



September 9, 2019

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

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

**Re: Closure Report
ConocoPhillips Company
EVGSAU Satellite #5 Release
Unit F, Section 26, Township 17 South, Range 35 East
Lea County, New Mexico
1RP-3775
Project #: 212C-MD-01391**

Mr. Rickman:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred at the East Vacuum Grayburg San Andres Unit (EVGSAU) Satellite #5, located in Unit Letter F, Section 26, Township 17 South, Range 35 East, in Lea County, New Mexico (Site). The release site coordinates are 32.806427°, -103.431637°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the leak was discovered on August 3, 2015, and released approximately thirty-one (31) barrels of produced water and one (1) barrel of crude oil due to a failed transfer pump. Immediate action was taken to isolate the transfer pump until repairs had been performed. Approximately twenty-nine (29) barrels of produced water, one (1) barrel of crude oil, and ten (10) barrels of rainwater were recovered. The initial release occurred on the caliche pad and measured approximately 180' x 20'.

SITE CHARACTERIZATION

A site characterization was performed for the site 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 and the site is in a low karst potential area. Two water wells were listed within Section 26 on the New Mexico Office of the State Engineer's database with an average depth to water of 50 feet below ground surface (bgs). During Tetra Tech's soil assessment, soil boring SB-6 was drilled to 45 feet bgs with no presence of moisture noted at total depth.

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901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

According to the Chevron Texaco Groundwater Trend map, the average depth to groundwater in this area is less than 100' bgs. The nearest wells are located in Section 23 and 35 with a reported depth to water of approximately 45 feet in 1964 and 40 feet in 1961 below surface, respectively. However, groundwater levels in the area fluctuate from 76 feet bgs in Section 27 to the west and 75 feet bgs in Section 25 to the east. Additionally, Tetra Tech manages groundwater sampling at a ConocoPhillips facility (Vacuum Glorieta East Unit, 1RP-744) located in Section 34, approximately 0.9 miles to the southwest. Groundwater gauging data collected from the facility has an average depth of approximately 67 feet bgs (June 2019). NMOCD has groundwater data, approximately 1000 ft. SW of the release location, indicating depth to groundwater around 59 feet bgs in 2017. The NMOSE groundwater data is shown 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.

The proposed RRALs are:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH: 1,000 mg/kg (based upon the depth to groundwater); and
- The reclamation requirement in 19.15.29.13 (D)(1) NMAC for chloride is less than 600 mg/kg in the top four feet.

INITIAL RELEASE ASSESSMENT

On June 30, 2016, three verticals (trenches) were installed in the release area by Basin Environmental Service Technologies (Basin), at the request of ConocoPhillips (Figure 3). The trenches extended from 3.5' bgs to 12' bgs. Grab samples were field screened for chlorides and organic vapors with a PID. Selected samples were collected and submitted to an analytical laboratory for TPH (EPA Method 8015 modified) and chlorides (Method 4500 Cl-B). The results of the initial sampling event are summarized in Table 1. Analytical data reports are found in Appendix C.

The analytical results associated with these selected samples were below the RRALs for TPH. Field screening results for chloride in the trench samples (VERT 1, VERT 2, and VERT 3) ranged from 240 mg/kg to 9,809 mg/kg but generally decreased with depth. At VERT 1 and VERT 2, chloride analytical results from 2.5 feet bgs were both below the requirement at 432 and 464 mg/kg respectively. Conversely, at VERT 3, chloride analytical results from 3.5 feet bgs exceeded the 600 mg/kg requirement (896 mg/kg). However, the trench bottom (12' bgs) chloride concentration from VERT 3 was 416 mg/kg, below the requirement.

On July 7, 2016, a Corrective Action Plan was submitted to NMOCD by Basin on behalf of ConocoPhillips. The Corrective Action Plan was not approved by NMOCD. On March 14, 2017, ConocoPhillips and NMOCD discussed the site results. The mutual determination was that additional soil samples were required for proper delineation of the Site.

ADDITIONAL SOIL ASSESSMENT AND ANALYTICAL RESULTS

On August 8, 2017, Tetra Tech personnel were onsite to further evaluate and sample the release area. A drilling rig completed a total of six (6) soil borings in the release area to assess and define the vertical extents (Figure 3) of the release. In correspondence, NMOCD had requested a soil sample be collected from the on-pad impacted area near the facility. However, a sample could not be obtained from the caliche pad due to inaccessibility. Soil samples were collected from the six borings and field screened for organic vapors with a PID and for chlorides using an ExStik. Selected samples were placed into laboratory provided

sample containers, transferred under chain of custody, and analyzed within appropriate holding times by Pace Analytical. The samples were analyzed for TPH by EPA Method 8015 Modified, BTEX by Method 8260B, and chlorides by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The sampling results from the additional assessment are summarized in Table 2. The boring locations are shown on Figure 3.

The sample results were predominantly non-detect for BTEX and TPH analysis, and in all cases below the established RRALs for the Site. However, chloride was detected at concentrations greater than 600 mg/kg in several depth intervals: SB-2 (0-1'); SB-3 (0-1'); SB-4 (0-1'); and SB-6 (2-3'), (6-7'), (9-10'), (14-15'), (24-25').

On March 12, 2018, a Work Plan was submitted to NMOCD on by Tetra Tech on behalf of ConocoPhillips. The Work Plan described the results of the additional release assessment and provided characterization of the impact at the Site. The Work Plan also provided a detailed description of the proposed remediation technique. NMOCD had a few comments in email correspondence, predominantly on the remediation of impacted areas within the fence line (production facility pad) and the impacted soil near Vertical 2. NMOCD also required confirmation bottom and sidewall samples for verification of remedial activities.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From September 4 to December 14, 2018, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the Work Plan, including excavation, disposal and confirmation sampling. The four main excavated areas and depths are shown in Figure 4. The hatched areas shown in Figure 4 were excavated from depths ranging from 6 inches to 4.0 feet below ground surface.

