluene-d8	111			80.0-120		06/15/2018 06:24	WG1124618
(S) Dibromofluoromethane	94.8			74.0-131		06/15/2018 06:24	WG1124618
(S) a,a,a-Trifluorotoluene	107			80.0-120		06/15/2018 06:24	WG1124618
(S) 4-Bromofluorobenzene	109			64.0-132		06/15/2018 06:24	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.75	4.34	1	06/18/2018 17:49	WG1124298
C28-C40 Oil Range	0.730	J	0.297	4.34	1	06/18/2018 17:49	WG1124298
(S) o-Terphenyl	81.1			18.0-148		06/18/2018 17:49	WG1124298

Collected date/time: 06/06/18 13:40

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.7		1	06/15/2018 13:47	WG1125137

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	53.9		0.985	12.4	1	06/14/2018 04:20	WG1123640

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0343	J	0.0269	0.124	1	06/18/2018 04:23	WG1125972
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120		06/18/2018 04:23	WG1125972

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U	J3	0.000496	0.00124	1	06/15/2018 06:44	WG1124618
Toluene	U	J3	0.00155	0.00620	1	06/15/2018 06:44	WG1124618
Ethylbenzene	U	J3	0.000657	0.00310	1	06/15/2018 06:44	WG1124618
Total Xylenes	U	J3	0.00592	0.00806	1	06/15/2018 06:44	WG1124618
(S) Toluene-d8	108			80.0-120		06/15/2018 06:44	WG1124618
(S) Dibromofluoromethane	93.6			74.0-131		06/15/2018 06:44	WG1124618
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/15/2018 06:44	WG1124618
(S) 4-Bromofluorobenzene	107			64.0-132		06/15/2018 06:44	WG1124618

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.00	4.96	1	06/18/2018 18:02	WG1124298
C28-C40 Oil Range	3.66	J	0.340	4.96	1	06/18/2018 18:02	WG1124298
(S) o-Terphenyl	72.7			18.0-148		06/18/2018 18:02	WG1124298

Collected date/time: 06/06/18 13:45

L1000945

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	06/15/2018 14:39	WG1125139

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	43.4		0.891	11.2	1	06/13/2018 16:53	WG1123828

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0243	0.112	1	06/18/2018 04:45	WG1125972
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	103			77.0-120		06/18/2018 04:45	WG1125972

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000448	0.00112	1	06/15/2018 00:15	WG1124803
Toluene	U		0.00140	0.00560	1	06/15/2018 00:15	WG1124803
Ethylbenzene	U		0.000594	0.00280	1	06/15/2018 00:15	WG1124803
Total Xylenes	U		0.00536	0.00728	1	06/15/2018 00:15	WG1124803
(S) Toluene-d8	108			80.0-120		06/15/2018 00:15	WG1124803
(S) Dibromofluoromethane	87.9			74.0-131		06/15/2018 00:15	WG1124803
(S) <i>a,a,a</i> -Trifluorotoluene	103			80.0-120		06/15/2018 00:15	WG1124803
(S) 4-Bromofluorobenzene	108			64.0-132		06/15/2018 00:15	WG1124803

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.80	4.48	1	06/18/2018 18:16	WG1124298
C28-C40 Oil Range	3.36	J	0.307	4.48	1	06/18/2018 18:16	WG1124298
(S) <i>o</i> -Terphenyl	97.8			18.0-148		06/18/2018 18:16	WG1124298

Total Solids by Method 2540 G-2011 [L1000945-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3318462-1 06/15/18 15:14

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L1000945-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-01 06/15/18 15:14 • (DUP) R3318462-3 06/15/18 15:14

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.0	91.6	1	0.622		5

Laboratory Control Sample (LCS)

(LCS) R3318462-2 06/15/18 15:14

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1000945-11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3318461-1 06/15/18 14:19

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

L1000945-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-11 06/15/18 14:19 • (DUP) R3318461-3 06/15/18 14:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	88.9	88.1	1	0.886		5

Laboratory Control Sample (LCS)

(LCS) R3318461-2 06/15/18 14:19

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1000945-21,22,23,24,25,26,27,28,29,30](#)

Method Blank (MB)

(MB) R3318459-1 06/15/18 13:59

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

L1000945-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-22 06/15/18 13:59 • (DUP) R3318459-3 06/15/18 13:59

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.1	91.1	1	0.0144		5

Laboratory Control Sample (LCS)

(LCS) R3318459-2 06/15/18 13:59

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1000945-31,32,33,34,35,36,37,38,39,40](#)

Method Blank (MB)

(MB) R3318457-1 06/15/18 13:47

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

L1000945-33 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-33 06/15/18 13:47 • (DUP) R3318457-3 06/15/18 13:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	77.9	77.7	1	0.205		5

Laboratory Control Sample (LCS)

(LCS) R3318457-2 06/15/18 13:47

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1000945-41](#)

Method Blank (MB)

(MB) R3318681-1 06/15/18 14:39

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L1000962-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1000962-01 06/15/18 14:39 • (DUP) R3318681-3 06/15/18 14:39

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	79.4	80.3	1	1.07		5

Laboratory Control Sample (LCS)

(LCS) R3318681-2 06/15/18 14:39

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

[L1000945-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3318437-1 06/15/18 18:43

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1000945-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-04 06/15/18 20:03 • (DUP) R3318437-4 06/15/18 20:12

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	45.8	49.0	1	6.78		15

L1000945-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-14 06/15/18 22:54 • (DUP) R3318437-7 06/15/18 23:04

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	314	366	1	15.4	J3	15

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

(LCS) R3318437-2 06/15/18 18:53 • (LCSD) R3318437-3 06/15/18 19:02

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	205	203	102	102	80.0-120			0.717	15

L1000945-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000945-09 06/15/18 21:19 • (MS) R3318437-5 06/15/18 21:29 • (MSD) R3318437-6 06/15/18 21:38

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	555	801	1270	1230	84.8	77.0	1	80.0-120	E	E J6	3.46	15

Wet Chemistry by Method 9056A

[L1000945-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40](#)

Method Blank (MB)

(MB) R3317812-1 06/13/18 22:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		0.795	10.0

L1000945-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-24 06/14/18 00:31 • (DUP) R3317812-4 06/14/18 00:41

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	33.5	33.7	1	0.669		15

L1000945-37 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-37 06/14/18 03:42 • (DUP) R3317812-7 06/14/18 03:51

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	37.6	37.7	1	0.114		15

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

(LCS) R3317812-2 06/13/18 23:09 • (LCSD) R3317812-3 06/13/18 23:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	200	199	197	99.4	98.5	80.0-120			0.844	15

L1000945-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000945-29 06/14/18 01:47 • (MS) R3317812-5 06/14/18 01:57 • (MSD) R3317812-6 06/14/18 02:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	544	70.7	635	615	104	100	1	80.0-120			3.31	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A [L1000945-41](#)

Method Blank (MB)

(MB) R3317701-1 06/13/18 14:56

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

L1000945-41 Original Sample (OS) • Duplicate (DUP)

(OS) L1000945-41 06/13/18 16:53 • (DUP) R3317701-4 06/13/18 17:02

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	43.4	43.0	1	1.01		15

L1001177-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1001177-02 06/13/18 20:32 • (DUP) R3317701-5 06/13/18 20:41

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	2730	2990	5	9.10		15

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

(LCS) R3317701-2 06/13/18 15:06 • (LCSD) R3317701-3 06/13/18 15:15

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	202	202	101	101	80.0-120			0.0585	15

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

Method Blank (MB)

(MB) R3319024-3 06/13/18 14:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120

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

(LCS) R3319024-1 06/13/18 12:00 • (LCSD) R3319024-2 06/13/18 12:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.63	5.80	102	105	70.0-136			2.99	20
(S) a,a,a-Trifluorotoluene(FID)				100	98.8	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1000945-21,22,23,24,25,26,27,28,29,30,31

Method Blank (MB)

(MB) R3318646-3 06/18/18 00:41

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

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

(LCS) R3318646-1 06/17/18 23:38 • (LCSD) R3318646-2 06/17/18 23:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	6.08	6.05	111	110	70.0-136			0.565	20
(S) a,a,a-Trifluorotoluene(FID)				94.9	94.2	77.0-120				

L1001877-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1001877-03 06/18/18 02:27 • (MS) R3318646-4 06/18/18 08:03 • (MSD) R3318646-5 06/18/18 08:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	6.30	985	2280	2330	41.1	42.7	500	10.0-147			2.28	30
(S) a,a,a-Trifluorotoluene(FID)					95.7	93.8		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1000945-32,33,34,35,36,37,38,39,40,41](#)

Method Blank (MB)

(MB) R3318792-3 06/18/18 00:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120

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

(LCS) R3318792-1 06/17/18 22:58 • (LCSD) R3318792-2 06/17/18 23:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.77	5.55	105	101	70.0-136			3.81	20
(S) a,a,a-Trifluorotoluene(FID)				104	104	77.0-120				

L1000908-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000908-12 06/18/18 07:38 • (MS) R3318792-4 06/18/18 08:00 • (MSD) R3318792-5 06/18/18 08:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.85	443	1060	1020	52.9	49.4	200	10.0-147			3.94	30
(S) a,a,a-Trifluorotoluene(FID)					101	100		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1000945-06,07,15,18

Method Blank (MB)

(MB) R3319119-3 06/19/18 11:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

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

(LCS) R3319119-1 06/19/18 09:56 • (LCSD) R3319119-2 06/19/18 10:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.83	4.46	87.8	81.2	70.0-136			7.85	20
(S) a,a,a-Trifluorotoluene(FID)				107	106	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1000945-01,02,03,04,05,06,08,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3318968-3 06/13/18 10:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	111			80.0-120
(S) Dibromofluoromethane	103			74.0-131
(S) a,a,a-Trifluorotoluene	103			80.0-120
(S) 4-Bromofluorobenzene	100			64.0-132

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

(LCS) R3318968-1 06/13/18 09:06 • (LCSD) R3318968-2 06/13/18 09:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.113	0.113	90.1	90.5	71.0-124			0.485	20
Ethylbenzene	0.125	0.117	0.119	93.4	95.2	77.0-120			1.90	20
Toluene	0.125	0.113	0.115	90.7	92.1	70.0-120			1.59	20
Xylenes, Total	0.375	0.342	0.348	91.2	92.8	77.0-120			1.74	20
(S) Toluene-d8				107	108	80.0-120				
(S) Dibromofluoromethane				107	105	74.0-131				
(S) a,a,a-Trifluorotoluene				103	103	80.0-120				
(S) 4-Bromofluorobenzene				102	102	64.0-132				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

[L1000945-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40](#)

Method Blank (MB)

(MB) R3318811-3 06/14/18 23:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	106			80.0-120
(S) Dibromofluoromethane	94.3			74.0-131
(S) a,a,a-Trifluorotoluene	108			80.0-120
(S) 4-Bromofluorobenzene	105			64.0-132

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

(LCS) R3318811-1 06/14/18 22:20 • (LCSD) R3318811-2 06/14/18 22:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.109	0.108	87.2	86.5	71.0-124			0.851	20
Ethylbenzene	0.125	0.115	0.116	91.9	93.1	77.0-120			1.27	20
Toluene	0.125	0.122	0.126	97.6	101	70.0-120			2.97	20
Xylenes, Total	0.375	0.333	0.330	88.8	88.0	77.0-120			0.905	20
(S) Toluene-d8				105	107	80.0-120				
(S) Dibromofluoromethane				104	105	74.0-131				
(S) a,a,a-Trifluorotoluene				106	105	80.0-120				
(S) 4-Bromofluorobenzene				101	99.1	64.0-132				

L1000945-40 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000945-40 06/15/18 06:44 • (MS) R3318811-4 06/15/18 07:04 • (MSD) R3318811-5 06/15/18 07:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.155	U	0.104	0.0414	67.2	26.7	1	13.0-146		J3	86.2	27
Ethylbenzene	0.155	U	0.115	0.0388	74.3	25.0	1	10.0-147		J3	99.1	31
Toluene	0.155	U	0.129	0.0498	83.2	32.1	1	10.0-144		J3	88.5	28
Xylenes, Total	0.465	U	0.329	0.132	70.8	28.4	1	10.0-150		J3	85.5	31
(S) Toluene-d8					111	107		80.0-120				
(S) Dibromofluoromethane					95.8	96.3		74.0-131				
(S) a,a,a-Trifluorotoluene					108	105		80.0-120				
(S) 4-Bromofluorobenzene					108	105		64.0-132				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

L1000945-41

Method Blank (MB)

(MB) R3318168-3 06/14/18 20:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	112			80.0-120
(S) Dibromofluoromethane	84.8			74.0-131
(S) a,a,a-Trifluorotoluene	102			80.0-120
(S) 4-Bromofluorobenzene	107			64.0-132

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

(LCS) R3318168-1 06/14/18 19:17 • (LCSD) R3318168-2 06/14/18 19:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.102	0.0922	81.3	73.8	71.0-124			9.75	20
Ethylbenzene	0.125	0.107	0.0988	85.4	79.0	77.0-120			7.79	20
Toluene	0.125	0.111	0.104	88.8	83.2	70.0-120			6.47	20
Xylenes, Total	0.375	0.320	0.299	85.3	79.8	77.0-120			6.68	20
(S) Toluene-d8				108	108	80.0-120				
(S) Dibromofluoromethane				94.7	85.9	74.0-131				
(S) a,a,a-Trifluorotoluene				104	104	80.0-120				
(S) 4-Bromofluorobenzene				105	105	64.0-132				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

L1000945-06.07.09

Method Blank (MB)

(MB) R3319033-3 06/19/18 10:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	111			80.0-120
(S) Dibromofluoromethane	94.5			74.0-131
(S) a,a,a-Trifluorotoluene	110			80.0-120
(S) 4-Bromofluorobenzene	104			64.0-132

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

(LCS) R3319033-1 06/19/18 08:53 • (LCSD) R3319033-2 06/19/18 09:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.110	0.109	87.8	86.9	71.0-124			1.04	20
Ethylbenzene	0.125	0.113	0.108	90.4	86.4	77.0-120			4.49	20
Toluene	0.125	0.128	0.123	102	98.2	70.0-120			4.09	20
Xylenes, Total	0.375	0.330	0.321	88.0	85.6	77.0-120			2.76	20
(S) Toluene-d8				110	108	80.0-120				
(S) Dibromofluoromethane				104	105	74.0-131				
(S) a,a,a-Trifluorotoluene				104	103	80.0-120				
(S) 4-Bromofluorobenzene				101	99.4	64.0-132				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1000945-01,02,03,04](#)

Method Blank (MB)

(MB) R3318492-1 06/16/18 11:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	80.9			18.0-148

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

(LCS) R3318492-2 06/16/18 12:09 • (LCSD) R3318492-3 06/16/18 12:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	33.7	31.7	67.3	63.4	50.0-150			6.05	20
(S) o-Terphenyl				88.4	76.9	18.0-148				

L1000945-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000945-01 06/16/18 13:16 • (MS) R3318492-4 06/16/18 13:30 • (MSD) R3318492-5 06/16/18 13:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.9	U	33.7	38.9	61.3	70.7	1	50.0-150			14.3	20
(S) o-Terphenyl					67.3	98.1		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1000945-05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23](#)

Method Blank (MB)

(MB) R3318715-1 06/16/18 18:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	70.3			18.0-148

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

(LCS) R3318715-2 06/16/18 19:11 • (LCSD) R3318715-3 06/16/18 19:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	36.6	34.2	73.2	68.5	50.0-150			6.77	20
(S) o-Terphenyl				72.4	72.6	18.0-148				

L1000945-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1000945-21 06/16/18 23:01 • (MS) R3318715-4 06/16/18 23:14 • (MSD) R3318715-5 06/16/18 23:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.8	11.4	53.4	52.6	76.5	75.0	1	50.0-150			1.54	20
(S) o-Terphenyl					64.8	64.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1000945-24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41](#)

Method Blank (MB)

(MB) R3318843-1 06/18/18 13:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	108			18.0-148

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

(LCS) R3318843-2 06/18/18 13:32 • (LCSD) R3318843-3 06/18/18 13:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	41.2	34.2	82.4	68.4	50.0-150			18.5	20
(S) o-Terphenyl				139	118	18.0-148				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

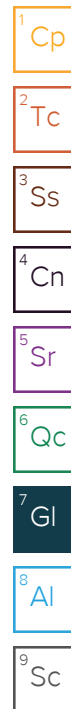
Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.



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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations


A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		


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

Our Locations




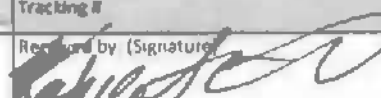

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.