Confirmation samples were collected from sidewalls and at bottom holes of the excavations to confirm that the impacted materials were properly removed. A total of eleven (11) bottom hole samples (AH-1 through AH-11) and twenty-seven (27) sidewall samples were collected. The confirmation samples were placed into laboratory provided sample containers, transferred under chain of custody, and analyzed within appropriate holding times by Pace Analytical. The samples were analyzed for TPH, BTEX, and chlorides. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the confirmation sampling are summarized in Table 3 and below.

The impacted caliche pad area (containing bottom hole samples AH-1 through AH-3) was scraped to a total depth of 6 inches below grade. In accordance with the NMOCD-approved work plan, the impacted soils in this area were excavated to the maximum extent practicable. This area of the excavation was near production equipment on all sides, and the deepening and expansion of the excavation would have posed a safety concern for onsite personnel and would have encroached on subsurface gas lines in the immediate area. The bottom hole and sidewall confirmation sample results in this area were below the RRALs for BTEX and TPH. However, chloride concentrations exceeded the 600 mg/kg requirement at AH-1 and AH-2, as well as at sidewall samples NSW-1, SSW-1, and SSW-2. The remaining contaminants will not pose a threat to present or foreseeable beneficial use of fresh water, public health and the environment.

Immediately to the east of the production facility pad, past the fence line, is the area containing bottom hole samples AH-4 and AH-5, and five (5) sidewall samples (WSW-3, NSW-3, ESW-4, SSW-3, and SSW-4). The area was excavated to a total depth of 3.0 to 4.0 feet bgs, and bottom hole confirmation sample results were below the allowable limit for chlorides at 600 mg/kg, as well as below the RRAL for total TPH, benzene, and total BTEX. All five sidewall sample results from this area were below the RRAL for total TPH, benzene, and total BTEX. Three of the initial sidewall samples were above the limit for chlorides. The initial sidewall sample results from NSW-3, ESW-4 and WSW-3 exceeded the chloride RRAL. The areas of NSW-3 and ESW-4 were expanded and after further excavation, results were below 600 mg/kg. The analytical results for sidewall sample WSW-3 exceeded the limit for chloride, however, this location is on a sidewall shared with the production facility area where further excavation created a safety concern for site personnel due to encroachment issues with production equipment and/or subsurface gas lines.

Further east is the area containing bottom hole samples AH-6 through AH-9, and twelve (12) sidewall samples (NSW-5, NSW-6, NSW-7, NSW-8, NSW-9, SSW-5, SSW-6, SSW-7, SSW-8, SSW-9, ESW-4, and ESW-5). The area was excavated to a total depth of 1-foot bgs, and final bottom hole confirmation sample results were below the RRALs for chlorides, TPH, benzene, and total BTEX. All twelve (12) sidewall sample results from this area were below the RRALs for chlorides, total TPH, benzene, and total BTEX (Table 3).

The southernmost portion of the excavation contained bottom hole samples AH-10 and AH-11, and six (6) sidewall samples (WSW-1, WSW-2, WSW-4, ESW-1, ESW-2, and ESW-3). The area was excavated to a total depth of 4.0 feet below surface with one bottom hole sample result (AH-10) exceeding the chloride limit. For the six (6) sidewall samples collected from this area, after excavation expansions, there were no exceedances for chlorides, total TPH, benzene, and total BTEX above the RRALs (Table 3). The sidewall sample collected at sample location ESW-2 exceeded the laboratory hold time for TPH and was analyzed for chlorides only. However, the low PID reading at ESW-2 (3.5 ppm) and the lack of TPH concentrations exceeding the RRAL for all other sample results in this southernmost portion suggest minimal TPH presence.

Once the excavation in this southernmost area (in the vicinity of bottom hole samples AH-10 and AH-11) was completed, a 40-mil liner was installed in accordance with the Tetra Tech Work Plan. The liner was installed to reduce vertical migration of chlorides. Photographic Documentation is included in Appendix D.

All other excavated areas were backfilled with clean material to grade. The entirety of the excavation, except for the portion on the production pad, was seeded with a State Land Office mixture to complete the site restoration activities. All the excavated material was transported offsite for proper disposal. Approximately 1,600 yards of material were transported to the R360 facility in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix E.

CONCLUSION

Based on the soil assessment and remediation work performed at the site, ConocoPhillips requests closure for this release. The final C-141 form is 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 Pope at (432) 682-4559.

Additionally, Tetra Tech will monitor the re-vegetation in 2019 to confirm that an established perennial grass life cycle covers approximately 70% of the backfilled area. If the area does not meet the State Land Office requirements, the backfill area will be reseeded accordingly and continued to be monitored. Documentation of the re-vegetation will be provided to the State Land Office. If you have any questions or comments, please call me at (512) 338-2861 or Greg Pope 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

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Site Location/Topographic Map
- Figure 3 – Release Assessment Map
- Figure 4 – Excavation Area and Depth Map

Tables:

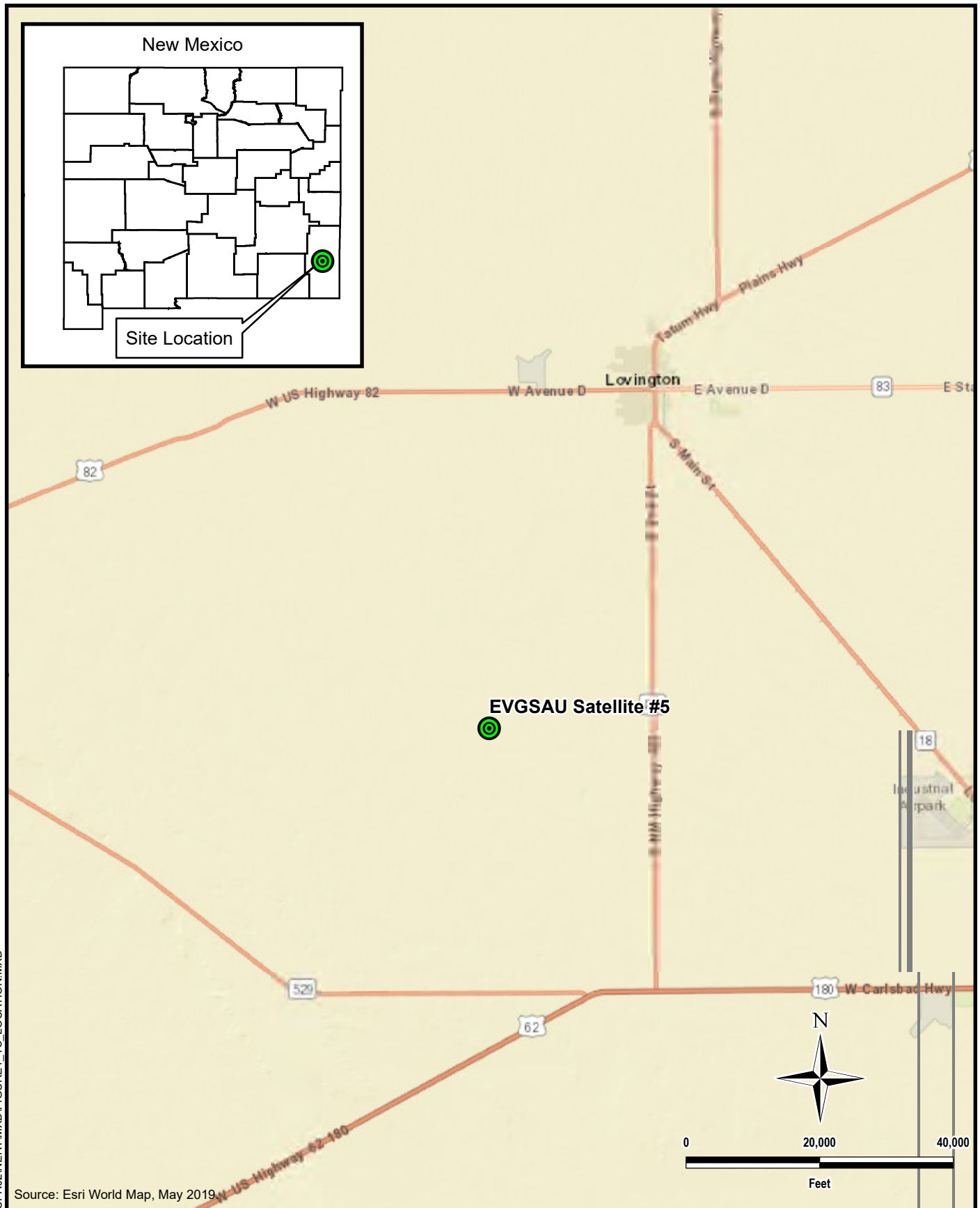
- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – Additional Soil Assessment
- Table 3 – Summary of Analytical Results – Confirmation Sampling Events

Appendices:

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

FIGURES

\\TTS134FS1\SUP-GIS\ARCP\J2\NERT\MXD\FIGURE1_TS_LOCATION.MXD



TETRA TECH

www.tetrattech.com

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

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LEA COUNTY, NEW MEXICO

**EVGSAU SATELLITE #5
OVERVIEW MAP**

PROJECT NO.: 212C-MD-01391

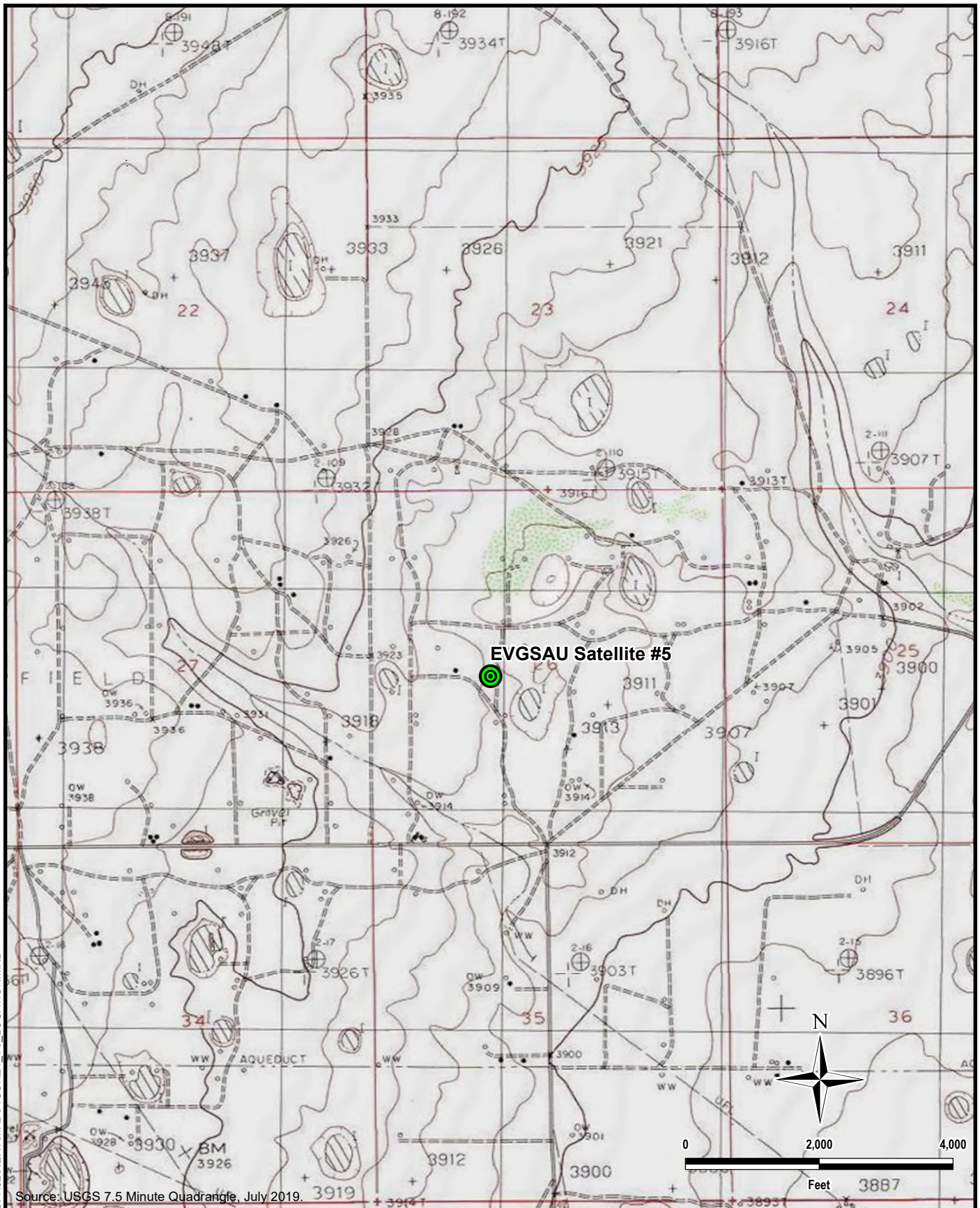
DATE: SEPTEMBER 06, 2019

DESIGNED BY: AAM

Figure No.

1

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



Source: USGS 7.5 Minute Quadrangle, July 2019.



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www.tetrattech.com

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

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**EVGSAU SATELLITE #5
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-01391

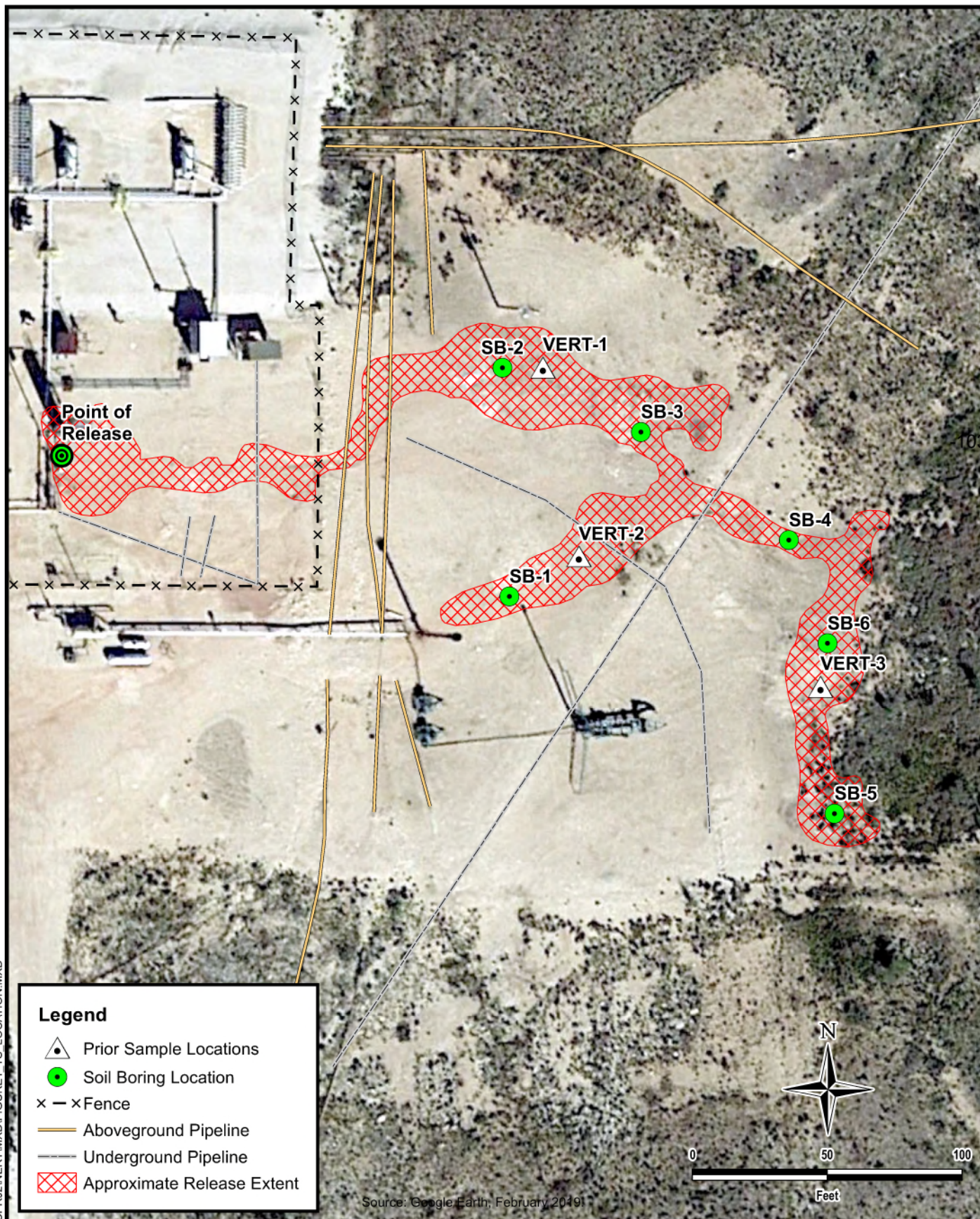
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DESIGNED BY: AAM