Tetra Tech 4000 N Big Spring St. Ste. 401 Midland, TX 79705		Billing Information:		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 1 of 3	
Report to: Kayla Taylor		Email To: Kayla.Loveley.Taylor@tetra-tech.com														 12065 Lebanon Rd Missouri, TN 37122 Phone 615 758 5858 Phone 800 267 5859 Fax 615 758 5859	
Project Description: Battle Ave 27 Feb 2024		City/State Collected: La Com														L1066945 F157	
Phone: _____ Fax: _____		Client Project #: Z120-MD-01269		Lab Project #:													
Collected by (print): Clark Murrett		Site/Facility ID #: Battle Ave 27		P.O. #:													
Collected by (signature):		Rush? (Lab MUST Be Notified)		Quote #:													
Immediately Packed on Ice: <input checked="" type="checkbox"/>		<input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Date Results Needed													
																Accnum: TETRAHTX Template: Prelogin: TSR: PB Shipped Via:	
Sample ID		Comp/Grab		Matrix*		Depth		Date		Time		No of Cntrs					
AH-1-1		—		—		—		—		—		X		X		X	
AH-3 (1-2)		—		SS		—		6/16		10:15		X		X		X	
AH-3 (2-3)		—		SS		—		↓		10:20		X		X		X	
AH-3 (3-4)		—		↓		—		↓		10:25		X		X		X	
ESW-3 (10')		—		↓		—		↓		10:30		X		X		X	
ESW-2		—		↓		—		↓		11:00		X		X		X	
AH-2 (3-4)		—		↓		—		↓		13:00		X		X		X	
AH-2 (4-5)		—		↓		—		↓		13:05		X		X		X	
AH-2 (5-6)		—		↓		—		↓		13:10		X		X		X	
AH-2 (NSW)-2		—		↓		—		↓		14:00		X		X		X	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other		Remarks:															
Samples shipped via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking # 4430 3423 6020															
Relinquished by: (Signature)		Date: 6/11/18		Time: 08:00		Received by: (Signature)		Trip Blank Received: Yes / No		MCL / MeqH		TBR					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: 19.3 °C		Bottles Received: 41		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: 6/12/18		Time: 845		Hold				Condition: MCF 1/OK	

Tetra Tech 4000 N Big Spring St. Ste. 401 Midland, TX 79705		Billing Information		Pres. Chk		Analysis / Container / Preservative										Chain of Custody Page 134 of 376	
Report to: Karla Taylor		Email To:														 L.A.B. S.C.I.E.N.C.E.S. 12085 Lebanon Rd Houston, TX 77122 Phone: 815-758-5858 Phone: 800-767-5859 Fax: 815-758-1857	
Project Description: Excavation		City/State Collected: Len Co Nam														L# L1600945	
Client Project #: 2121-ND-01269		Lab Project #:														Table #:	
Collected by (print): Chad Smith		Site/Facility ID #: Battle Ave 27		P.O. #:												Acctnum: TETRAHTX	
Collected by (signature): Chad Smith		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote #:												Template:	
Immediately Packed on Ice N Y		Date Results Needed		No. of Entries												Prelogin:	
																TSR:	
																PB	
																Shipped Via:	
																Retention Sample (Lab only)	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time												
SSW-2	—	SS	—	6/16	14:10	1	X	X	X								-10
AH-4 (3-4)	—		—		15:00	1	X	X	X								12
AH-4 (4-5)	—		—		15:05	1	X	X									13
AH-4 (5-6)	—		—		15:10	1	X	X	X								14
WSW-4	—		—		16:00	1	X	X	X								15
ESW-4	—		—		16:05	1	X	X	X								16
ESW-4 (10')	—		—	6/17	8:45	1	X	F	F								17
WSW-3 (10' @)	—		—		9:00	1	X	X	X								18
AH-7 (0-1)	—		—		10:00	1	X	X	X								18
AH-7 (1-2)	—		—		10:05	1	X	X	X								19
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other		Remarks:		Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking #:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If applicable: VOA Zero Headpace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N		Trip Blank Received: Yes / No HCL / MeOH TBA					
Relinquished by: (Signature) Chad Smith		Date: 6/11		Time: 08:00		Received by: (Signature) Chad Smith		Temp: 19.9 °C		Bottles Received: 41		If preservation required by Logn: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold:					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) Adam		Date: 6/12/18		Time: 845		Condition: NCF / OK					

Released to Imaging: 2/24/2023 8:25:16 AM

Tetra Tech 4000 N Big Spring St. Ste. 401 Midland, TX 79705		Billing Information: Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 7 of 8  12044 Lebanon Rd Mount Juliet, TN 37122 Phone 615-758-5858 Phone 800-767-5858 Fax 615-758-5858																					
Report to: <u>Kayla Taylor</u>		Email To:												L# <u>L1000945</u>																					
Project Description: <u>Excavation</u>		City/State Collected: <u>Law Co NM</u>												Table #																					
Phone: Fax:		Client Project # <u>2122-MD-01269</u>		Lab Project #										Accnum: TETRAHTX																					
Collected by (print): <u>Clint Merritt</u>		Site/Facility ID # <u>000 Bath hro 27</u>		P.O. #										Tenplate:																					
Collected by (signature): 		Rush? (Lab MUST be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote #										Prelogm:																					
Immediately Packed on Ice N <u>Y</u>		Date Results Needed		No. of Cans										TSR:																					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	01	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
MSW-1		-	SS	-	6/8	8:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AH-1 (1-2)		-	-	-	-	10:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AH-1 (2-3)		-	-	-	-	10:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AH-1 (3-4)		-	-	-	-	10:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WSW-9		-	-	-	-	11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ESW-9		-	-	-	-	11:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SSW-9		-	-	-	-	11:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AH-9 (1-2)		-	-	11:15	6/8	11:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WSW-6		-	-	-	6/8	12:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ESW-6 (10)		-	-	-	6/8	12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other		Remarks:		pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: <u>Y</u> <u>N</u> COC Signed/Accurate: <u>Y</u> <u>N</u> Bottles arrive intact: <u>Y</u> <u>N</u> Correct bottles used: <u>Y</u> <u>N</u> Sufficient volume sent: <u>Y</u> <u>N</u> If Applicable VOA Zero Headspace: <u>Y</u> <u>N</u> Preservation Correct/Checked: <u>Y</u> <u>N</u>																					
Relinquished by: (Signature) 		Date: <u>6/11</u>	Time: <u>08:00</u>	Received by: (Signature) 										Trip Blank Received: Yes/No HCL/ MeOH TBR																					
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)										Temp: <u>16.9</u> °C Bottles Received: <u>41</u>																					
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 										Date: <u>6/12/18</u> Time: <u>0845</u>																					
Condition: <u>NCF / PR</u>		Hold:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	Condition:	

Tetra Tech 4000 N Big Spring St. Ste. 401 Midland, TX 79705		Billing Information		Piles Chk		Analysis / Container / Preservative										Chain of Custody Page 2  ESC LAB SCIENCES 12054 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859						
To: <i>Kayla Tucker</i> Email To:		Project Description: <i>Excavation</i>		City/State Collected: <i>Leon Co. NM</i>												# <i>L1660945</i> Table # Actnum: TETRAHTX Template: Prelogin: TSR: PB Shipped via:						
Phone: Fax:		Client Project #: <i>212C-MD-01264</i>		Lab Project #																		
Collected by (print): <i>Cliff Smith</i> Collected by (signature): <i>[Signature]</i> Immediately Packed on ice: <i>N</i> <input checked="" type="checkbox"/> <i>Y</i>		Site/Facility ID #: <i>Battle Ave 27</i> Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote # Date Results Needed																		
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No of Containers															
• <i>ESW-6</i>		<i>-</i>	<i>SS</i>	<i>-</i>	<i>6/6</i>	<i>13:35</i>	<i>1</i>	<i>Y</i>	<i>X</i>	<i>X</i>											<i>39</i>	
• <i>ESW-6 (10')</i>		<i>-</i>	<i>↓</i>	<i>-</i>	<i>↓</i>	<i>13:40</i>	<i>1</i>	<i>Y</i>	<i>X</i>	<i>X</i>											<i>40</i>	
• <i>AH-6 (3-4')</i>		<i>-</i>	<i>↓</i>	<i>-</i>	<i>↓</i>	<i>13:45</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>											<i>41</i>	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other		Remarks: Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact <input checked="" type="checkbox"/> <i>Y</i> <i>N</i> COC Signed/Accurate: <input checked="" type="checkbox"/> <i>Y</i> <i>N</i> Bottles arrive intact: <input checked="" type="checkbox"/> <i>Y</i> <i>N</i> Correct bottles used: <input checked="" type="checkbox"/> <i>Y</i> <i>N</i> Sufficient volume sent: <input checked="" type="checkbox"/> <i>Y</i> <i>N</i> If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> <i>Y</i> <i>N</i> Preservation Correct/Checked: <input checked="" type="checkbox"/> <i>Y</i> <i>N</i>						
Relinquished by (Signature): <i>[Signature]</i> Date: <i>6/11</i> Time: <i>15:00</i>		Relinquished by (Signature): <i>[Signature]</i> Date: Time:		Relinquished by (Signature): <i>[Signature]</i> Date: Time:		Trip Blank Received: Yes/No HCL / MeOH Temp: <i>16.93</i> °C Bottles Returned: <i>41</i> Date: <i>6/12/10</i> Time: <i>845</i>										If preservation required by Login: Date/Time Hold:						



ANALYTICAL REPORT

June 19, 2018

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1002307
Samples Received: 06/16/2018
Project Number: 212C-MD-01242
Description: Battle Axe 27 Fed COM 2H
Site: BATTLE AXE 27
Report To: Kayla Taylor
4001 N. Big Spring St., Ste. 401
Midland, TX 79705

Entire Report Reviewed By:

Chris McCord

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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NSW-8 L1002307-01 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 10:00

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 20:04	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/18/18 22:32	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 16:29	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 21:00	MTJ

¹ Cp² Tc³ Ss⁴ Cn

SSW-8 L1002307-02 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 10:05

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 20:13	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/18/18 22:54	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 16:48	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 20:18	MTJ

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-8 (3-4) L1002307-03 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 15:00

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 20:23	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126433	25	06/18/18 13:26	06/19/18 13:49	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 17:07	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126427	8	06/18/18 13:26	06/19/18 11:36	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	10	06/18/18 13:56	06/18/18 23:04	MTJ

⁹ Sc

AH-8 (4-5) L1002307-04 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 15:15

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 20:32	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126433	1	06/18/18 13:26	06/19/18 13:25	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 17:25	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126427	1	06/18/18 13:26	06/19/18 11:15	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 21:28	MTJ

AH-8 (5-6) L1002307-05 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 15:30

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 20:42	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/19/18 00:01	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 18:03	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 21:41	MTJ

WSW-7 L1002307-06 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 13:20

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 20:51	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/19/18 00:23	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 18:22	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 21:55	MTJ

¹ Cp² Tc³ Ss⁴ Cn

SSW-7 L1002307-07 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 13:25

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 21:20	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/19/18 00:46	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 18:40	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 22:09	MTJ

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-7 (3-4) L1002307-08 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 14:00

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 21:39	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/19/18 01:08	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126091	1	06/18/18 13:26	06/18/18 18:59	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 22:23	MTJ

⁹ Sc

AH-7 (4-5) L1002307-09 Solid

Collected by
Clint Merritt

Collected date/time
06/11/18 14:05

Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 21:48	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/19/18 01:30	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126086	1	06/18/18 13:26	06/18/18 18:21	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 22:37	MTJ

ESW-8 L1002307-10 Solid

Collected by
Clint Merritt

Collected date/time
06/12/18 13:00

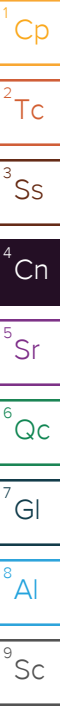
Received date/time
06/16/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1126213	1	06/18/18 14:26	06/18/18 14:37	KDW
Wet Chemistry by Method 9056A	WG1125817	1	06/18/18 11:31	06/18/18 21:58	DR
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1126284	1	06/18/18 13:26	06/19/18 01:52	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1126086	1	06/18/18 13:26	06/18/18 18:41	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1126173	1	06/18/18 13:56	06/18/18 22:50	MTJ

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Technical Service Representative



Collected date/time: 06/11/18 10:00

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.0		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	54.8		0.970	12.2	1	06/18/2018 20:04	WG1125817

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0265	0.122	1	06/18/2018 22:32	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	94.3			77.0-120		06/18/2018 22:32	WG1126284

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000488	0.00122	1	06/18/2018 16:29	WG1126091
Toluene	U		0.00153	0.00610	1	06/18/2018 16:29	WG1126091
Ethylbenzene	U		0.000647	0.00305	1	06/18/2018 16:29	WG1126091
Total Xylenes	U		0.00583	0.00793	1	06/18/2018 16:29	WG1126091
(S) Toluene-d8	108			80.0-120		06/18/2018 16:29	WG1126091
(S) Dibromofluoromethane	89.8			74.0-131		06/18/2018 16:29	WG1126091
(S) a,a,a-Trifluorotoluene	107			80.0-120		06/18/2018 16:29	WG1126091
(S) 4-Bromofluorobenzene	103			64.0-132		06/18/2018 16:29	WG1126091

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.96	4.88	1	06/18/2018 21:00	WG1126173
C28-C40 Oil Range	0.983	J	0.334	4.88	1	06/18/2018 21:00	WG1126173
(S) o-Terphenyl	41.0			18.0-148		06/18/2018 21:00	WG1126173

Collected date/time: 06/11/18 10:05

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	45.9		0.858	10.8	1	06/18/2018 20:13	WG1125817

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0234	0.108	1	06/18/2018 22:54	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	94.1			77.0-120		06/18/2018 22:54	WG1126284

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000432	0.00108	1	06/18/2018 16:48	WG1126091
Toluene	U		0.00135	0.00540	1	06/18/2018 16:48	WG1126091
Ethylbenzene	U		0.000572	0.00270	1	06/18/2018 16:48	WG1126091
Total Xylenes	U		0.00516	0.00701	1	06/18/2018 16:48	WG1126091
(S) Toluene-d8	105			80.0-120		06/18/2018 16:48	WG1126091
(S) Dibromofluoromethane	95.4			74.0-131		06/18/2018 16:48	WG1126091
(S) a,a,a-Trifluorotoluene	106			80.0-120		06/18/2018 16:48	WG1126091
(S) 4-Bromofluorobenzene	97.5			64.0-132		06/18/2018 16:48	WG1126091

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.74	4.32	1	06/18/2018 20:18	WG1126173
C28-C40 Oil Range	1.33	J	0.296	4.32	1	06/18/2018 20:18	WG1126173
(S) o-Terphenyl	73.7			18.0-148		06/18/2018 20:18	WG1126173

Collected date/time: 06/11/18 15:00

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	52.9		0.863	10.9	1	06/18/2018 20:23	WG1125817

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	253		0.589	2.72	25	06/19/2018 13:49	WG1126433
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		06/19/2018 13:49	WG1126433

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000434	0.00109	1	06/18/2018 17:07	WG1126091
Toluene	0.132		0.00136	0.00543	1	06/18/2018 17:07	WG1126091
Ethylbenzene	0.360		0.000576	0.00272	1	06/18/2018 17:07	WG1126091
Total Xylenes	9.30		0.0415	0.0565	8	06/19/2018 11:36	WG1126427
(S) Toluene-d8	124	J1		80.0-120		06/18/2018 17:07	WG1126091
(S) Toluene-d8	120			80.0-120		06/19/2018 11:36	WG1126427
(S) Dibromofluoromethane	92.2			74.0-131		06/18/2018 17:07	WG1126091
(S) Dibromofluoromethane	108			74.0-131		06/19/2018 11:36	WG1126427
(S) a,a,a-Trifluorotoluene	104			80.0-120		06/18/2018 17:07	WG1126091
(S) a,a,a-Trifluorotoluene	103			80.0-120		06/19/2018 11:36	WG1126427
(S) 4-Bromofluorobenzene	158	J1		64.0-132		06/18/2018 17:07	WG1126091
(S) 4-Bromofluorobenzene	102			64.0-132		06/19/2018 11:36	WG1126427

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	910		17.5	43.4	10	06/18/2018 23:04	WG1126173
C28-C40 Oil Range	187		2.98	43.4	10	06/18/2018 23:04	WG1126173
(S) o-Terphenyl	165	J1		18.0-148		06/18/2018 23:04	WG1126173

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	47.2		0.881	11.1	1	06/18/2018 20:32	WG1125817

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.588		0.0241	0.111	1	06/19/2018 13:25	WG1126433
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.3			77.0-120		06/19/2018 13:25	WG1126433

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000443	0.00111	1	06/18/2018 17:25	WG1126091
Toluene	U		0.00139	0.00554	1	06/18/2018 17:25	WG1126091
Ethylbenzene	0.000951	J	0.000587	0.00277	1	06/18/2018 17:25	WG1126091
Total Xylenes	U		0.00530	0.00720	1	06/19/2018 11:15	WG1126427
(S) Toluene-d8	108			80.0-120		06/18/2018 17:25	WG1126091
(S) Toluene-d8	117			80.0-120		06/19/2018 11:15	WG1126427
(S) Dibromofluoromethane	94.2			74.0-131		06/18/2018 17:25	WG1126091
(S) Dibromofluoromethane	112			74.0-131		06/19/2018 11:15	WG1126427
(S) <i>a,a,a</i> -Trifluorotoluene	105			80.0-120		06/18/2018 17:25	WG1126091
(S) <i>a,a,a</i> -Trifluorotoluene	100			80.0-120		06/19/2018 11:15	WG1126427
(S) 4-Bromofluorobenzene	102			64.0-132		06/18/2018 17:25	WG1126091
(S) 4-Bromofluorobenzene	100			64.0-132		06/19/2018 11:15	WG1126427

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	127		1.78	4.43	1	06/18/2018 21:28	WG1126173
C28-C40 Oil Range	32.6		0.304	4.43	1	06/18/2018 21:28	WG1126173
(S) <i>o</i> -Terphenyl	68.0			18.0-148		06/18/2018 21:28	WG1126173

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	53.5		0.882	11.1	1	06/18/2018 20:42	WG1125817

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.377		0.0241	0.111	1	06/19/2018 00:01	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	95.2			77.0-120		06/19/2018 00:01	WG1126284

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000444	0.00111	1	06/18/2018 18:03	WG1126091
Toluene	U		0.00139	0.00554	1	06/18/2018 18:03	WG1126091
Ethylbenzene	0.000703	J	0.000588	0.00277	1	06/18/2018 18:03	WG1126091
Total Xylenes	0.00890		0.00530	0.00721	1	06/18/2018 18:03	WG1126091
(S) Toluene-d8	107			80.0-120		06/18/2018 18:03	WG1126091
(S) Dibromofluoromethane	92.5			74.0-131		06/18/2018 18:03	WG1126091
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/18/2018 18:03	WG1126091
(S) 4-Bromofluorobenzene	103			64.0-132		06/18/2018 18:03	WG1126091