Figure No.

2

\\TTS134FS1\SUP-GIS\ARCP\J2N\RTM\XDF\FIGURE1_TS_LOCATION.MXD



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www.tetrattech.com

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

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**EVGSAU SATELLITE #5
RELEASE ASSESSMENT MAP**

PROJECT NO.: 212C-MD-01391

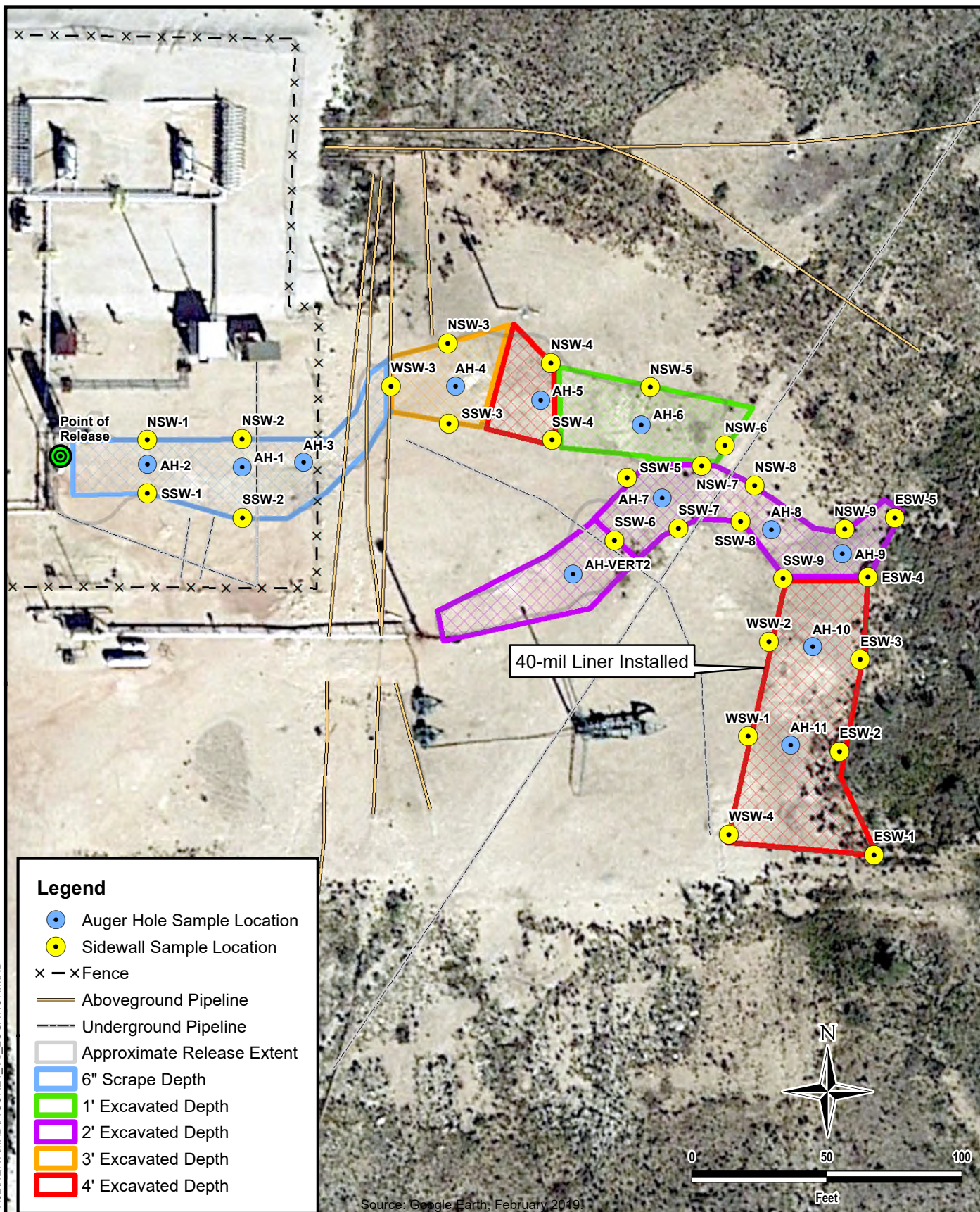
DATE: SEPTEMBER 06, 2019

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Figure No.

3

\\TTS134FS1\SUP-GIS\ARCP\J2\NERT\MXD\FIGURE1_TS_LOCATION.MXD



Legend

- Auger Hole Sample Location
- Sidewall Sample Location
- × — × Fence
- Aboveground Pipeline
- Underground Pipeline
- Approximate Release Extent
- 6" Scrape Depth
- 1' Excavated Depth
- 2' Excavated Depth
- 3' Excavated Depth
- 4' Excavated Depth



TETRA TECH

www.tetrattech.com

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

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EVGSAU SATELLITE #5 EXCAVATION AREA & DEPTH MAP

PROJECT NO.: 212C-MD-01391

DATE: SEPTEMBER 06, 2019

DESIGNED BY: AAM

Figure No.

4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT
1RP-3775
EVGSAU SATELLITE #5
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Field Screening		TPH				Chlorides (mg/kg)
			Field PID* (PPM)	Chlorides* (PPM)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	
VERT 1	06/30/16	Surface	382	9,809	-	-	-	-	-
		0.5	398	3,772	-	-	-	-	-
		1	50.1	1,505	-	-	-	-	-
		1.5	10.7	1,569	-	-	-	-	-
		2	2.3	786	-	-	-	-	-
		2.5	3	-	<10.0	<10.0	-	0.0	432
		3	3	-	<10.0	<10.0	-	0.0	464
		4	9.1	436	-	-	-	-	-
		5	10.9	363	-	-	-	-	-
		6	10.3	268	-	-	-	-	-
		7	11.2	310	-	-	-	-	-
		8	11.1	362	-	-	-	-	-
		9	10.2	378	-	-	-	-	-
		10	1.1	319	-	-	-	-	-
		11	10.1	240	-	-	-	-	-
		12	9.1	-	<10.0	<10.0	-	0.0	352
VERT 2	06/30/16	Surface	228	3,418	-	-	-	-	-
		0.5	37.1	1,656	-	-	-	-	-
		1	32.6	930	-	-	-	-	-
		2	10.1	799	-	-	-	-	-
		2.5	9.4	-	<10.0	<10.0	-	0.0	464.0
		3	11.1	352	-	-	-	-	-
		3.5	10.3	-	<10.0	<10.0	-	0.0	385
VERT 3	06/30/16	Surface	52.1	547	-	-	-	-	-
		0.5	41.1	307	-	-	-	-	-
		1	32.6	930	-	-	-	-	-
		1.5	21.1	598	-	-	-	-	-
		2	10.1	909	-	-	-	-	-
		2.5	11.3	1,011	-	-	-	-	-
		3	7	1,063	-	-	-	-	-
		3.5	6.5	-	<10.0	<10.0	-	0.0	896
		4	3.5	864	-	-	-	-	-
		5	2.2	874	-	-	-	-	-
		6	2.1	789	-	-	-	-	-
		7	1	690	-	-	-	-	-
		8	4.2	834	-	-	-	-	-
		9	4	493	-	-	-	-	-
		10	4.3	412	-	-	-	-	-
		11	3.2	482	-	-	-	-	-
		12	2.2	-	<10.0	<10.0	-	0.0	416

NOTES:

ft. Feet
mg/kg Milligrams per kilogram
ppm Parts per million
TPH Total Petroleum Hydrocarbons
* Field screening measurement
DRO Diesel Range Organics
GRO Gasoline Range Organics
ORO Oil Range Organics
(-) Not Analyzed

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT
1RP-3775
EVGSAU SATELLITE #5
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Field Screening		TPH				BTEX					Chlorides (mg/kg)	Percent Moisture
			PID (PPM)	Chlorides (PPM)	TPH GRO mg/kg	TPH DRO mg/kg	TPH ORO mg/kg	Total TPH mg/kg	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	Total BTEX (ug/kg)		
SB-1	08/08/17	0-1	63.6	814	ND	22.1	38.5	60.6	ND	ND	ND	ND	-	275	27.1
		2-3	52.2	323	-	-	-	-	-	-	-	-	-	187	-
		4-5	51.3	427.0	ND	ND	ND	-	ND	ND	ND	ND	-	350	8.1
		6-7	50.1	331.0	-	-	-	-	-	-	-	-	-	ND	-
		9-10	51.2	442	-	-	-	-	-	-	-	-	-	182	-
		14-15	50.9	303	-	-	-	-	ND	ND	ND	ND	-	353	30.4
SB-2	08/08/17	0-1	51.3	1.67 PPT	ND	37.6	44.5	82.1	ND	ND	ND	ND	-	1970	28.4
		2-3	50.9	629.0	-	-	-	-	-	-	-	-	-	306	-
		4-5	50.4	526.0	ND	ND	ND	-	ND	ND	ND	ND	-	186	24.9
		6-7	50.8	509	-	-	-	-	-	-	-	-	-	236	-
		9-10	50.7	701	-	-	-	-	-	-	-	-	-	218	-
		14-15	40.7	1.02 PPT	-	-	-	-	-	-	-	-	-	409	-
		19-20	50.8	253	ND	ND	ND	-	ND	ND	ND	ND	-	240	36.3
		24-25	11.4	115.0	-	-	-	-	-	-	-	-	-	ND	-
		29-30	10.9	89.5	ND	ND	ND	-	ND	ND	ND	ND	-	ND	37.1
SB-3	08/08/17	0-1	50.0	1.11 PPT	ND	174	307	481	ND	ND	ND	ND	-	698	14.4
		2-3	50.3	518.0	-	-	-	-	-	-	-	-	-	416	-
		4-5	64.2	497.0	-	-	-	-	-	-	-	-	-	439	-
		6-7	111.7	380	ND	ND	ND	-	ND	ND	ND	ND	-	184	24.4
		9-10	69.7	228	-	-	-	-	-	-	-	-	-	157	-
		14-15	52.4	379.0	ND	17.0	22.1	39	ND	ND	ND	ND	-	26.9	21.6
SB-4	08/08/17	0-1	43.1	678	ND	33.0	63.8	96.8	ND	ND	ND	ND	-	652	13.8
		2-3	14.0	407.0	-	-	-	-	-	-	-	-	-	97.8	-
		4-5	52.6	699.0	ND	ND	ND	-	ND	ND	ND	ND	-	288	12.0
		6-7	55.4	484	-	-	-	-	-	-	-	-	-	196	-
		9-10	51.2	470	ND	ND	ND	-	ND	ND	ND	ND	-	314	7.0
		14-15	17.1	412.0	-	-	-	-	-	-	-	-	-	251	-
		19-20	21.8	121	ND	11.5	ND	11.5	ND	ND	ND	ND	-	126	13.5