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	238		1.79	4.44	1	06/18/2018 21:41	WG1126173
C28-C40 Oil Range	53.1		0.304	4.44	1	06/18/2018 21:41	WG1126173
(S) o-Terphenyl	80.5			18.0-148		06/18/2018 21:41	WG1126173

Collected date/time: 06/11/18 13:20

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.8		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	63.9		0.847	10.7	1	06/18/2018 20:51	WG1125817

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0231	0.107	1	06/19/2018 00:23	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	94.4			77.0-120		06/19/2018 00:23	WG1126284

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000426	0.00107	1	06/18/2018 18:22	WG1126091
Toluene	U		0.00133	0.00533	1	06/18/2018 18:22	WG1126091
Ethylbenzene	0.000650	J	0.000565	0.00266	1	06/18/2018 18:22	WG1126091
Total Xylenes	U		0.00509	0.00693	1	06/18/2018 18:22	WG1126091
(S) Toluene-d8	108			80.0-120		06/18/2018 18:22	WG1126091
(S) Dibromofluoromethane	91.7			74.0-131		06/18/2018 18:22	WG1126091
(S) a,a,a-Trifluorotoluene	104			80.0-120		06/18/2018 18:22	WG1126091
(S) 4-Bromofluorobenzene	97.6			64.0-132		06/18/2018 18:22	WG1126091

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.72	4.26	1	06/18/2018 21:55	WG1126173
C28-C40 Oil Range	2.31	J	0.292	4.26	1	06/18/2018 21:55	WG1126173
(S) o-Terphenyl	68.9			18.0-148		06/18/2018 21:55	WG1126173

Collected date/time: 06/11/18 13:25

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	47.6		0.854	10.7	1	06/18/2018 21:20	WG1125817

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0233	0.107	1	06/19/2018 00:46	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120		06/19/2018 00:46	WG1126284

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000429	0.00107	1	06/18/2018 18:40	WG1126091
Toluene	0.00136	J	0.00134	0.00537	1	06/18/2018 18:40	WG1126091
Ethylbenzene	U		0.000569	0.00268	1	06/18/2018 18:40	WG1126091
Total Xylenes	U		0.00513	0.00698	1	06/18/2018 18:40	WG1126091
(S) Toluene-d8	109			80.0-120		06/18/2018 18:40	WG1126091
(S) Dibromofluoromethane	92.9			74.0-131		06/18/2018 18:40	WG1126091
(S) a,a,a-Trifluorotoluene	105			80.0-120		06/18/2018 18:40	WG1126091
(S) 4-Bromofluorobenzene	101			64.0-132		06/18/2018 18:40	WG1126091

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.73	4.29	1	06/18/2018 22:09	WG1126173
C28-C40 Oil Range	1.77	J	0.294	4.29	1	06/18/2018 22:09	WG1126173
(S) o-Terphenyl	71.5			18.0-148		06/18/2018 22:09	WG1126173

Collected date/time: 06/11/18 14:00

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	47.6		0.859	10.8	1	06/18/2018 21:39	WG1125817

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0235	0.108	1	06/19/2018 01:08	WG1126284
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	94.3			77.0-120		06/19/2018 01:08	WG1126284

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000432	0.00108	1	06/18/2018 18:59	WG1126091
Toluene	U		0.00135	0.00540	1	06/18/2018 18:59	WG1126091
Ethylbenzene	U		0.000573	0.00270	1	06/18/2018 18:59	WG1126091
Total Xylenes	U		0.00517	0.00703	1	06/18/2018 18:59	WG1126091
(S) Toluene-d8	107			80.0-120		06/18/2018 18:59	WG1126091
(S) Dibromofluoromethane	94.0			74.0-131		06/18/2018 18:59	WG1126091
(S) <i>a,a,a</i> -Trifluorotoluene	103			80.0-120		06/18/2018 18:59	WG1126091
(S) 4-Bromofluorobenzene	102			64.0-132		06/18/2018 18:59	WG1126091

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.74	4.32	1	06/18/2018 22:23	WG1126173
C28-C40 Oil Range	1.24	J	0.296	4.32	1	06/18/2018 22:23	WG1126173
(S) <i>o</i> -Terphenyl	65.0			18.0-148		06/18/2018 22:23	WG1126173

Collected date/time: 06/11/18 14:05

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.2		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	49.9		0.871	11.0	1	06/18/2018 21:48	WG1125817

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	06/19/2018 01:30	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	94.7			77.0-120		06/19/2018 01:30	WG1126284

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000438	0.00110	1	06/18/2018 18:21	WG1126086
Toluene	U		0.00137	0.00548	1	06/18/2018 18:21	WG1126086
Ethylbenzene	U		0.000581	0.00274	1	06/18/2018 18:21	WG1126086
Total Xylenes	U		0.00524	0.00713	1	06/18/2018 18:21	WG1126086
(S) Toluene-d8	125	J1		80.0-120		06/18/2018 18:21	WG1126086
(S) Dibromofluoromethane	90.8			74.0-131		06/18/2018 18:21	WG1126086
(S) a,a,a-Trifluorotoluene	99.5			80.0-120		06/18/2018 18:21	WG1126086
(S) 4-Bromofluorobenzene	104			64.0-132		06/18/2018 18:21	WG1126086

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.76	4.38	1	06/18/2018 22:37	WG1126173
C28-C40 Oil Range	1.55	J	0.300	4.38	1	06/18/2018 22:37	WG1126173
(S) o-Terphenyl	89.8			18.0-148		06/18/2018 22:37	WG1126173

Collected date/time: 06/12/18 13:00

L1002307

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	06/18/2018 14:37	WG1126213

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	59.5		0.835	10.5	1	06/18/2018 21:58	WG1125817

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	06/19/2018 01:52	WG1126284
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120		06/19/2018 01:52	WG1126284

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000420	0.00105	1	06/18/2018 18:41	WG1126086
Toluene	U		0.00131	0.00525	1	06/18/2018 18:41	WG1126086
Ethylbenzene	U		0.000557	0.00263	1	06/18/2018 18:41	WG1126086
Total Xylenes	U		0.00502	0.00683	1	06/18/2018 18:41	WG1126086
(S) Toluene-d8	119			80.0-120		06/18/2018 18:41	WG1126086
(S) Dibromofluoromethane	103			74.0-131		06/18/2018 18:41	WG1126086
(S) a,a,a-Trifluorotoluene	96.0			80.0-120		06/18/2018 18:41	WG1126086
(S) 4-Bromofluorobenzene	102			64.0-132		06/18/2018 18:41	WG1126086

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	82.8		1.69	4.20	1	06/18/2018 22:50	WG1126173
C28-C40 Oil Range	40.5		0.288	4.20	1	06/18/2018 22:50	WG1126173
(S) o-Terphenyl	65.0			18.0-148		06/18/2018 22:50	WG1126173

Total Solids by Method 2540 G-2011 [L1002307-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3318905-1 06/18/18 14:37

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

L1002307-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1002307-10 06/18/18 14:37 • (DUP) R3318905-3 06/18/18 14:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	95.2	95.2	1	0.0322		5

Laboratory Control Sample (LCS)

(LCS) R3318905-2 06/18/18 14:37

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

[L1002307-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3318866-1 06/18/18 17:22

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1002095-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1002095-02 06/18/18 19:35 • (DUP) R3318866-6 06/18/18 19:44

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	7140	6900	50	3.42		15

L1002307-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1002307-07 06/18/18 21:20 • (DUP) R3318866-7 06/18/18 21:29

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	47.6	45.6	1	4.27		15

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

(LCS) R3318866-2 06/18/18 17:31 • (LCSD) R3318866-3 06/18/18 17:41

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	197	201	98.4	101	80.0-120			2.32	15

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

[L1002307-01,02,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3318913-4 06/18/18 18:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	98.0			77.0-120

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

(LCS) R3318913-2 06/18/18 17:42 • (LCSD) R3318913-3 06/18/18 18:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.81	6.07	106	110	70.0-136			4.34	20
(S) a,a,a-Trifluorotoluene(FID)				102	103	77.0-120				

L1002340-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1002340-04 06/19/18 03:22 • (MS) R3318913-5 06/19/18 03:44 • (MSD) R3318913-6 06/19/18 04:07

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	45.8	95.1	97.5	35.9	37.7	25	10.0-147			2.49	30
(S) a,a,a-Trifluorotoluene(FID)					101	101		77.0-120				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

[L1002307-03.04](#)

Method Blank (MB)

(MB) R3319118-3 06/19/18 11:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

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

(LCS) R3319118-1 06/19/18 09:56 • (LCSD) R3319118-2 06/19/18 10:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.83	4.46	87.8	81.2	70.0-136			7.85	20
(S) a,a,a-Trifluorotoluene(FID)				107	106	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1002307-09,10

Method Blank (MB)

(MB) R3318926-3 06/18/18 13:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	112			80.0-120
(S) Dibromofluoromethane	91.9			74.0-131
(S) a,a,a-Trifluorotoluene	99.7			80.0-120
(S) 4-Bromofluorobenzene	112			64.0-132

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

(LCS) R3318926-1 06/18/18 12:34 • (LCSD) R3318926-2 06/18/18 12:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.122	0.121	97.7	96.8	71.0-124			0.910	20
Ethylbenzene	0.125	0.112	0.112	89.3	89.2	77.0-120			0.0511	20
Toluene	0.125	0.121	0.120	96.5	96.4	70.0-120			0.134	20
Xylenes, Total	0.375	0.359	0.351	95.7	93.6	77.0-120			2.25	20
(S) Toluene-d8				109	107	80.0-120				
(S) Dibromofluoromethane				107	107	74.0-131				
(S) a,a,a-Trifluorotoluene				104	102	80.0-120				
(S) 4-Bromofluorobenzene				109	105	64.0-132				

L1002065-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1002065-01 06/18/18 17:39 • (MS) R3318926-4 06/18/18 21:26 • (MSD) R3318926-5 06/18/18 21:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	ND	1.78	0.920	56.8	29.5	25	13.0-146		J3	63.4	27
Ethylbenzene	0.125	ND	2.11	1.13	66.5	35.2	25	10.0-147		J3	60.6	31
Toluene	0.125	ND	1.98	1.01	61.9	30.8	25	10.0-144		J3	64.9	28
Xylenes, Total	0.375	ND	6.69	3.59	71.4	38.3	25	10.0-150		J3	60.3	31
(S) Toluene-d8					109	109		80.0-120				
(S) Dibromofluoromethane					102	108		74.0-131				
(S) a,a,a-Trifluorotoluene					104	102		80.0-120				
(S) 4-Bromofluorobenzene					102	106		64.0-132				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1002307-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R3318906-3 06/18/18 10:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	106			80.0-120
(S) Dibromofluoromethane	96.2			74.0-131
(S) a,a,a-Trifluorotoluene	103			80.0-120
(S) 4-Bromofluorobenzene	103			64.0-132

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

(LCS) R3318906-1 06/18/18 09:16 • (LCSD) R3318906-2 06/18/18 09:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.108	0.112	86.3	89.8	71.0-124			3.94	20
Ethylbenzene	0.125	0.112	0.119	89.8	94.9	77.0-120			5.59	20
Toluene	0.125	0.117	0.117	93.3	93.6	70.0-120			0.330	20
Xylenes, Total	0.375	0.366	0.361	97.6	96.3	77.0-120			1.38	20
(S) Toluene-d8				106	105	80.0-120				
(S) Dibromofluoromethane				96.3	99.4	74.0-131				
(S) a,a,a-Trifluorotoluene				108	108	80.0-120				
(S) 4-Bromofluorobenzene				104	107	64.0-132				

L1002165-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1002165-04 06/18/18 14:55 • (MS) R3318906-4 06/18/18 15:14 • (MSD) R3318906-5 06/18/18 15:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.00288	0.0819	0.0490	63.2	36.9	1	13.0-146		J3	50.3	27
Ethylbenzene	0.125	0.0317	0.250	0.204	174	138	1	10.0-147	J5		20.2	31
Toluene	0.125	0.0176	0.160	0.125	114	85.9	1	10.0-144			24.7	28
Xylenes, Total	0.375	0.178	1.21	1.06	276	236	1	10.0-150	J5	J5	13.2	31
(S) Toluene-d8					96.5	95.0		80.0-120				
(S) Dibromofluoromethane					96.4	95.0		74.0-131				
(S) a,a,a-Trifluorotoluene					104	105		80.0-120				
(S) 4-Bromofluorobenzene					97.6	98.7		64.0-132				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC/MS) by Method 8260B [L1002307-03,04](#)

Method Blank (MB)

(MB) R3318993-3 06/19/18 09:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	113			80.0-120
(S) Dibromofluoromethane	98.5			74.0-131
(S) a,a,a-Trifluorotoluene	103			80.0-120
(S) 4-Bromofluorobenzene	105			64.0-132

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

(LCS) R3318993-1 06/19/18 08:51 • (LCSD) R3318993-2 06/19/18 09:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Xylenes, Total	0.375	0.334	0.325	89.1	86.7	77.0-120			2.73	20
(S) Toluene-d8				105	104	80.0-120				
(S) Dibromofluoromethane				102	95.5	74.0-131				
(S) a,a,a-Trifluorotoluene				102	102	80.0-120				
(S) 4-Bromofluorobenzene				109	101	64.0-132				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1002307-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3318846-1 06/18/18 19:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	66.0			18.0-148

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

(LCS) R3318846-2 06/18/18 19:53 • (LCSD) R3318846-3 06/18/18 20:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	30.7	31.9	61.3	63.8	50.0-150			4.03	20
(S) o-Terphenyl				85.5	79.5	18.0-148				

L1002307-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1002307-02 06/18/18 20:18 • (MS) R3318846-4 06/18/18 20:32 • (MSD) R3318846-5 06/18/18 20:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.0	U	30.3	31.1	56.2	57.6	1	50.0-150			2.42	20
(S) o-Terphenyl					75.5	103		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

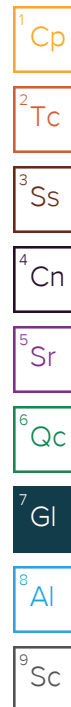
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

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

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
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 value is high.



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* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

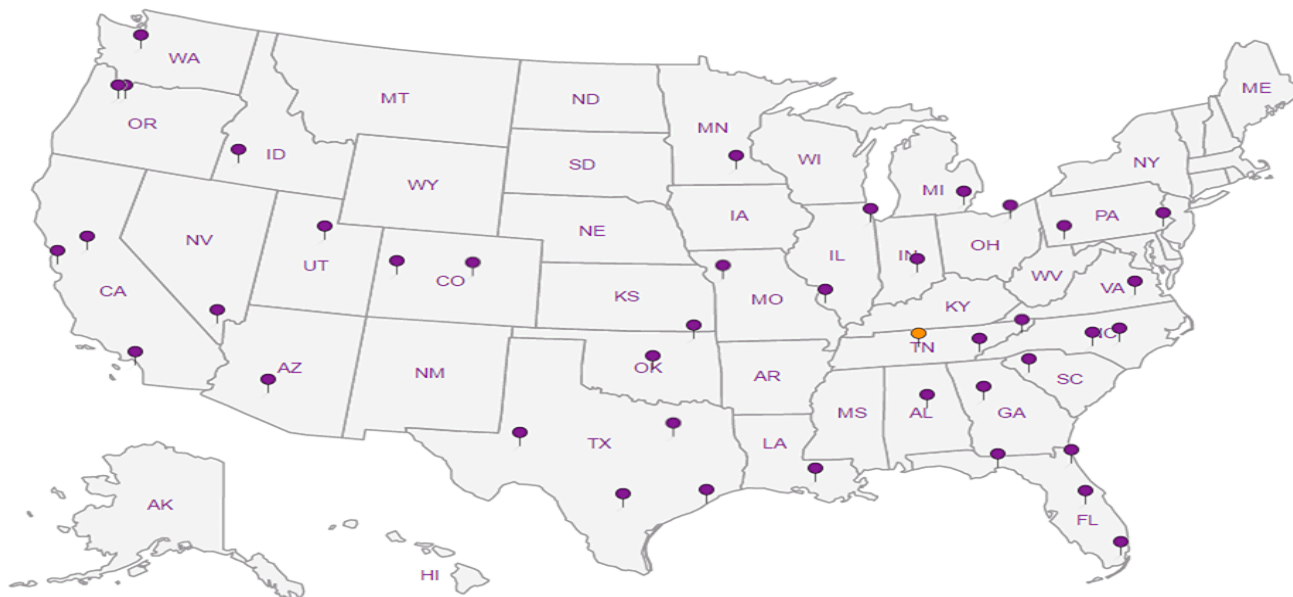
Third Party Federal Accreditations


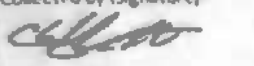
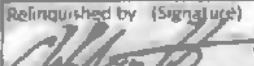

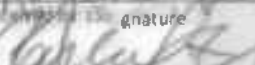
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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

Our Locations

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



Tetra Tech 4000 N Big Spring St. Ste. 401 Midland, TX 79705		Billing Information P. Chk		Analysis / Container Preservation										Chain of Custody Page 1 of 2	
Report to Kayla Taylor		Email To Kayla.Larsen@tetra-tech.com												 12045 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description Bottle Ave 27 Fuel Cont ZH		City/State Collected Leam Co NM												L# C003	
Phone Fax		Client Project # 212K-MD-01242		Lab Project										Accredited: TETRA TECH Template: COP TETRA Prelogin:	
Collected by (print): Cliff Marshall		Site/Facility ID #		P.O. #										PB	
Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote#										Date Results	
Immediately Packed on Ice N <input type="checkbox"/> Y <input type="checkbox"/>				Date Results										of	
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		of		C1 TPH BTEX	
MSW-8		-		SS		-		6/11		10:00		1		X X X	
SSW-8		-		-		-		10:05		1		X X X		-01	
AH-8 (3-4)		-		-		-		10:10		1		X X X		-02	
AH-8 (4-5)		-		-		-		10:15		1		X X X		-03	
AH-8 (5-6)		-		-		-		10:30		1		X X X		-04	
WSW-7		-		-		-		12:20		1		X X X		-05	
SSW-7		-		-		-		12:25		1		X X X		-06	
AH-8 (3-4)		-		-		-		14:00		1		X X X		-07	
AH-7 (4-5)		-		-		-		14:05		1		X X X		-08	
AH-7 (5-6)		-		-		-		14:10		1		X X X		-09	
AH-7 (5-6)		-		-		-		14:15		1		X X X		-10	
Remarks:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N											
Relinquished by (Signature) 		Date 6-15-18		Time 01:00		by (Signature) 		Trip Blank Received: Yes/No <input checked="" type="checkbox"/> HCL / MeOH <input type="checkbox"/> TBA		Temp °C 5.7		Bottles Received 10-402		If preservation required by Login: Da /Time	
Relinquished by (Signature) Kayla Taylor		Date 6-15-18		Time 11:30		by (Signature) 		Date 6/16/18		Time 0845		Hold		Condition NCF / OK	

Released to Imaging: 2/24/2023 8:25:16 AM



ANALYTICAL REPORT

July 31, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1011411
Samples Received: 07/21/2018
Project Number: 212C-MD-01269
Description: Battle Axe 27 Fed Com 2H
Site: BATTLE AXE 27
Report To: Kayla Taylor
4001 N. Big Spring St., Ste. 401
Midland, TX 79705

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
ESW-5 (3') L1011411-01	5	
ESW-4 (3') L1011411-02	6	⁴ Cn
ESW-3 (3') L1011411-03	7	⁵ Sr
Qc: Quality Control Summary	8	
Total Solids by Method 2540 G-2011	8	⁶ Qc
Wet Chemistry by Method 9056A	9	
Volatile Organic Compounds (GC) by Method 8015D/GRO	12	⁷ Gl
Volatile Organic Compounds (GC/MS) by Method 8260B	13	
Semi-Volatile Organic Compounds (GC) by Method 8015	14	⁸ Al
Gl: Glossary of Terms	15	⁹ Sc
Al: Accreditations & Locations	16	
Sc: Sample Chain of Custody	17	

ESW-5 (3') L1011411-01 Solid

Collected by
Clint Merritt

Collected date/time
07/11/18 08:45

Received date/time
07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1142918	1	07/25/18 14:06	07/25/18 14:17	KDW
Wet Chemistry by Method 9056A	WG1142820	1	07/26/18 01:06	07/26/18 18:37	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1142593	1	07/24/18 14:54	07/25/18 17:02	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1142614	1	07/24/18 14:54	07/25/18 06:03	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1142694	1	07/24/18 22:28	07/25/18 11:01	MG

¹ Cp² Tc³ Ss⁴ Cn

ESW-4 (3') L1011411-02 Solid

Collected by
Clint Merritt

Collected date/time
07/11/18 11:00

Received date/time
07/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1142918	1	07/25/18 14:06	07/25/18 14:17	KDW
Wet Chemistry by Method 9056A	WG1141447	1	07/21/18 20:11	07/23/18 19:16	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1142593	1	07/24/18 14:54	07/25/18 17:23	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1142614	1	07/24/18 14:54	07/25/18 06:23	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1142694	1	07/24/18 22:28	07/25/18 11:14	MG

⁵ Sr⁶ Qc⁷ Gl⁸ Al

ESW-3 (3') L1011411-03 Solid

Collected by
Clint Merritt

Collected date/time
07/11/18 11:30

Received date/time
07/21/18 08:45

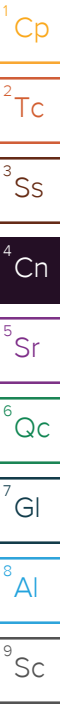
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1142918	1	07/25/18 14:06	07/25/18 14:17	KDW
Wet Chemistry by Method 9056A	WG1144212	1	07/28/18 11:05	07/29/18 18:39	MCG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1142593	1	07/24/18 14:54	07/25/18 17:44	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1142614	1	07/24/18 14:54	07/25/18 06:44	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1142694	1	07/24/18 22:28	07/25/18 11:28	MG

⁹ Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	07/25/2018 14:17	WG1142918

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	115		0.838	10.5	1	07/26/2018 18:37	WG1142820

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0285	<u>J</u>	0.0229	0.105	1	07/25/2018 17:02	WG1142593
(S) a,a,a-Trifluorotoluene(FID)	91.1			77.0-120		07/25/2018 17:02	WG1142593

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000422	0.00105	1	07/25/2018 06:03	WG1142614
Toluene	U		0.00132	0.00527	1	07/25/2018 06:03	WG1142614
Ethylbenzene	U		0.000559	0.00264	1	07/25/2018 06:03	WG1142614
Total Xylenes	U		0.00504	0.00685	1	07/25/2018 06:03	WG1142614
(S) Toluene-d8	119			80.0-120		07/25/2018 06:03	WG1142614
(S) Dibromofluoromethane	105			74.0-131		07/25/2018 06:03	WG1142614
(S) a,a,a-Trifluorotoluene	97.8			80.0-120		07/25/2018 06:03	WG1142614
(S) 4-Bromofluorobenzene	102			64.0-132		07/25/2018 06:03	WG1142614

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.70	4.22	1	07/25/2018 11:01	WG1142694
C28-C40 Oil Range	0.703	<u>J</u>	0.289	4.22	1	07/25/2018 11:01	WG1142694
(S) o-Terphenyl	65.9			18.0-148		07/25/2018 11:01	WG1142694

Collected date/time: 07/11/18 11:00

L1011411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.2		1	07/25/2018 14:17	WG1142918

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	47.3		0.853	10.7	1	07/23/2018 19:16	WG1141447

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

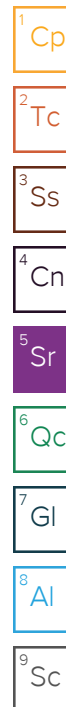
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0272	J	0.0233	0.107	1	07/25/2018 17:23	WG1142593
(S) a,a,a-Trifluorotoluene(FID)	90.8			77.0-120		07/25/2018 17:23	WG1142593

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000429	0.00107	1	07/25/2018 06:23	WG1142614
Toluene	U		0.00134	0.00537	1	07/25/2018 06:23	WG1142614
Ethylbenzene	U		0.000569	0.00268	1	07/25/2018 06:23	WG1142614
Total Xylenes	U		0.00513	0.00698	1	07/25/2018 06:23	WG1142614
(S) Toluene-d8	115			80.0-120		07/25/2018 06:23	WG1142614
(S) Dibromofluoromethane	108			74.0-131		07/25/2018 06:23	WG1142614
(S) a,a,a-Trifluorotoluene	99.0			80.0-120		07/25/2018 06:23	WG1142614
(S) 4-Bromofluorobenzene	106			64.0-132		07/25/2018 06:23	WG1142614

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.73	4.29	1	07/25/2018 11:14	WG1142694
C28-C40 Oil Range	U		0.294	4.29	1	07/25/2018 11:14	WG1142694
(S) o-Terphenyl	68.1			18.0-148		07/25/2018 11:14	WG1142694



Collected date/time: 07/11/18 11:30

L1011411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.4		1	07/25/2018 14:17	WG1142918

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	65.8		0.808	10.2	1	07/29/2018 18:39	WG1144212

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0221	0.102	1	07/25/2018 17:44	WG1142593
(S) a,a,a-Trifluorotoluene(FID)	90.2			77.0-120		07/25/2018 17:44	WG1142593

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000407	0.00102	1	07/25/2018 06:44	WG1142614
Toluene	U		0.00127	0.00508	1	07/25/2018 06:44	WG1142614
Ethylbenzene	U		0.000539	0.00254	1	07/25/2018 06:44	WG1142614
Total Xylenes	U		0.00486	0.00661	1	07/25/2018 06:44	WG1142614
(S) Toluene-d8	116			80.0-120		07/25/2018 06:44	WG1142614
(S) Dibromofluoromethane	106			74.0-131		07/25/2018 06:44	WG1142614
(S) a,a,a-Trifluorotoluene	99.5			80.0-120		07/25/2018 06:44	WG1142614
(S) 4-Bromofluorobenzene	103			64.0-132		07/25/2018 06:44	WG1142614

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.64	4.07	1	07/25/2018 11:28	WG1142694
C28-C40 Oil Range	4.21		0.279	4.07	1	07/25/2018 11:28	WG1142694
(S) o-Terphenyl	64.6			18.0-148		07/25/2018 11:28	WG1142694

Total Solids by Method 2540 G-2011 [L1011411-01,02,03](#)

Method Blank (MB)

(MB) R3328602-1 07/25/18 14:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Solids	0.00300			

L1011534-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1011534-02 07/25/18 14:17 • (DUP) R3328602-3 07/25/18 14:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	83.3	83.9	1	0.704		10

Laboratory Control Sample (LCS)

(LCS) R3328602-2 07/25/18 14:17

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

[L1011411-02](#)

Method Blank (MB)

(MB) R3327852-1 07/23/18 18:41

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1011411-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1011411-02 07/23/18 19:16 • (DUP) R3327852-4 07/23/18 19:24

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	47.3	47.9	1	1.25		15

L1011415-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1011415-19 07/23/18 23:12 • (DUP) R3327852-7 07/23/18 23:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	680	643	1	5.59		15

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

(LCS) R3327852-2 07/23/18 18:49 • (LCSD) R3327852-3 07/23/18 18:58

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	195	194	97.5	96.8	80.0-120			0.722	15

Wet Chemistry by Method 9056A

[L1011411-01](#)

Method Blank (MB)

(MB) R3328874-2 07/26/18 16:19

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	2.09	⬇	0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1011670-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1011670-01 07/26/18 19:30 • (DUP) R3328874-7 07/26/18 19:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	20100	23000	100	13.2		15

L1011910-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1011910-04 07/26/18 21:06 • (DUP) R3328874-8 07/26/18 21:15

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	4020	3940	5	2.00		15

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

(LCS) R3328874-3 07/26/18 16:28 • (LCSD) R3328874-4 07/26/18 16:37

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	205	204	103	102	80.0-120			0.480	15

Wet Chemistry by Method 9056A

[L1011411-03](#)

Method Blank (MB)

(MB) R3329594-1 07/29/18 17:44

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.87	J	0.795	10.0

L1013032-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1013032-03 07/29/18 20:59 • (DUP) R3329594-7 07/29/18 21:08

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	2750	2760	5	0.398		15

L1012049-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1012049-02 07/30/18 15:11 • (DUP) R3329594-8 07/30/18 15:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	1540	1630	5	5.84		15

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

(LCS) R3329594-2 07/29/18 17:53 • (LCSD) R3329594-3 07/29/18 18:02

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	207	204	103	102	80.0-120			1.48	15

L1012049-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1012049-03 07/29/18 19:14 • (MS) R3329594-5 07/29/18 19:22 • (MSD) R3329594-6 07/29/18 19:31

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	1480	2110	2100	125	124	1	80.0-120	E J5	E J5	0.371	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1011411-01,02,03

Method Blank (MB)

(MB) R3328590-3 07/24/18 23:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	91.8			77.0-120

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

(LCS) R3328590-1 07/24/18 22:31 • (LCSD) R3328590-2 07/24/18 22:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.95	5.11	90.0	92.9	70.0-136			3.18	20
(S) a,a,a-Trifluorotoluene(FID)				103	105	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1011411-01.02.03

Method Blank (MB)

(MB) R3328332-3 07/24/18 23:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	108			80.0-120
(S) Dibromofluoromethane	120			74.0-131
(S) a,a,a-Trifluorotoluene	107			80.0-120
(S) 4-Bromofluorobenzene	108			64.0-132

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3328332-1 07/24/18 22:46 • (LCSD) R3328332-2 07/24/18 23:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.134	0.130	107	104	71.0-124			3.49	20
Ethylbenzene	0.125	0.121	0.123	96.6	98.6	77.0-120			2.04	20
Toluene	0.125	0.116	0.117	93.0	93.4	70.0-120			0.493	20
Xylenes, Total	0.375	0.382	0.385	102	103	77.0-120			0.782	20
(S) Toluene-d8				104	106	80.0-120				
(S) Dibromofluoromethane				116	124	74.0-131				
(S) a,a,a-Trifluorotoluene				105	105	80.0-120				
(S) 4-Bromofluorobenzene				109	103	64.0-132				

L101167-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L101167-12 07/25/18 03:58 • (MS) R3328332-4 07/25/18 09:58 • (MSD) R3328332-5 07/25/18 10:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	ND	0.120	0.0817	95.6	65.4	1	13.0-146		J3	37.6	27
Ethylbenzene	0.125	ND	0.129	0.0799	103	63.9	1	10.0-147		J3	47.3	31
Toluene	0.125	ND	0.121	0.0791	95.4	61.7	1	10.0-144		J3	42.0	28
Xylenes, Total	0.375	ND	0.412	0.258	110	68.8	1	10.0-150		J3	45.9	31
(S) Toluene-d8					112	109		80.0-120				
(S) Dibromofluoromethane					113	110		74.0-131				
(S) a,a,a-Trifluorotoluene					100	99.0		80.0-120				
(S) 4-Bromofluorobenzene					108	110		64.0-132				

Semi-Volatile Organic Compounds (GC) by Method 8015

L1011411-01,02,03

Method Blank (MB)

(MB) R3328500-1 07/25/18 10:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	64.6			18.0-148

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

(LCS) R3328500-2 07/25/18 10:34 • (LCSD) R3328500-3 07/25/18 10:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	30.5	31.6	61.0	63.3	50.0-150			3.69	20
(S) o-Terphenyl				91.8	95.4	18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

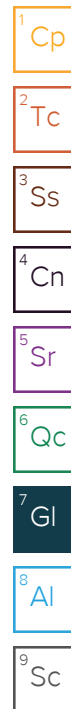
Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
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 value is high.



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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

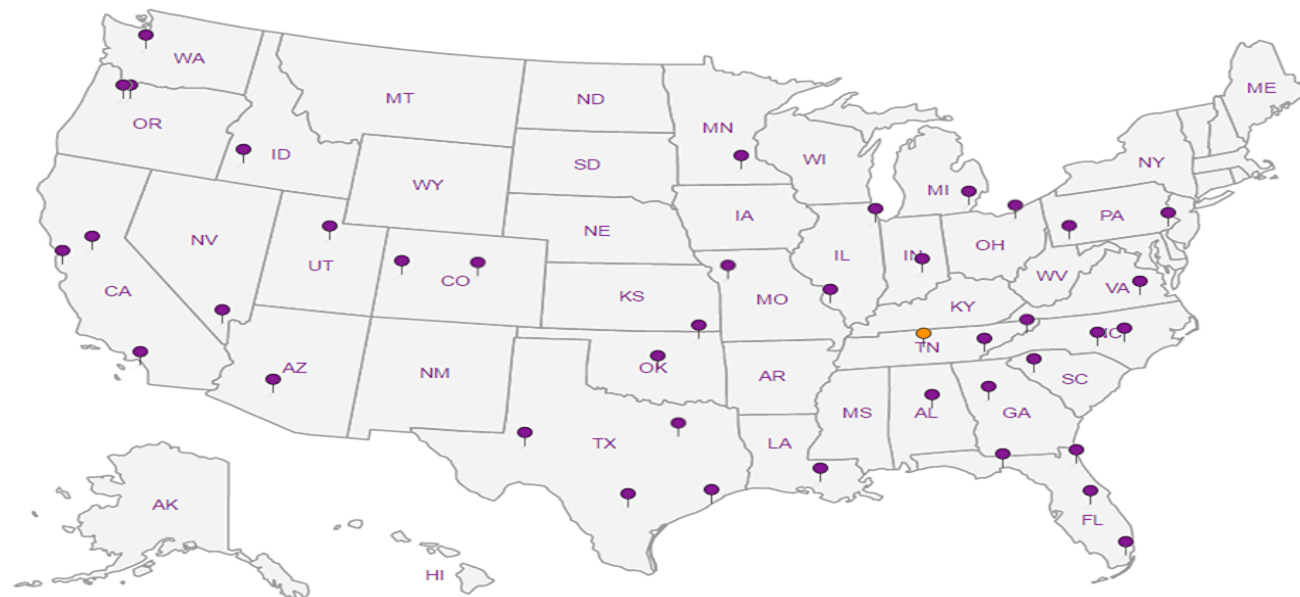
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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

Our Locations

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



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ANALYTICAL REPORT

August 16, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1015723
Samples Received: 08/08/2018
Project Number: 212C-MD-01269
Description: Battle Axe 27 Fed Com 2H
Site: BATTLE AXE 27
Report To: Kayla Taylor
4001 N. Big Spring St., Ste. 401
Midland, TX 79705

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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

NSW-2(5') L1015723-01 Solid

Collected by
Clint Merritt

Collected date/time
08/01/18 12:30

Received date/time
08/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1151564	1	08/13/18 15:46	08/13/18 15:54	KDW
Wet Chemistry by Method 9056A	WG1149835	1	08/09/18 13:49	08/09/18 20:49	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1150394	1	08/09/18 11:27	08/11/18 02:26	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150819	1	08/09/18 11:27	08/11/18 08:45	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1150127	1	08/09/18 17:57	08/10/18 03:50	DMW

¹ Cp² Tc³ Ss⁴ Cn

ESW-10 L1015723-02 Solid

Collected by
Clint Merritt

Collected date/time
08/01/18 09:30

Received date/time
08/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1151564	1	08/13/18 15:46	08/13/18 15:54	KDW
Wet Chemistry by Method 9056A	WG1149835	1	08/09/18 13:49	08/09/18 20:58	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1150394	1	08/09/18 11:27	08/11/18 02:50	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150819	1	08/09/18 11:27	08/11/18 09:04	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1150127	1	08/09/18 17:57	08/10/18 04:02	DMW

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH-2(8'-9') L1015723-03 Solid