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT
1RP-3775
EVGSAU SATELLITE #5
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Field Screening		TPH				BTEX					Chlorides (mg/kg)	Percent Moisture
			PID (PPM)	Chlorides (PPM)	TPH GRO mg/kg	TPH DRO mg/kg	TPH ORO mg/kg	Total TPH mg/kg	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	Total BTEX (ug/kg)		
SB-5	08/09/17	0-1	51.0	61	ND	212	278	490	ND	ND	ND	ND	-	ND	12.9
		2-3	51.8	157.0	-	-	-	-	-	-	-	-	-	ND	-
		4-5	53.6	104.0	ND	30.7	75.4	106	ND	ND	ND	ND	-	107	1.1
		6-7	53.2	175	-	-	-	-	-	-	-	-	-	117	-
		9-10	53.3	294	ND	ND	13.4	13.4	ND	ND	ND	ND	-	224	5.1
SB-6	08/09/17	0-1	48.7	510	ND	62.0	117.0	179.0	ND	ND	ND	ND	-	515	6.0
		2-3	46.0	926.0	-	-	-	-	-	-	-	-	-	1,210	-
		4-5	53.8	589.0	ND	22.4	45.8	68.2	ND	ND	ND	ND	-	232	5.0
		6-7	32.3	1.14 PPT	-	-	-	-	-	-	-	-	-	1,260	-
		9-10	51.0	1.16 PPT	-	-	-	-	-	-	-	-	-	1,070	-
		14-15	17.6	1.29 PPT	ND	ND	14.0	14.0	ND	ND	ND	ND	-	1,230	9.8
		19-20	9.8	959.0	-	-	-	-	-	-	-	-	-	785	-
		24-25	5.0	1.07 PPT	ND	ND	ND	-	ND	ND	ND	ND	-	1,470	10.8
		29-30	4.6	747	-	-	-	-	-	-	-	-	-	542	-
		34-35	4.8	345	ND	ND	ND	-	ND	ND	ND	ND	-	281	4.8
		39-40	4.3	278	-	-	-	-	-	-	-	-	-	177	-
		44-45	4.0	91.8	-	-	-	-	-	-	-	-	-	ND	-

NOTES:

ft. Feet
mg/kg Milligrams per kilogram
ppm Parts per million
TPH Total Petroleum Hydrocarbons
* Field screening measurement
DRO Diesel Range Organics
GRO Gasoline Range Organics
ORO Oil Range Organics

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING EVENTS
CONOCOPHILLIPS
1RP-3775
EVGSAU SATELLITE #5
LEA COUNTY, NEW MEXICO

Type	Sample ID	Sample Date	Sample Depth (ft)	Field Screening		TPH							BTEX					Chlorides
				Chloride (PPM)*	PID* (PPM)	TPH GRO (mg/kg)	Qualifier	TPH DRO (mg/kg)	Qualifier	TPH ORO (mg/kg)	Qualifier	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
Bottom Hole Confirmation Locations	AH-1	9/5/2018	(6"- 8")	2410	2.0	< 0.0240		15.3		15.4		30.70	< 0.000443	<0.00139	<0.000587	<0.00530	<0.00530	2,280
	AH-2	9/11/2018	(6"- 8")	4240	1.1	<0.0228		61.3		97.8		159.10	<0.000421	<0.00131	<0.000558	<0.00503	<0.00503	3,530
	AH-3	9/11/2018	(6"- 8")	173	1.9	<0.0232		30.3		70.4		100.70	<0.000427	<0.00134	<0.000566	<0.00511	<0.00511	155
	AH-4	9/14/2018	3'	421	2.3	<0.0252		<1.87		0.399	J	0.40	<0.000465	<0.00145	<0.000616	<0.00555	<0.00555	537
	AH-5	9/14/2018	3'	549	1.8	<0.0237		9.43		7.79		17.22	<0.000438	<0.00137	<0.000580	<0.00523	<0.00523	755
	AH-5	12/12/2018	4'	192	1.6	<0.0248		2.16		1.67	J	3.83	<0.000458	<0.00143	<0.000607	<0.00547	<0.00547	206
	AH-6	9/13/2018	1'	314	1.7	<0.0253		91.5		176		267.50	<0.000467	<0.00146	<0.000618	<0.00558	<0.00558	384
	AH-7	9/18/2018	1'	523	1.5	<0.0242		16.7		18.3		35.00	<0.000447	<0.00140	<0.000592	<0.00534	<0.00534	1,680
	AH-7	10/22/2018	2'	224	2.0	<0.0241		27.9		18.3		46.20	<0.000445	<0.00139	<0.000590	<0.00532	<0.00532	255
	AH-8	9/18/2018	1'	610	1.9	0.359	J	27.2	J	49.6		77.16	<0.000450	<0.00141	<0.000596	<0.00538	<0.00538	1,430
	AH-8	10/22/2018	2'	310	1.8	<0.0242		23		26.5		49.50	<0.000446	<0.00139	<0.000591	<0.00533	<0.00533	260
	AH-9	9/18/2018	1'	410	2.2	0.0439	J	5.45		5.69		11.18	<0.000458	<0.00143	<0.000607	<0.00547	<0.00547	1,660
	AH-9	10/23/2018	2'	138	1.8	<0.0251		<13.9		<2.36		0.00	<0.000462	<0.00145	<0.000613	<0.00553	<0.00553	155
	AH-10**	9/12/2018	4'	1550	2.1	<0.0260		<1.93		1.54	J	1.54	<0.000478	<0.00150	<0.000634	<0.00572	<0.00572	1,310
	AH-10**	9/13/2018	4'	812	2.2	<0.0255		<1.89		<0.322		0.00	<0.000471	<0.00147	<0.000624	<0.00562	<0.00562	1,930
	AH-11**	9/12/2018	4'	502	3.7	<0.0239		11.6		17.8		29.40	<0.000441	<0.00138	<0.000584	<0.00526	<0.00526	161
	AH-VERT2(1')	9/18/2018	1'	1150	1.8	0.0321	J	10.2		11.8		22.03	<0.000442	<0.00138	0.000752	<0.00529	0.000752	2,530
	AH-VERT2(2')	9/18/2018	2'	514	2.1	<0.0243		10.1		9.32		19.42	<0.000447	<0.00140	0.000619	<0.00534	0.000619	1,160
	AH-VERT2(CONFIRMATION)	10/22/2018	2'	137	1.8	<0.0227		16.8		15.5		32.30	<0.000419	<0.00131	<0.000555	<0.00501	<0.00501	217