Collected by
Clint Merritt

Collected date/time
08/01/18 12:00

Received date/time
08/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1151564	1	08/13/18 15:46	08/13/18 15:54	KDW
Wet Chemistry by Method 9056A	WG1149835	1	08/09/18 13:49	08/09/18 21:07	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1150394	1	08/09/18 11:27	08/11/18 03:14	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1150819	1	08/09/18 11:27	08/11/18 09:23	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1150127	1	08/09/18 17:57	08/10/18 04:14	DMW

⁹ Sc

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



Chris McCord
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	08/13/2018 15:54	WG1151564

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	56.4		0.938	11.8	1	08/09/2018 20:49	WG1149835

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0256	0.118	1	08/11/2018 02:26	WG1150394
(S) a,a,a-Trifluorotoluene(FID)	99.4			77.0-120		08/11/2018 02:26	WG1150394

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000472	0.00118	1	08/11/2018 08:45	WG1150819
Toluene	U		0.00148	0.00590	1	08/11/2018 08:45	WG1150819
Ethylbenzene	U		0.000626	0.00295	1	08/11/2018 08:45	WG1150819
Total Xylenes	U		0.00564	0.00767	1	08/11/2018 08:45	WG1150819
(S) Toluene-d8	120			80.0-120		08/11/2018 08:45	WG1150819
(S) Dibromofluoromethane	79.2			74.0-131		08/11/2018 08:45	WG1150819
(S) a,a,a-Trifluorotoluene	96.1			80.0-120		08/11/2018 08:45	WG1150819
(S) 4-Bromofluorobenzene	97.9			64.0-132		08/11/2018 08:45	WG1150819

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.90	4.72	1	08/10/2018 03:50	WG1150127
C28-C40 Oil Range	U		0.323	4.72	1	08/10/2018 03:50	WG1150127
(S) o-Terphenyl	56.5			18.0-148		08/10/2018 03:50	WG1150127

Collected date/time: 08/01/18 09:30

L1015723

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.0		1	08/13/2018 15:54	WG1151564

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	59.9		0.914	11.5	1	08/09/2018 20:58	WG1149835

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0249	0.115	1	08/11/2018 02:50	WG1150394
(S) a,a,a-Trifluorotoluene(FID)	99.1			77.0-120		08/11/2018 02:50	WG1150394

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000460	0.00115	1	08/11/2018 09:04	WG1150819
Toluene	U		0.00144	0.00575	1	08/11/2018 09:04	WG1150819
Ethylbenzene	U		0.000609	0.00287	1	08/11/2018 09:04	WG1150819
Total Xylenes	U		0.00549	0.00747	1	08/11/2018 09:04	WG1150819
(S) Toluene-d8	120			80.0-120		08/11/2018 09:04	WG1150819
(S) Dibromofluoromethane	81.3			74.0-131		08/11/2018 09:04	WG1150819
(S) a,a,a-Trifluorotoluene	100			80.0-120		08/11/2018 09:04	WG1150819
(S) 4-Bromofluorobenzene	101			64.0-132		08/11/2018 09:04	WG1150819

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.85	4.60	1	08/10/2018 04:02	WG1150127
C28-C40 Oil Range	1.64	B J	0.315	4.60	1	08/10/2018 04:02	WG1150127
(S) o-Terphenyl	55.7			18.0-148		08/10/2018 04:02	WG1150127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	08/13/2018 15:54	WG1151564

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	77.3		0.952	12.0	1	08/09/2018 21:07	WG1149835

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	2.85		0.0260	0.120	1	08/11/2018 03:14	WG1150394
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.6			77.0-120		08/11/2018 03:14	WG1150394

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000479	0.00120	1	08/11/2018 09:23	WG1150819
Toluene	U		0.00150	0.00598	1	08/11/2018 09:23	WG1150819
Ethylbenzene	U		0.000634	0.00299	1	08/11/2018 09:23	WG1150819
Total Xylenes	0.0859		0.00572	0.00778	1	08/11/2018 09:23	WG1150819
(S) <i>Toluene-d8</i>	118			80.0-120		08/11/2018 09:23	WG1150819
(S) <i>Dibromofluoromethane</i>	78.3			74.0-131		08/11/2018 09:23	WG1150819
(S) <i>a,a,a</i> -Trifluorotoluene	97.3			80.0-120		08/11/2018 09:23	WG1150819
(S) <i>4</i> -Bromofluorobenzene	103			64.0-132		08/11/2018 09:23	WG1150819

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	21.4		1.93	4.79	1	08/10/2018 04:14	WG1150127
C28-C40 Oil Range	7.85		0.328	4.79	1	08/10/2018 04:14	WG1150127
(S) <i>o</i> -Terphenyl	46.4			18.0-148		08/10/2018 04:14	WG1150127

Total Solids by Method 2540 G-2011

[L1015723-01,02,03](#)

Method Blank (MB)

(MB) R3333327-1 08/13/18 15:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Solids	0.00200			

L1015731-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1015731-01 08/13/18 15:54 • (DUP) R3333327-3 08/13/18 15:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	81.4	81.4	1	0.00872		10

Laboratory Control Sample (LCS)

(LCS) R3333327-2 08/13/18 15:54

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

[L1015723-01,02,03](#)

Method Blank (MB)

(MB) R3332542-1 08/09/18 18:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.98	J	0.795	10.0

L1015709-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1015709-01 08/09/18 20:14 • (DUP) R3332542-6 08/09/18 20:40

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	100	124	1	21.4	J3	15

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

(LCS) R3332542-2 08/09/18 18:55 • (LCSD) R3332542-3 08/09/18 19:04

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	206	203	103	102	80.0-120			1.19	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3332915-3 08/10/18 22:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120

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

(LCS) R3332915-1 08/10/18 20:51 • (LCSD) R3332915-2 08/10/18 21:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.87	5.87	107	107	70.0-136			0.0393	20
(S) a,a,a-Trifluorotoluene(FID)				106	106	77.0-120				

L1015807-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1015807-08 08/11/18 06:27 • (MS) R3332915-4 08/11/18 07:39 • (MSD) R3332915-5 08/11/18 08:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	3.47	3.80	62.7	68.5	1	10.0-147			8.90	30
(S) a,a,a-Trifluorotoluene(FID)					101	102		77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

L1015723-01,02,03

Method Blank (MB)

(MB) R3333166-3 08/11/18 08:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	116			80.0-120
(S) Dibromofluoromethane	79.4			74.0-131
(S) a,a,a-Trifluorotoluene	96.4			80.0-120
(S) 4-Bromofluorobenzene	99.3			64.0-132

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

(LCS) R3333166-1 08/11/18 07:10 • (LCSD) R3333166-2 08/11/18 07:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.107	0.105	85.4	83.9	71.0-124			1.76	20
Ethylbenzene	0.125	0.127	0.127	102	101	77.0-120			0.555	20
Toluene	0.125	0.123	0.126	98.7	101	70.0-120			2.31	20
Xylenes, Total	0.375	0.380	0.385	101	103	77.0-120			1.31	20
(S) Toluene-d8				110	113	80.0-120				
(S) Dibromofluoromethane				88.8	90.5	74.0-131				
(S) a,a,a-Trifluorotoluene				99.3	96.5	80.0-120				
(S) 4-Bromofluorobenzene				101	105	64.0-132				

L1015723-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1015723-03 08/11/18 09:23 • (MS) R3333166-4 08/11/18 15:03 • (MSD) R3333166-5 08/11/18 15:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.150	U	0.132	0.147	88.3	98.1	1	13.0-146			10.6	27
Ethylbenzene	0.150	U	0.163	0.178	109	119	1	10.0-147			8.92	31
Toluene	0.150	U	0.162	0.169	109	113	1	10.0-144			3.97	28
Xylenes, Total	0.449	0.0859	0.584	0.615	111	118	1	10.0-150			5.19	31
(S) Toluene-d8					116	111		80.0-120				
(S) Dibromofluoromethane					81.7	86.1		74.0-131				
(S) a,a,a-Trifluorotoluene					97.1	95.6		80.0-120				
(S) 4-Bromofluorobenzene					116	104		64.0-132				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1015723-01,02,03](#)

Method Blank (MB)

(MB) R3332561-1 08/10/18 00:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	0.360	J	0.274	4.00
(S) o-Terphenyl	80.2			18.0-148

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

(LCS) R3332561-2 08/10/18 01:03 • (LCSD) R3332561-3 08/10/18 01:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	26.9	25.9	53.9	51.9	50.0-150			3.73	20
(S) o-Terphenyl				83.5	84.2	18.0-148				

L1015689-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1015689-09 08/10/18 01:27 • (MS) R3332561-4 08/10/18 01:39 • (MSD) R3332561-5 08/10/18 01:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	ND	24.1	23.1	48.3	46.1	1	50.0-150	J6	J6	4.55	20
(S) o-Terphenyl					73.7	66.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

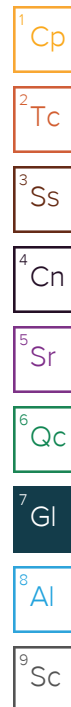
Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

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



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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

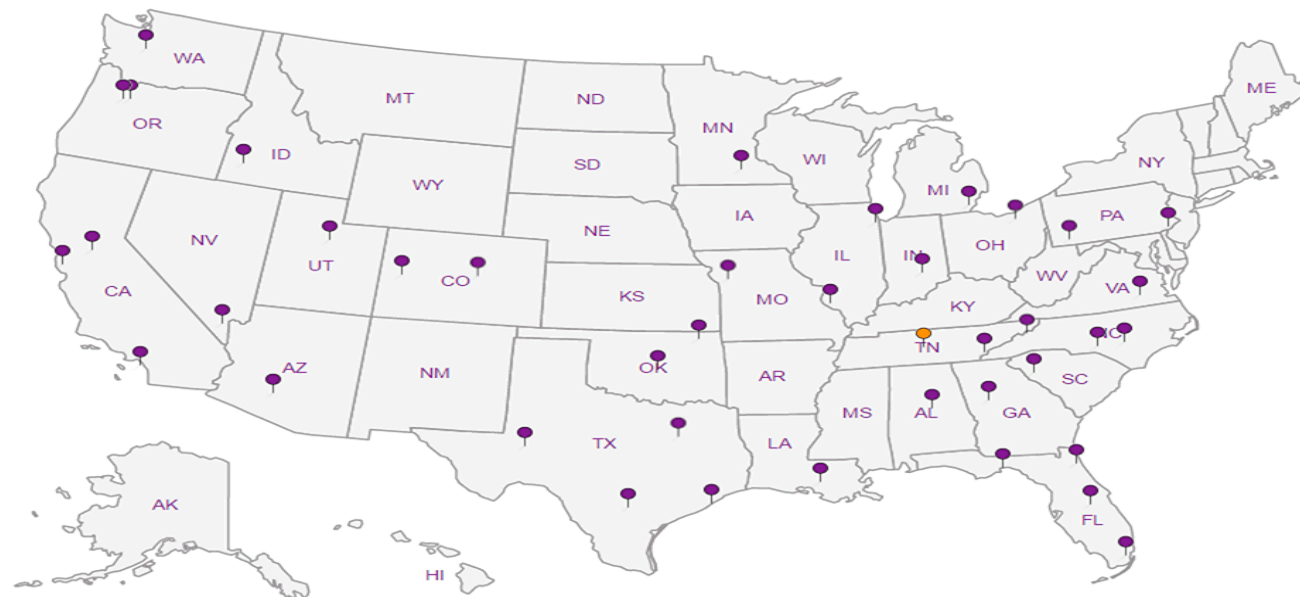
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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

Our Locations

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



ConocoPhillips - Tetra Tech

4001 N. Big Spring St., Ste. 401
Midland, TX 79705

Billing Information:

Accounts Payable
4001 N. Big Spring St., Ste. 401
Midland, TX 79705Pres
Chk

Analysis / Container / Preservative

Chain of Custody

ESC

12065 Lebanon Rd
Midland, TX 79703
Phone: 435-758-5854
Phone: 800-767-5459
Fax: 435-758-5459

Report to:

Kayla Taylor

Email To:

Project

Description: Bottle Acc #27 Fed Com 2H

City/State
Collected

Lea Co NM

Phone 432-687-8137

Client Project #

Lab Project #

Fax:

212C-MD-01267

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N ☒ Y ☐☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Date Results Needed

No
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cnts	Analysis	Container	Preservative	Chain of Custody	Remarks	Sample # (lab only)
MSW-2(5)	-	SS	-	8/1	12:30	1	X	X	X			01
ESW-10	-	SS	-	8/1	09:30	1	X	X	X			02
AH-2(8'-9')	-	SS	-	8/1	12:00	1	X	X	X			03
												04
												05
												06
												07
												08
												09
												10
												11
												12
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												27
												28
												29
												30

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
UPS ☒ FedEx ☐ Courier ☐

Tracking # 4430 3427 2557

Relinquished by (Signature)

Date

Time

Received by (Signature)

Trip Blank Received: Yes ☒

HCL/MeOH

IBR

Relinquished by (Signature)

Date

Time

Received by (Signature)

Temp: °C

Bottles Received: 3 = 4

If preservation required by Login Date/Time

Relinquished by (Signature)

Date

Time

Received for lab by (Signature)

Date: 8/10/18

Time: 0845

Hold.

Condition

NCF / ON

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOL Zero Headpace: ☒ Y ☐ N

Preservation Correct/Checked: ☒ Y ☐ N

20.5 MR/HR

Katie Ingram



Login #:L1015723	Client:COPTETRA	Date:08/08/18	Evaluated by Myra "Katie" Ingram
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Non-Conformance (check applicable items)

Sample Integrity		Chain of Custody Clarification	
Parameter(s) past holding time		Login Clarification Needed	If Broken Container.
Improper temperature	X	Chain of custody is incomplete	Insufficient packing material around container
Improper container type		Please specify Metals requested	Insufficient packing material inside cooler
Improper preservation		Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Courier)
Insufficient sample volume		Received additional samples not listed on coc	Sample was frozen
Sample is biphasic		Sample ids on containers do not match ids on coc	Container lid not intact
Viials received with headspace		Trip Blank not received	If no Chain of Custody:
Broken container		Client did not "X" analysis.	Received by:
Broken container		Chain of Custody is missing	Date/Time:
Sufficient sample remains			Temp /Cont. Rec./pH
			Carrier:
			Tracking#

Login Comments:

What TPH?

Client informed by	Call	Email	Voice Mail	Date:8/8/18	Time:16:54
TSR Initials:CM	Client Contact				

Login Instructions:

Log GRO, DRORLA please

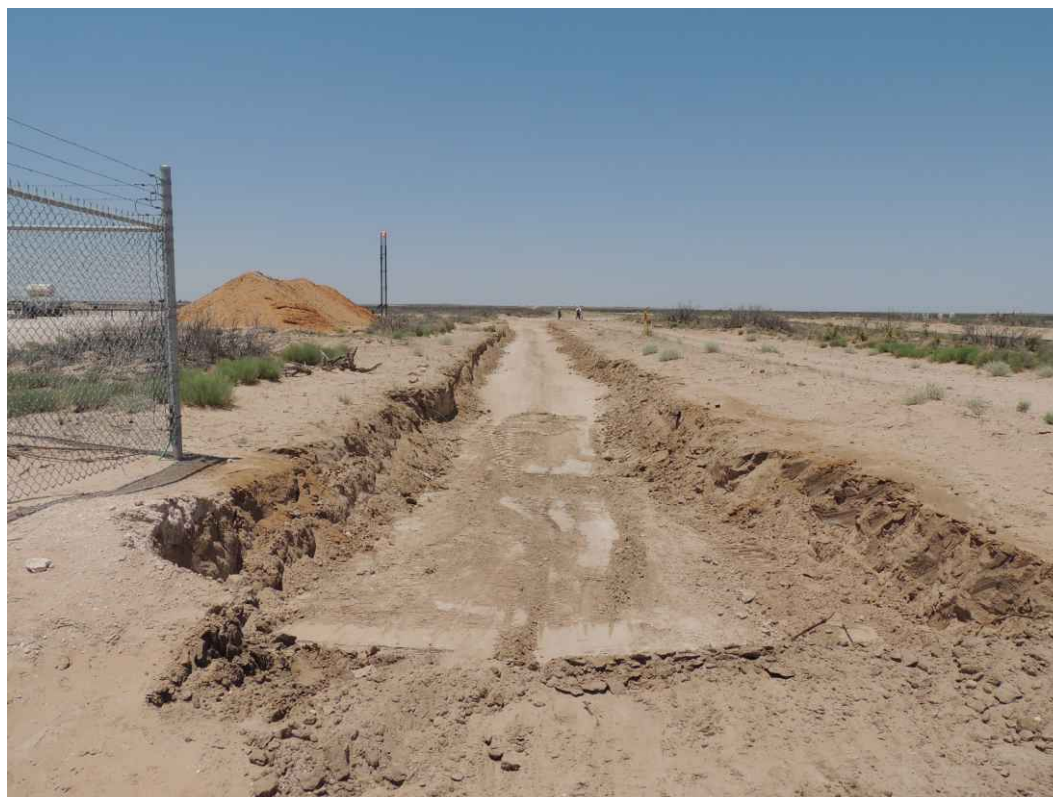
APPENDIX D

Photographic Documentation

CONOCOPHILLIPS
BATTLE AXE 27 FEDERAL 2H COM
LEA COUNTY, NEW MEXICO
1RP-4903, 1RP-4916



View Northeast – Excavation in progress near AH-1.



View North – Excavation in progress near AH-6.

CONOCOPHILLIPS
BATTLE AXE 27 FEDERAL 2H COM
LEA COUNTY, NEW MEXICO
1RP-4903, 1RP-4916



TETRA TECH



View North – Deeper Excavation in progress near AH-6.



View South – Excavation Area of AH-7 and AH-8

CONOCOPHILLIPS
BATTLE AXE 27 FEDERAL 2H COM
LEA COUNTY, NEW MEXICO
1RP-4903, 1RP-4916



TETRA TECH



View Northwest – Deeper Excavation near AH-8



View South – Excavation Area of AH-2

APPENDIX E

Waste Manifests



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
 Hobbs, NM 88241

Invoice

Date: 6/15/2018
Invoice #: C171063

Terms: Due Upon Receipt
Generator: CONOCOPHILLIPS
Lease: BATTLE AXE 27 FEDERAL COM
Well: 002H
Rig: NON-DRILLING
PO:
Memo:

Bill To
 CONOCOPHILLIPS
 P.O. BOX 2200
 BARTLESVILLE, OK 74005

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	899995	6/6/2018	1		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	899996	6/6/2018	2		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900103	6/6/2018	3		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900106	6/6/2018	4		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900314	6/7/2018	05		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900316	6/7/2018	6		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900408	6/7/2018	7		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900411	6/7/2018	8		NEAL GOATES	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900457	6/7/2018	9		NEAL GOATES	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900679	6/8/2018	10		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900688	6/8/2018	11		CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00		\$17.00	\$340.00	900689	6/8/2018	12		CLINT MERIT	MCNABB PARTNERS

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.

Released to Imaging: 2/24/2023 8:25:26 AM For more instructions, contact your Account Executive.



R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 6/15/2018
Invoice #: C171063

Terms: Due Upon Receipt
Generator: CONOCOPHILLIPS
Lease: BATTLE AXE 27 FEDERAL COM
Well: 002H
Rig: NON-DRILLING
PO:
Memo:

Bill To
CONOCOPHILLIPS
P.O. BOX 2200
BARTLESVILLE, OK 74005

Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	900690	6/8/2018	13	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	900809	6/8/2018	14	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	18.00	\$17.00	\$308.00	900810	6/8/2018	15	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	900813	6/8/2018	16	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	900819	6/8/2018	17	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	900820	6/8/2018	18	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	901677	6/11/2018	20	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	901771	6/11/2018	21	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	901778	6/11/2018	22	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	901974	6/12/2018	23	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	901975	6/12/2018	24	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902029	6/12/2018	25	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902079	6/12/2018	310479	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902091	6/12/2018	310563	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902093	6/12/2018	28	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902314	6/13/2018	30	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902315	6/13/2018	29	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902323	6/13/2018	31	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902327	6/13/2018	32	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902412	6/13/2018	33	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902426	6/13/2018	34	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902430	6/13/2018	36	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902432	6/13/2018	37	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902628	6/14/2018	37	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902630	6/14/2018	39	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902680	6/14/2018	39	CLINT MERIT	MCNABB PARTNERS
Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902696	6/14/2018	40	CLINT MERIT	MCNABB PARTNERS

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.

Released to Imaging: 2/24/2023 8:25:46 AM For more instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
 Hobbs, NM 88241

Invoice

Date: 6/15/2018
Invoice #: C171063

Terms: Due Upon Receipt
Generator: CONOCOPHILLIPS
Lease: BATTLE AXE 27 FEDERAL COM
Well: 002H
Rig: NON-DRILLING
PO:
Memo:

Bill To
 CONOCOPHILLIPS
 P.O. BOX 2200
 BARTLESVILLE, OK 74005

Contaminated Soil (RCRA Exempt)	20.00	\$17.00	\$340.00	902899	6/14/2018	41	CLINT MERIT	MCNABB PARTNERS
---------------------------------	-------	---------	----------	--------	-----------	----	-------------	-----------------

Please Remit To:
 R360-Permian Basin Region
 P.O.Box 671798
 Dallas, TX 75267-1798
 575-393-1079 (O); 575-393-3615(F)

Subtotal: \$13,566.00
NM Sales Tax (6.8125%): \$924.18
Total: \$14,490.18

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$17.00	798.00	yards	\$13,566.00
Sales Tax (NM)	\$924.18	1.00	each	\$924.18

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.

Released to Imaging: 2/24/2023 8:25:46 AM For wire instructions, contact your Account Executive.



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 1
 Manif. Date: 6/6/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-899995
 Bid #: O6UJ9A0009Z1
 Date: 6/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # ~~132~~ #1

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 3 Battle Ave 27 Feb COM 24
Section ~~22~~ - Township ~~17~~ South - Range ~~35~~ East,
Lea County, New Mexico ~~22~~ ~~32~~

ApI # 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

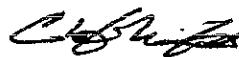
QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/6/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

6/6/18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

6.6.18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 2
 Manif. Date: 6/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: 82
 Card #:
 Job Ref #:

Ticket #: 700-899996
 Bid #: O6UJ9A0009Z1
 Date: 6/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 170 2

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~EVGSAU Satellite 3~~ Battle Ave 27 Feb Com 24Section ~~22~~ Township ~~17~~ South - Range ~~33~~ East,Lea County, New Mexico 32

Appl # 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 ywls

FACILITY CONTACT:

Date:

6/6/18Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 6-6-18

Signature Driver:



DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6.6.18Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 3
 Manif. Date: 6/6/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #:

Ticket #: 700-900103
 Bid #: 06UJ9A0009Z1
 Date: 6/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 3

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
~~EVGS All Satellite~~ Battle Ave 27 Fed com 2H
Section ~~32~~ - Township ~~17~~ South - Range ~~35~~ East,
Lea County, New Mexico ²⁶ 32

API# 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY: 203 mds

FACILITY CONTACT:

Date:

6/6/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

6-6-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

6-6-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 4
 Manif. Date: 6/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M32
 Card #:
 Job Ref #

Ticket #: 700-900106
 Bid #: O6UJ9A0009Z1
 Date: 6/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 4

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 3 Battle Ave 27 Fed Com 24
Section ~~32~~ - Township ~~17~~ South - Range ~~35~~ East,
Lea County, New Mexico ²⁶ ₃₂

API# 30.025.42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/6/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

6-6-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

6-6-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 05
 Manif. Date: 6/7/2018
 Hauler: MCNABB PARTNERS
 Driver: JOPSH
 Truck # M79
 Card #
 Job Ref #

Ticket #: 700-900314
 Bid #: O6UJ9A0009Z1
 Date: 6/7/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 5

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~EVGSAU Satellite~~ Battle Ake 27 Fed Com 24Section ~~32~~ ²⁷ Township ~~17~~ ²⁶ South - Range ~~35~~ ³² East,
Lea County, New Mexico

API # 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/7/18

Signature of Contact:

(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

6-7-18

Signature Driver:



DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6-7-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 6
 Manif. Date: 6/7/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #:
 Job Ref #:

Ticket #: 700-900316
 Bid #: O6UJ9A0009Z1
 Date: 6/7/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 6

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 3 Battle Ave 27 Fed COM 24

Section ~~32~~ - Township ~~17~~ South - Range ~~35~~ East,
Lea County, New Mexico ~~22~~ ~~24~~ ~~32~~

API# 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/7/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 6-7-18

Signature Driver:



DISPOSAL SITE:

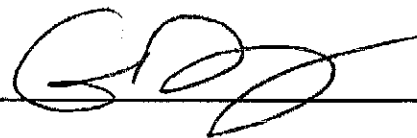
R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6-7-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 7
 Manif. Date: 6/7/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-900408
 Bid #: O6UJ9A0009Z1
 Date: 6/7/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 7

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~EVGSAU Satellite 3~~ Battle Ave 27 Falcon ZHSection ~~32~~ - Township ~~17~~ South - Range ~~35~~ East,
Lea County, New Mexico ~~32~~ ³²

API# 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date: 6/7/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 6-7-18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: NEAL GOATES
 AFE #:
 PO #:
 Manifest #: 8
 Manif. Date: 6/7/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: 82
 Card #
 Job Ref #

Ticket #: 700-900411
 Bid #: O6UJ9A0009Z1
 Date: 6/7/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 8

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
~~EYCSAU Satellite~~ 3 15 off 1/2 Ave 27 Fed Com 2H
Section ~~32~~ - Township ~~17~~ South - Range ~~33~~ East,
Lea County, New Mexico ~~76~~ ³²

API # 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY: 20 sacks

FACILITY CONTACT:

Date: 6/7/18Signature of Contact:
(Agent for ConocoPhillips) [Signature]

NAME OF TRANSPORTER (Driver):

Date: 6-7-18Signature Driver: [Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 6/7/18Representative
Signature [Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: NEAL GOATES
 AFE #:
 PO #:
 Manifest #: 9
 Manif. Date: 6/7/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: 78
 Card #:
 Job Ref #:

Ticket #: 700-900457
 Bid #: O6UJ9A0009Z1
 Date: 6/7/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 9

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
~~EVGSAU Satellite 3~~ *Baffin Ave 27 Fed Can 24*
Section ~~32~~ Township ~~17~~ South - Range ~~35~~ East,
Lea County, New Mexico ~~27~~ *32*

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/7/18

Signature of Contact:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

6/7/18

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

*6/7/18*Representative
Signature*[Signature]*



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 10
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-900679
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 10

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~EVGSAU Satellite 3~~Baffle Area 27 Fed Com 24
Section ~~32~~ - Township ~~17~~ South - Range ~~33~~ East,
Lea County, New Mexico ~~26~~

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20y mls

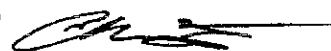
FACILITY CONTACT:

Date:

6/8/18

Signature of Contact:

(Agent for ConocoPhillips)

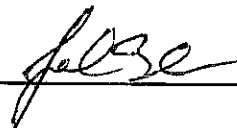


NAME OF TRANSPORTER (Driver):

Date:

6-8-18

Signature Driver:



DISPOSAL SITE:

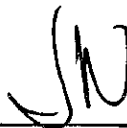
R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6-8-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 11
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #:

Ticket #: 700-900688
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 11

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

API# 30-025-42896

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~EVGSAU Satellite 3~~ Battle Ave 27 Fed Com 211Section ~~33~~ Township ~~17~~ South - Range ~~35~~ East,Lea County, New Mexico ~~28~~ 32

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

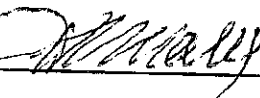
6/8/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 6/8/18

Signature Driver:



DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6-8-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 12
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: URIEL
 Truck #: M81
 Card #:
 Job Ref #:

Ticket #: 700-900689
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 12

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

API #30-025-42896

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~EVGSAH Satellite~~ Battle for 27 Fuel 20M 2HSection ~~22~~ Township ~~17~~ South - Range ~~35~~ East,Lea County, New Mexico ~~26~~ 32

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

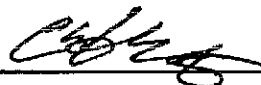
QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/8/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 6-8-18

Signature Driver:



DISPOSAL SITE:

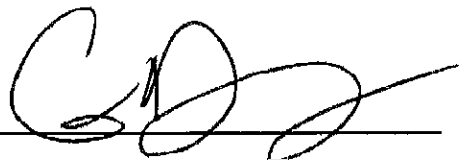
R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6-8-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 13
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-900690
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 13

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

API# 30-025-42896

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 3 Bottle Dec 22 Fed Com 24

Section 32 Township 12 South - Range 35 East,

Lea County, New Mexico 26 22

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

6/8/18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 6-8-18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

6-8-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 14
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-900809
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 14

SHIPPING FACILITY NAME & ADDRESS:

Company:

Address:

Project Lead:

Battle Ave 27 Fed Com 24
Clink Merritt

LOCATION OF MATERIAL:

Location:

Company:

Ken Co NM
COP

API# 30-25-42896

S

27

T

26

R

32

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yds

FACILITY CONTACT:

Date:

6/8/16

Contact Signature:

(Agent for ConocoPhillips)

Clink Merritt

NAME OF TRANSPORTER: (Driver)

Date:

6-8-16

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-8-18Representative
Signature:[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 15
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: LEO
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-900810
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 15

SHIPPING FACILITY NAME & ADDRESS:

Company:

Address:

Project Lead:

API #: 30-25-4289

LOCATION OF MATERIAL:

Location:

Company:

S 22T 26R 32

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

~~2500~~ 18 yds

FACILITY CONTACT:

Date:

6/8/12

Contact Signature:

(Agent for ConocoPhillips)

Chapman

NAME OF TRANSPORTER: (Driver)

Date:

6-8-18

Driver Signature:

Leo Luna

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-8-18

Representative
Signature:

GN



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 16
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-900813
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 16

SHIPPING FACILITY NAME & ADDRESS:

Company: AOB
Address:
Project Lead: Battle Ave 22 Fcl Con 24

AP# 30-25-4289

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 26 R 32

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yds

FACILITY CONTACT:

Date:

6/8/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6/8/18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-8-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 17
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: URIEL
 Truck # M81
 Card #
 Job Ref #

Ticket #: 700-900819
 Bid #: O6UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 17

SHIPPING FACILITY NAME & ADDRESS:

Company: COE
Address: Watk Ave 27 Full Can 24
Project Lead:

API # 30-025
-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 26 R 32

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: 20 yds

FACILITY CONTACT:

Date: 6/8/18 Contact Signature:
(Agent for ConocoPhillips) Chet Harris

NAME OF TRANSPORTER: (Driver)

Date: 6-8-18 Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal:
Address:
Date: 6-8-18 Representative
Signature: CD



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 18
 Manif. Date: 6/8/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-900820
 Bid #: 08UJ9A0009Z1
 Date: 6/8/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 18

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Battle Ave 27 Fed Com 214
Project Lead:

API #: 30-025-428

LOCATION OF MATERIAL:

Location:
Company:

S 22 T 26 R 32

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yards

FACILITY CONTACT:

Date:

6/8/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6-8-18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-8-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 20
 Manif. Date: 6/11/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-901677
 Bid #: O6UJ9A0009Z1
 Date: 6/11/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896LEA
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 20

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Battle Ave 27 Fort Com 2H API# 30-025-42896
Project Lead: Clint Hewitt

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 26S R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: 20,000 lbs

FACILITY CONTACT:

Date: 6/11/18 Contact Signature: [Signature]
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 6-11-18 Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal:
Address:
Date: 6.11.18 Representative Signature: [Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 21
 Manif. Date: 6/11/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-901771
 Bid #: O6UJ9A0009Z1
 Date: 6/11/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units****Contaminated Soil (RCRA Exempt)**

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # ~~21~~ 21

SHIPPING FACILITY NAME & ADDRESS:

Company: CDP
Address: 34th Ave 27 Fed Con 2H
Project Lead: Clint Herritt

API#
30-025-42892

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 325

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/11/18

Contact Signature:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER: (Driver)

Date:

6/11/18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 22
 Manif. Date: 6/11/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-901778
 Bid #: O6UJ9A0009Z1
 Date: 6/11/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # ~~111~~ 22

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Route 27 Fed Con ZA
Project Lead: Chris Murrett

API#

30-025-412896

LOCATION OF MATERIAL:

Location: —
Company: —

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

2 drums

FACILITY CONTACT:

Date:

6/11/18

Contact Signature:

(Agent for ConocoPhillips)

Chris Murrett

NAME OF TRANSPORTER: (Driver)

Date:

6-11-18

Driver Signature:

Joe Pate

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-11-18

Representative
Signature:

JW



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 23
 Manif. Date: 6/12/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-901974
 Bid #: O6UJ9A0009Z1
 Date: 6/12/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 23

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: 3444 Ave 27 Fed Com 2H
Project Lead: Clint Heriff

LOCATION OF MATERIAL:

Location:
Company:

AP14
20-025-42896

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: 20 yards

FACILITY CONTACT:

Date: 6/12/18 Contact Signature: Clint Heriff
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 6/12/18 Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal: 6-12-18
Address:
Date: Representative Signature: [Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 24
 Manif. Date: 6/12/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-901975
 Bid #: O6UJ9A0009Z1
 Date: 6/12/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 24

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: 3246 Ave 27 Ed Com 2K
Project Lead: Clin + Merritt

API # 30-025-4286

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 26S R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/12/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6-12-18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-12-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 25
 Manif. Date: 6/12/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-902029
 Bid #: O6UJ9A0009Z1
 Date: 6/12/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896LEA
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 25

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Battle Ave 27 Fed Com 24
Project Lead: Clint Merrill

API# 30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20yds

FACILITY CONTACT:

Date:

6/12/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6/12/18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6.12.18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 310479
 Manif. Date: 6/12/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #:

Ticket #: 700-902079
 Bid #: O6UJ9A0009Z1
 Date: 6/12/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896LEA
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

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

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

Generator Certification Statement of Waste Status

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

☒ 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: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Clint Menz

Phone No. _____

Operator No. <u>COC7</u>	GENERATOR	NO. <u>310479</u>
Operators Name _____	Permit/RRC No. _____	<u>Battle are 27 Fed com</u> <u>30-025-42896 Alt</u>
Address _____	Lease/Well Name & No. _____	
City, State, Zip _____	County _____	
Phone No. _____	API No. _____	
	Rig Name & No. _____	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds _____	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	Washout Water (Injectable) _____
Water Based Muds _____	Completion Fluid/Flow back (Non-Injectable) _____	Completion Fluid/Flow back (Injectable) _____
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	Produced Water (Injectable) _____
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	Gathering Line Water/Waste (Injectable) _____
Tank Bottoms _____	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil <input checked="" type="checkbox"/>	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES		

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.			
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back		
QUANTITY <u>20</u>	B - BARRELS	L - LIQUID	<u>Y - YARDS</u> E - EACH

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 load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME	DATE	SIGNATURE
Transporter's Name <u>McNabb Partners</u>	Driver's Name <u>Howard</u>	
Address _____	Print Name _____	
Phone No. _____	Phone No. _____	
	Truck No. <u>1078</u>	<u>End Pump</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE
TRUCK TIME STAMP		DISPOSAL FACILITY	
IN: _____	OUT: _____	RECEIVING AREA	
		Name/No. <u>SD/51</u>	

Site Name/ Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-393-1079</u>
Address <u>6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220</u>	

NORM READINGS TAKEN? (Circle one) YES ☐ NO ☒ If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle one) YES ☐ NO ☒

TANK BOTTOMS			
1st Gauge	Feet	Inches	BS&W/BBLs Received
2nd Gauge			Free Water
Received			Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED If denied, why?

Jacob 6/12/18 Jacob

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 310563
 Manif. Date: 6/12/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #:
 Job Ref #

Ticket #: 700-902091
 Bid #: O6UJ9A0009Z1
 Date: 6/12/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896LEA
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information
Name Christine
Phone No. _____

GENERATOR

NO. 310563

Operator No. _____
Operators Name Cog
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. Batt 6 Area 27 Fed Co.
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	<u>20</u>	NON-INJECTABLE WATERS Washout Water (Non-Injectable) _____ Completion Fluid/Flow back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____ INTERNAL USE ONLY Truck Washout (exempt waste) _____
Oil Based Cuttings	_____	
Water Based Muds	_____	
Water Based Cuttings	_____	
Produced Formation Solids	_____	
Tank Bottoms	_____	INJECTABLE WATERS Washout Water (Injectable) _____ Completion Fluid/Flow back (Injectable) _____ Produced Water (Injectable) _____ Gathering Line Water/Waste (Injectable) _____ OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	_____	
Gas Plant Waste	_____	_____

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

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 load is (Check the appropriate classification)

- ☒ **RCRA EXEMPT:** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ **EMERGENCY NON-OILFIELD:** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name McNabb Partners Driver's Name Joe
Address _____ Print Name _____
Phone No. BD Phone No. _____
Truck No. 1182

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

6-12-18 X Joe 7-2
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____	Site Name/Permit No. <u>Halfway Facility / NM1-006</u>	Name/No. <u>5015</u>
Address <u>6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220</u>		Phone No. <u>575-393-1079</u>	
NORM READINGS TAKEN? (Circle One) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		If YES, was reading > 50 micro roentgens? (circle one) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PASS THE PAINT FILTER TEST? (Circle One) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	Free Water	Total Received	BS&W (%)
1st Gauge	_____	_____	_____	_____	_____	_____
2nd Gauge	_____	_____	_____	_____	_____	_____
Received	_____	_____	_____	_____	_____	_____

I hereby certify that the above load material has been (circle one): ACCEPTED 6-12-18 Joe
NAME (PRINT) DATE TITLE SIGNATURE

C-138

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

Version



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 28
 Manif. Date: 6/12/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #:
 Job Ref #

Ticket #: 700-902093
 Bid #: O6UJ9A0009Z1
 Date: 6/12/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896LEA
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 28

SHIPPING FACILITY NAME & ADDRESS:

Company: COPAddress: Boyle Ave 27 Feet Cam 2HProject Lead: Chris Maciuff

30-075-42896

LOCATION OF MATERIAL:

Location:

Company:

S 27T 26 SR 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yd

FACILITY CONTACT:

Date:

6/12/18

Contact Signature:

(Agent for ConocoPhillips)



NAME OF TRANSPORTER: (Driver)

Date:

6-12-18

Driver Signature:



DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-12-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 30
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-902314
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

MANIFEST # 30

~~SECRET~~

AP 1# 30-025-42846

S 27 T 265 R 32E

210



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 29
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: ACIE
 Truck #: 80
 Card #:
 Job Ref #:

Ticket #: 700-902315
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 29

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Route Ave 27 Ad Com 24
Project Lead: Clint Merritt

API #

30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 3ZE

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

Clint Merritt

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18

Driver Signature:

Clint Merritt

DISPOSAL SITE:

Name of Disposal:

Address:

Date: 6-13-18

Representative
Signature:

Clint Merritt



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 31
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #

Ticket #: 700-902323
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 31

SHIPPING FACILITY NAME & ADDRESS:

Company: COOAddress: Butte Ave 27Project Lead: Chris MerrittAP/# 30-25-42816

LOCATION OF MATERIAL:

Location:

Company:

S 27T 215R 325

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6/13/18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date: 6-13-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 32
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-902327
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 32

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: 5516 Ave 27 Fuel Com 214
Project Lead: Clint Merritt

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: 20 yards

FACILITY CONTACT:

Date: 6/13/18 Contact Signature:
(Agent for ConocoPhillips) Clint Merritt

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18 Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal:
Address:
Date: 6-13-18 Representative
Signature: [Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 33
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #:
 Job Ref #

Ticket #: 700-902412
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 33

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Battle Ave 27
Project Lead: Clint Luvitt

API# 30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T ZES R JRE

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date: 6/13/18

Contact Signature:
(Agent for ConocoPhillips)

Clint Luvitt

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18

Driver Signature:

John D. Dwyer

DISPOSAL SITE:

Name of Disposal:
Address:
Date:

W-12-18

Representative
Signature:

JM



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 34
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: ACIE
 Truck #: M80
 Card #
 Job Ref #

Ticket #: 700-902426
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 34

SHIPPING FACILITY NAME & ADDRESS:

Company: COPAddress: Battle Ave 22 Fed Can 24

Project Lead:

Clinton HerrickAPI # 30-025-42896

LOCATION OF MATERIAL:

Location:

Company:

S 27T 26SR 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/10/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-13-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 36
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-902430
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 36

SHIPPING FACILITY NAME & ADDRESS:

Company: COP

Address:

Project Lead: Battle Area 22Clint LurveyAPI# 30-025-42846

LOCATION OF MATERIAL:

Location:

Company:

S 27T 265R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

Cyber

NAME OF TRANSPORTER: (Driver)

Date:

6/13/18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-13-18Representative
Signature:[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 37
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-902432
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 37

SHIPPING FACILITY NAME & ADDRESS:

Company: cop
Address: Gate Ave 27 Rd Cam 24
Project Lead: Clint Heriff

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

residuals

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6-13-18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-13-18

Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 37
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #

Ticket #: 700-902628
 Bid #: O6UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # ~~26~~ 37

API# 30-025-42896

SHIPPING FACILITY NAME & ADDRESS:

Company: *cop*
Address: *Bath Ave 27 Fed Cor 24*
Project Lead: *Clint Heriff*

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 37E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: *20 yards*

FACILITY CONTACT:

Date: *6/14/18*

Contact Signature:
(Agent for ConocoPhillips) *[Signature]*

NAME OF TRANSPORTER: (Driver)

Date: *6/14/18*

Driver Signature: *[Signature]*

DISPOSAL SITE:

Name of Disposal:

Address:

Date: *6-14-18*

Representative
Signature: *[Signature]*



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 39
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #:
 Job Ref #

Ticket #: 700-902630
 Bid #: 06UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

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6/15/2018 10:29:04AM

TRANSPORTER'S MANIFEST

MANIFEST # 38

SHIPPING FACILITY NAME & ADDRESS:

Company: COPAddress: Battle 4227 Fed COM 24Project Lead: Clint MerrittAPI# 30-025-42896

LOCATION OF MATERIAL:

Location:

Company:

S 27T 26 SR 32 E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/14/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6-14-18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

C-14-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 39
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #:
 Job Ref #

Ticket #: 700-902680
 Bid #: O6UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 39

SHIPPING FACILITY NAME & ADDRESS:

Company: BOBAddress: Boyle Ave 27 Fed Com 26

Project Lead:

Clint MerrittAPI# 30.025-42826

LOCATION OF MATERIAL:

Location:

Company:

S 27 T 26 S R 32 E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 bags

FACILITY CONTACT:

Date:

6/14/18

Contact Signature:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER: (Driver)

Date:

6/14/18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-14-18Representative
Signature:[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 40
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #

Ticket #: 700-902696
 Bid #: O6UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

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6/15/2018 10:29:05AM

TRANSPORTER'S MANIFEST

MANIFEST # 40

SHIPPING FACILITY NAME & ADDRESS:

Company: COPAddress: Battle Ave 22 Fed Com 24Project Lead: Cliff MearnsAPI# 30-025-42846

LOCATION OF MATERIAL:

Location:

Company:

S 27T 26SR 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

265 cu yds

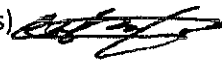
FACILITY CONTACT:

Date:

6/14/18

Contact Signature:

(Agent for ConocoPhillips)



NAME OF TRANSPORTER: (Driver)

Date:

6/14/18

Driver Signature:



DISPOSAL SITE:

Name of Disposal:

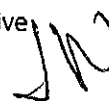
Address:

Date:

6-14-18

Representative

Signature:





Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 41
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M78
 Card #:
 Job Ref #:

Ticket #: 700-902699
 Bid #: O6UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

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6/15/2018 10:29:06AM

TRANSPORTER'S MANIFEST

MANIFEST # 41

SHIPPING FACILITY NAME & ADDRESS:

Company: corp
Address: Battle Ave 27 Ed Com 2H
Project Lead: Clint Merrill

API# 30-025-42816

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R JRE

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yds

FACILITY CONTACT:

Date:

6/14/18

Contact Signature:

(Agent for ConocoPhillips)

Cub

NAME OF TRANSPORTER: (Driver)

Date:

6-14-18

Driver Signature:

Joe Brown

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-14-18Representative
Signature:Clee

TRANSPORTER'S MANIFEST

MANIFEST # 29

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Route 27 Fuel Com 2H
Project Lead: Clint Merritt

API #
30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 3ZE

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

Clint Merritt

NAME OF TRANSPORTER: (Driver)

Date:

6-13-18

Driver Signature:

Ken Mayberry

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-13-18Representative
Signature:Ken Mayberry

Customer: CONOCO PHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 29
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: ACIE
 Truck #: 80
 Card #
 Job Ref #

Ticket #: 700-902315
 Bid #: O6UJ9A0000987
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL C
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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 item.)
☐ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 30

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Battle Ave 27 Fed Corn ZH
Project Lead: Charles Hurrieff

~~0117~~ CSAPI# 30-025-42846

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yards

FACILITY CONTACT:

Date: 6/10/18Contact Signature:
(Agent for ConocoPhillips)CLC

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18

Driver Signature:

Josh Durbey

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-13-18Representative
Signature:JN

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: CLINT MERRITT
AFE #:
PO #:
Manifest #: 30
Manif. Date: 6/13/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-902314
Bid #: O6UJ9A0009Z1
Date: 6/13/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 42896L
Well Name: BATTLE AXE 27 FEDERAL O
Well #: 002H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 31

SHIPPING FACILITY NAME & ADDRESS:

Company: CCPAddress: Butte Ave 27Project Lead: Chet HerrickAPI# 30-25-42816

LOCATION OF MATERIAL:

Location:

Company:

S 27T 245R 326

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6/13/18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date: 6-13-18Representative
Signature:

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: CLINT MERRITT
AFE #:
PO #:
Manifest #: 31
Manif. Date: 6/13/2018
Hauler: MCNABB PARTNERS
Driver: HOWARD
Truck #: M78
Card #
Job Ref #

Ticket #: 700-902323
Bid #: O6UJ9A0009Z1
Date: 6/13/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 42896L
Well Name: BATTLE AXE 27 FEDERAL C
Well #: 002H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 32

SHIPPING FACILITY NAME & ADDRESS:

Company: CSP
Address: State Ave 27 Fuel Con 214
Project Lead: Clint Merritt

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

Clint Merritt

NAME OF TRANSPORTER: (Driver)

Date:

6-13-18

Driver Signature:

Joe P

DISPOSAL SITE:

Name of Disposal:

Address:

Date: 6-13-18Representative
Signature:Cee



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 32
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #:
 Job Ref #:

Ticket #: 700-902327
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 33

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Bottle Ave 27
Project Lead: Clint Horvath

API# 30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date: 6/13/18

Contact Signature:
(Agent for ConocoPhillips)

Clint Horvath

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18

Driver Signature:

John D. [Signature]

DISPOSAL SITE:

Name of Disposal:
Address:
Date:

6-13-18

Representative
Signature:

[Signature]

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 33
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-902412
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 34

SHIPPING FACILITY NAME & ADDRESS:

Company: COPAddress: Dattle Ave 22 Fed Con 24

Project Lead:

Clint HarffAPI # 30-025-42096

LOCATION OF MATERIAL:

Location:

Company:

S 27T 263R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

W-13-6Representative
Signature:[Signature]

Customer: CONOCOPHILLIPS

Ticket #: 700-902426 Page 297 of 376



Permian Basin

Customer #: CRI2190

Bid #: 06UJ9A0009Z1

Ordered by: CLINT MERRITT

Date: 6/13/2018

AFE #:

Generator: CONOCOPHILLIPS

PO #:

Generator #:

Manifest #: 34

Well Ser. #: 42896L

Manif. Date: 6/13/2018

Well Name: BATTLE AXE 27 FEDERAL

Hauler: MCNABB PARTNERS

Well #: 002H

Driver: ACIE

Field:

Truck #: M80

Field #:

Card #

Rig: NON-DRILLING

Job Ref #

County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 36

SHIPPING FACILITY NAME & ADDRESS:

Company: COV
Address: Battle Ave 22
Project Lead: Clint Lunn

API# 30-025-42846

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 328

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/13/18

Contact Signature:

(Agent for ConocoPhillips)

Cyber

NAME OF TRANSPORTER: (Driver)

Date:

6/13/18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-13-18

Representative
Signature:

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 36
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-902430
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 37

SHIPPING FACILITY NAME & ADDRESS:

Company: cop
Address: Battle Ave 27 Fed Cor 24
Project Lead: Cliff Heritt

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: 200 yds

FACILITY CONTACT:

Date: 6/13/18 Contact Signature: [Signature]
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 6-13-18 Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal: 6-13-18
Address:
Date: Representative Signature: [Signature]

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 37
 Manif. Date: 6/13/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-902432
 Bid #: O6UJ9A0009Z1
 Date: 6/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # ~~26~~ 37

API# 30-025-42816

SHIPPING FACILITY NAME & ADDRESS:

Company: cop
Address: Bath Ave 27 Fed Con 24
Project Lead: Cliff Moritt

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R 37E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yards

FACILITY CONTACT:

Date: 6/14/18Contact Signature:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

6/14/18

Driver Signature:



DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-14-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: CLINT MARRITT
AFE #:
PO #:
Manifest #: 37
Manif. Date: 6/14/2018
Hauler: MCNABB PARTNERS
Driver: HOWARD
Truck #: M78
Card #
Job Ref #

Ticket #: 700-902628
Bid #: O6UJ9A0009Z1
Date: 6/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 42896L
Well Name: BATTLE AXE 27 FEDERAL C
Well #: 002H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 39

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: 30th Ave 27 Fed Com 24
Project Lead: Clint Merritt

API# 30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 26 S R 32 E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 yds

FACILITY CONTACT:

Date: 6/14/18Contact Signature:
(Agent for ConocoPhillips) [Signature]

NAME OF TRANSPORTER: (Driver)

Date: 6-14-18Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal:

Address:
Date: 6-14-18Representative
Signature: [Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 39
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #:
 Job Ref #:

Ticket #: 700-902630
 Bid #: O6UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDFRAI
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 39

SHIPPING FACILITY NAME & ADDRESS:

Company: COBAddress: Battle Ave 27 Fed Com 26Project Lead: Clint MerrittAPI# 70.025-42826

LOCATION OF MATERIAL:

Location:

Company:

S 27 T 26 SR 32 E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners

4008 N. Grimes #270

Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity: 20 bags

FACILITY CONTACT:

Date:

6/4/18

Contact Signature:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER: (Driver)

Date:

6/4/18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6/4/18Representative
Signature:[Signature]



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 39
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-902680
 Bld #: O6UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 40

SHIPPING FACILITY NAME & ADDRESS:

Company: COP
Address: Gate Ave 27 Fed Cor 24
Project Lead: Cliff Merritt

API# 30-025-42846

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 26S R 32E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

26 yards

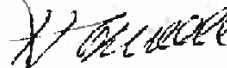
FACILITY CONTACT:

Date: 6/14/18Contact Signature:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 6/14/18

Driver Signature:

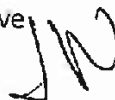


DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-14-18Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 40
 Manif. Date: 6/14/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-902696
 Bid #: 06UJ9A0009Z1
 Date: 6/14/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 41

SHIPPING FACILITY NAME & ADDRESS:

Company: cap
Address: Battle Ave 27 Fed Com 2H
Project Lead: Clint Merrill

API# 30-025-42896

LOCATION OF MATERIAL:

Location:
Company:

S 27 T 265 R JRE

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

20 yards

FACILITY CONTACT:

Date:

6/14/18

Contact Signature:

(Agent for ConocoPhillips)

CLB

NAME OF TRANSPORTER: (Driver)

Date:

6-14-18

Driver Signature:

Joe [Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

6-14-18Representative
Signature:[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: CLINT MERRIT
AFE #:
PO #:
Manifest #: 41
Manifest Date: 6/14/2018
Hauler: MCNABB PARTNERS
Driver: JOE
Truck #: M78
Card #
Job Ref #

Ticket #: 700-902699
Bid #: O6UJ9A0009Z1
Date: 6/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 42896L
Well Name: BATTLE AXE 27 FEDERAL C
Well #: 002H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units										
Contaminated Soil (RCRA Exempt)	20.00 yards										
Lab Analysis:	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 2**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
Battle Axe 27 Fed Com 2H
Section 27 - Township 26 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

15 bags

FACILITY CONTACT:

Date:

7/12/18

Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date: 7-13-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: NEAL GOATES
 AFE #:
 PO #:
 Manifest #: CLINT MERRITT
 Manif. Date: 7/13/2018
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-911050
 Bid #: O6UJ9A0009Z1
 Date: 7/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL O
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

15.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 5**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
Battle Axe 27 Fed Com 2H
Section 27 - Township 26 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:*Impacted Soil*

QUANTITY:

*18 yds***FACILITY CONTACT:**Date: *7/13*Signature of Contact:
(Agent for ConocoPhillips) *Chet Goates***NAME OF TRANSPORTER (Driver):**Date: *7-13-18*Signature Driver: *Chet Goates***DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: *7/13/18*Representative
Signature *T. Martinez*



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MARROT
 AFE #:
 PO #:
 Manifest #: 5
 Manif. Date: 7/13/2018
 Hauler: MCNABB PARTNERS
 Driver: LEO
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-911200
 Bid #: O6UJ9A0009Z1
 Date: 7/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL C
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						18.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 1**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
Battle Axe 27 Fed Com 2H
Section 27 - Township 26 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

18**FACILITY CONTACT:**

Date:

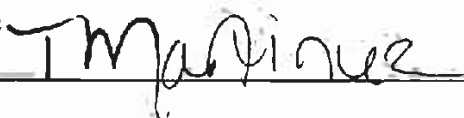
7/13/18Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**Date: 7-13-18

Signature Driver:

**DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

7/13/18Representative
Signature



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: NEAL GOATES
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 7/13/2018
 Hauler: MCNABB PARTNERS
 Driver: LEO
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-911049
 Bid #: O6UJ9A0009Z1
 Date: 7/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 3**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
Battle Axe 27 Fed Com 2H
Section 27 - Township 26 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:*Impacted Soil***QUANTITY:***18 yards***FACILITY CONTACT:**

Date:

*7/13*Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**Date: *7-13-18*

Signature Driver:

*Uw Luma***DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

*7/13/18*Representative
Signature*Y Martinez*



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 3
 Manif. Date: 7/13/2018
 Hauler: MCNABB PARTNERS
 Driver: LEO
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-911118
 Bid #: O6UJ9A0009Z1
 Date: 7/13/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CO
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 1**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East.

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards**FACILITY CONTACT:**

Date:

7/31/18

Signature of Contact:

(Agent for ConocoPhillips)

C. B. Merritt**NAME OF TRANSPORTER (Driver):**Date: 7-31-18

Signature Driver:

[Signature]**DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

7/31/18Representative
Signature[Signature]



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MARRIOTT
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 7/31/2018
 Hauler: MCNABB PARTNERS
 Driver: URIEL
 Truck #: M81
 Card #:
 Job Ref #:

Ticket #: 700-916121
 Bid #: O6UJ9A0009Z1
 Date: 7/31/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 2**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

8/2/18

Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date: 8-2-18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 2
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M81
 Card #
 Job Ref #

Ticket #: 700-916710
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC.
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 3**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

*Cliff Merrill***TRANSPORTER NAME AND ADDRESS:**

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards *Truck 78*
*1#***FACILITY CONTACT:**

Date:

*8/2/18*Signature of Contact:
(Agent for ConocoPhillips)*Cliff Merrill***NAME OF TRANSPORTER (Driver):**

Date:

8/2/18

Signature Driver:

*Michael***DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

*8/2/18*Representative
Signature*[Signature]*



Permian Basin

Customer: COG OPERATING LLC
 Customer #: CRI2120
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 3
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: 78
 Card #
 Job Ref #

Ticket #: 700-916718
 Bid #: O6UJ9A000AME
 Date: 8/2/2018
 Generator: COG OPERATING, LLC
 Generator #:
 Well Ser. #: 41370L
 Well Name: BATTLE AXE FEDERAL COM
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 4**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

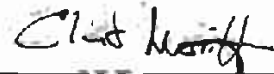
FACILITY CONTACT:

Date:

8/2/18

Signature of Contact:

(Agent for ConocoPhillips)

**NAME OF TRANSPORTER (Driver):**Date: 8-2-18

Signature Driver:

**DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 4
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-916720
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST**MANIFEST #** 5**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
Battle Axe 27 Fed Com 2H
Section 27 - Township 26 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:*Impacted Soil***QUANTITY:***20 yds***FACILITY CONTACT:****Date:***8/2/18***Signature of Contact:**
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):****Date:** *8/2/18***Signature Driver:****DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:**Representative
Signature**



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 5
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M89-A179
 Card #
 Job Ref #

Ticket #: 700-916776
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 6**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards**FACILITY CONTACT:**

Date:

8/2/18Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date:

8/2/18

Signature Driver:

**DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/2/18Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERITT
 AFE #:
 PO #:
 Manifest #: 6
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-916782
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	20.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 7**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
Battle Axe 27 Fed Com 2H
Section 27 - Township 26 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

26 yards

FACILITY CONTACT:

Date:

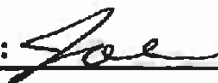
8/2/18

Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date:

8-2-18

Signature Driver:

**DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERITT
 AFE #:
 PO #:
 Manifest #: 7
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-916783
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 8**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

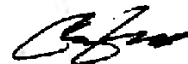
FACILITY CONTACT:

Date:

8/2/18

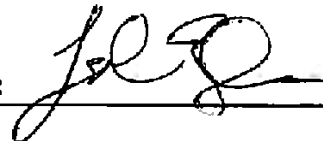
Signature of Contact:

(Agent for ConocoPhillips)

**NAME OF TRANSPORTER (Driver):**

Date: 8-2-18

Signature Driver:

**DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative

Signature



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 8
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-916832
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CO
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

- ☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 9**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

Truck 78
20 yards**FACILITY CONTACT:**

Date:

8/2/18

Signature of Contact:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 8/2/18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/2/18

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: CLINT MERRITT
AFE #:
PO #:
Manifest #: 9
Manif. Date: 8/2/2018
Hauler: MCNABB PARTNERS
Driver: HOWARD
Truck #: 78
Card #
Job Ref #

Ticket #: 700-916839
Bid #: O6UJ9A0009Z1
Date: 8/2/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 42896L
Well Name: BATTLE AXE 27 FEDERAL CC
Well #: 002H
Field:
Field #:
Rig:
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 10**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

8/2/18

Signature of Contact:

(Agent for ConocoPhillips)

C. L. H. H.

NAME OF TRANSPORTER (Driver):

Date:

8-2-18

Signature Driver:

Joe

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Customer: CONOCOPHILLIPS
 Customer #: CRIZ190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 10
 Manif. Date: 8/2/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-916842
 Bid #: O6UJ9A0009Z1
 Date: 8/2/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 11**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

Battle Axe 27 Fed Com 2H

Section 27 - Township 26 South - Range 32 East,

Lea County, New Mexico

API # 30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

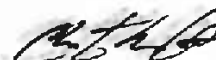
FACILITY CONTACT:

Date:

8/3/18

Signature of Contact:

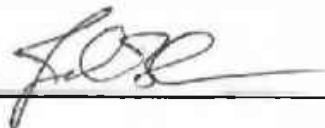
(Agent for ConocoPhillips)

**NAME OF TRANSPORTER (Driver):**

Date:

8-3-18

Signature Driver:

**DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative

Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 11
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-917052
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 12

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
MCA Battery Bottle Ave 27 Fuel Con 2H
Section ~~30~~ Township ~~17~~ South - Range 32 East,
Lea County, New Mexico ³⁷ ₃₆

API#
30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

TRUCK 78
20 yards

FACILITY CONTACT:

Date:

8/3/8

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

8318

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

8318

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 12
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: 78
 Card #
 Job Ref #

Ticket #: 700-917053
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 13

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

MCA Battery 1 Baffle Area 27 Fed COM 24

Section 30- Township 17 South - Range 32 East,

Lea County, New Mexico

API#

30-025-4286

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

8/3/18

Signature of Contact:

(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

8-3-18

Signature Driver:



DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative

Signature



R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 13
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-917054
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service					Quantity Units						
Contaminated Soil (RCRA Exempt)					20.00 yards						
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 14**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery 1~~ Battle Ave 27 Paul Com 24Section ~~30~~ - Township ~~17~~ South - Range 32 East,

Lea County, New Mexico

AP/ # 30 - 25 - 42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards**FACILITY CONTACT:**

Date:

8/3/18

Signature of Contact:

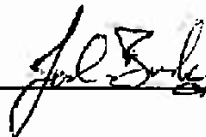
(Agent for ConocoPhillips)

**NAME OF TRANSPORTER (Driver):**

Date:

8-3-18

Signature Driver:

**DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative

Signature





Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MARRIT
 AFE #:
 PO #:
 Manifest #: 14
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-917118
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFEST

MANIFEST # 15

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery~~ 1 Battle Ave 27 Fed Com 24 API # 30.25-4282
Section 30 - Township 17 South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yds

FACILITY CONTACT:

Date:

8/2/18

Signature of Contact:

(Agent for ConocoPhillips)

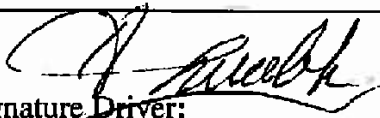


NAME OF TRANSPORTER (Driver):

Date:

8/3/18

Signature Driver:



DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/3/18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRIT
 AFE #:
 PO #:
 Manifest #: 15
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: 78
 Card #
 Job Ref #

Ticket #: 700-917119
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 16**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery 1~~ *TS-112 A-2 27 Fed Com 24*Section ~~20~~ ²⁴ - Township ~~17~~ ²⁶ South - Range 32 East,

Lea County, New Mexico

API#

30-25-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

*20 yards***FACILITY CONTACT:**

Date:

8/3/18

Signature of Contact:

(Agent for ConocoPhillips)

*Clark McNabb***NAME OF TRANSPORTER (Driver):**

Date:

8-3-18

Signature Driver:

*[Signature]***DISPOSAL SITE:**

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature*[Signature]*



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRIT
 AFE #:
 PO #:
 Manifest #: 16
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-917120
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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 12, 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 17**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

MCA Battery 1

Section ~~30~~ - Township ~~1E~~ South - Range 32 East,
Lea County, New Mexico

Bottle due 27 Feb com 24

API #

36-25-42816

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

8/3/18

Signature of Contact:

(Agent for ConocoPhillips)

Cliff McNabb

NAME OF TRANSPORTER (Driver):

Date:

8/3/18

Signature Driver:

Rose

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature

MM



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MARRITT
 AFE #:
 PO #:
 Manifest #: 17
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-917166
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 18**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~McA Battery 1 - 8th~~ Battle Ave 275th Con 21

Section 30 - Township 17 South - Range 32 East,

Lea County, New Mexico

API#

30.25.42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

TRAIL 67E
20 yards**FACILITY CONTACT:**

Date:

8/3/18

Signature of Contact:

(Agent for ConocoPhillips)

Chf Smith

NAME OF TRANSPORTER (Driver):

Date:

8/3/18

Signature Driver:

XNUM

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/3/18

Representative

Signature

Signature



Customer: CONOCO PHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 18
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: 78
 Card #
 Job Ref #

Ticket #: 700-917170
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 19**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
MCA Battery *Battle Axe 27 Feet Com 2H*
Section ~~30~~ - Township ~~17~~ South - Range 32 East,
Lea County, New Mexico ~~34~~

AP1#

30-25-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

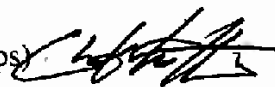
QUANTITY:

20 yards

FACILITY CONTACT:

Date:


8/3/18

Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date:

8-3-18

Signature Driver:

**DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERRITT
 AFE #:
 PO #:
 Manifest #: 19
 Manif. Date: 8/3/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-917171
 Bid #: O6UJ9A0009Z1
 Date: 8/3/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 70**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn: Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~McA Batts~~ Battle Ave 27 Feb Com 2H

Section 30 - Township 17 South - Range 32 East,

Lea County, New Mexico

API#

30-025-42816

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

TRUCK 78

FACILITY CONTACT:

Date: 8/6/18

Signature of Contact:
(Agent for ConocoPhillips)

C. Goates

NAME OF TRANSPORTER (Driver):

Date:

8/6/18

Signature Driver:

[Signature]

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/16/18

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI219C
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 20
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #:
 Job Ref #:

Ticket #: 700-917911
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: GRI

Product / Service	Quantity Units										
Contaminated Soil (RCRA Exempt)	20.00 yards										
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 21**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~McA Boreas~~ *Cattle Air Fuel COM 24*Section ~~30~~ *24* - Township ~~17~~ *24* South - Range 32 East,

Lea County, New Mexico

API#30-025-42896**TRANSPORTER NAME AND ADDRESS:**

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:*Impacted Soil*

QUANTITY:

*20 yards***FACILITY CONTACT:**

Date:

8/6/18

Signature of Contact:

(Agent for ConocoPhillips)

*C. Allen***NAME OF TRANSPORTER (Driver):**

Date:

8/6/18

Signature Driver:

*[Signature]***DISPOSAL SITE:***R360**P.O. Box 388**Hobbs, New Mexico 88241*

Date:

8/14/18

Representative

Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 21
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-917908
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units										
Contaminated Soil (RCRA Exempt)	20.00 yards										
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 72**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.
~~MCA Battery 1~~ Battle Aie 22 Fed Com 2K
Section ~~30~~ Township ~~17~~ South - Range 32 East,
Lea County, New Mexico ²²

AP#

30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

8/6/18

Signature of Contact:
(Agent for ConocoPhillips)

C. Goates

NAME OF TRANSPORTER (Driver):

Date: 8-6-18

Signature Driver:

Joe

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

8/6/18

Representative
Signature

Y. Martin



ermian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 22
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-917917
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
Lab Analysis:	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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:

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 23**SHIPPING FACILITY NAME & ADDRESS:**

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery 1~~ Restk ~~Are 27 Feil Com 24~~API#30-025-42896

Section ~~36~~ - Township ~~17~~ South - Range 32 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hobbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards**FACILITY CONTACT:**

Date:

8/6/18Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date:

8/6/18

Signature Driver:

**DISPOSAL SITE:**

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

8/6/18Representative
SignatureT Martinez



rmian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 23
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOSE
 Truck #: M79
 Card #
 Job Ref #

Ticket #: 700-917954
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

cility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1980 regulatory determination, the above described waste is:

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)

Owner/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 24

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery~~ Battle Ave 27 Fuel COM 24Section ~~38~~ 27 Township ~~12~~ 36 South - Range 32 East,

Lea County, New Mexico

API#30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

TRUCK - 7820 yards

FACILITY CONTACT:

Date:

8/6/18

Signature of Contact:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

8/6/18

Signature Driver:

[Signature]

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/6/18

Representative

Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 14
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-917960
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 25**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery~~ Battle Ave 27 Fed COM 24Section 20 - Township 12 South - Range 32 East,
Lea County, New Mexico

AP/4

30-025-42816

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

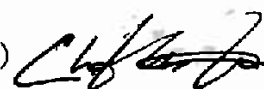
QUANTITY:

20 yds

FACILITY CONTACT:

Date:

8/6/18

Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date:

8-6-18

Signature Driver:

**DISPOSAL SITE:**

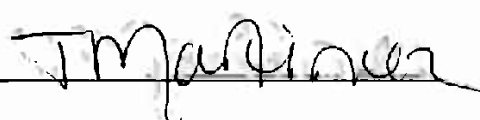
R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

9/6/18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CR12190
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 25
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-917961
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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: _____

TRANSPORTER'S MANIFESTMANIFEST # 26**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

MCA Battery 1 @ Battle Ave 27 Fed Com 26

Section 30 - Township 17 South - Range 32 East,

Lea County, New Mexico

API #

30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date: 8/6/18

Signature of Contact:
(Agent for ConocoPhillips)

C. McNabb

NAME OF TRANSPORTER (Driver):

Date:

8/6/18

Signature Driver:

[Signature]

DISPOSAL SITE:

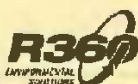
R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name Chris Alford

Phone No. _____

GENERATOR

NO. **326217**

Operator No. _____
 Operators Name 1011610
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well _____
 Name & No. Ball- Ave 27 East
 County _____
 API No. _____
 Rig Name & No. 1101
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS	INJECTABLE WATERS
		Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Muds	_____	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Water Based Cuttings	_____		
Produced Formation Solids	_____	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	_____	Truck Washout (exempt waste)	
E&P Contaminated Soil	<u>70</u>		
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS C - EACH

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 load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Wendell Perkins
 Address _____
 Phone No. _____

Driver's Name Josh
 Print Name _____
 Phone No. _____
 Truck No. 1101

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 2011

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒ If YES, was reading > 50 micro röntgens? (circle one) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
Received	_____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

TRANSPORTER'S MANIFESTMANIFEST # 78**SHIPPING FACILITY NAME & ADDRESS:****ConocoPhillips Company**

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

MCA Battery ~~1~~ Butte Ave 27 Fed Cor 2H
Section ~~30~~ 27 - Township ~~17~~ 27 South - Range 32 East,
Lea County, New Mexico

API#

30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

20 yards

FACILITY CONTACT:

Date:

8/6/18

Signature of Contact:
(Agent for ConocoPhillips)**NAME OF TRANSPORTER (Driver):**

Date: 8-6-18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/6/18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINTON MERRIT
 AFE #:
 PO #:
 Manifest #: 28
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M82
 Card #
 Job Ref #

Ticket #: 700-918010
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 28

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

LOCATION OF MATERIAL:

ConocoPhillips Co.

~~MCA Battery~~ Battle Ave 27 Fed Com 24
Section ~~30~~ 27 Township ~~17~~ 26 South, Range 32 East,
Lea County, New MexicoAPI#30-025-42896

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

7# 78
20 yards

FACILITY CONTACT:

Date:

8/6/18Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

8/6/18

Signature Driver:



DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

8/6/18Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CLINT MERIT
 AFE #:
 PO #:
 Manifest #: 28
 Manif. Date: 8/6/2018
 Hauler: MCNABB PARTNERS
 Driver: HOWARD
 Truck #: M78
 Card #
 Job Ref #

Ticket #: 700-918012
 Bid #: O6UJ9A0009Z1
 Date: 8/6/2018
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 42896L
 Well Name: BATTLE AXE 27 FEDERAL CC
 Well #: 002H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

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

Generator Certification Statement of Waste Status

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By _____

Date _____

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

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

CONDITIONS

Action 56748

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 56748
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Closure approved by Bradford Billings on 2/15/2021.	2/24/2023