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING EVENTS
CONOCOPHILLIPS
1RP-3775
EVGSAU SATELLITE #5
LEA COUNTY, NEW MEXICO

Type	Sample ID	Sample Date	Sample Depth (ft)	Field Screening		TPH							BTEX					Chlorides
				Chloride (PPM)*	PID* (PPM)	TPH GRO (mg/kg)	Qualifier	TPH DRO (mg/kg)	Qualifier	TPH ORO (mg/kg)	Qualifier	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
Sidewall Confirmation Samples	ESW-1(2')	9/13/2018	-	516	1.9	<0.0252		19.3	J	55.5		74.80	<0.000464	<0.00145	0.00072	<0.00555	0.00072	267
	ESW-2(4')	10/16/2018	-	128	3.5	-		-		-		-	-		-		-	31
	ESW-3(2')	9/13/2018	-	564	2.1	<0.0251		14.4	J	34.7		49.10	<0.000463	<0.00145	<0.000613	<0.00553	<0.00553	1,860
	ESW-3(6')	10/19/2018	-	383	1.9	0.0251	J	<1.86		3.16		3.19	<0.000462	<0.00144	<0.000612	<0.00552	<0.00552	106
	ESW-4(2')	9/13/2018	-	551	2.0	<0.0249		3.5	J	8.2		11.70	<0.000459	<0.00143	<0.000608	<0.00548	<0.00548	698
	ESW-4(4')	12/12/2018	-	335	2.1	<0.0246		14.2		48		62.20	<0.000453	<0.00142	<0.000600	<0.00541	<0.00541	190
	ESW-5	9/14/2018	-	173	1.5	<0.0250		9.46		23.2		32.66	<0.000460	<0.00144	<0.000610	<0.00550	<0.00550	182
Sidewall Confirmation Samples	NSW-1	9/11/2018	-	9010	1.2	<0.0226		107		177		284.00	<0.000417	<0.00130	<0.000552	<0.00498	<0.00498	10,200
	NSW-2(3')	9/18/2018	-	591	1.5	0.0226	J	28.2		30.2		58.42	<0.000412	<0.00129	<0.000545	<0.00492	<0.00492	718
	NSW-3(2')	9/14/2018	-	588	2.0	<0.0240		2.9	J	2.58	J	5.48	<0.000443	<0.00138	<0.000586	<0.00529	<0.00529	1,300
	NSW-3(4')	12/12/2018	-	188	2.2	<0.0240		3.11		2.53		5.64	<0.000442	<0.00138	<0.000586	<0.00528	<0.00528	165
	NSW-4(2')	9/14/2018	-	332	1.9	<0.0238		90.3		87.5		177.80	<0.000438	<0.00137	<0.000580	<0.00523	<0.00523	260
	NSW-5	9/13/2018	-	269	1.9	<0.0238		30.1		79.7		109.80	<0.000440	<0.00137	<0.000582	<0.00525	<0.00525	554
	NSW-6	9/13/2018	-	254	1.8	<0.0237		173		405		578.00	<0.000437	<0.00137	<0.000579	<0.00522	<0.00522	258
	NSW-7	9/18/2018	-	571	1.9	0.0496	J	70	J	123	J7	193.05	<0.000443	<0.00138	<0.000587	<0.00529	<0.00529	1,630
	NSW-7(1')	10/22/2018	-	490	2.0	0.0306	J	340		479		819.03	<0.000453	<0.00141	<0.000600	<0.00541	<0.00541	356
	NSW-8	9/18/2018	-	569	2.0	0.0307	J	10.6	J	10.4	J	21.03	<0.000449	<0.00140	<0.000595	<0.00537	<0.00537	1,120
	NSW-8(1')	10/22/2018	-	354	1.9	0.0322	J	217		366		583.03	<0.000451	<0.00141	<0.000598	<0.00539	<0.00539	407
	NSW-9	9/14/2018	-	319	2.1	<0.0241		14.3		28.8		43.10	<0.000444	<0.00139	<0.000589	<0.00531	<0.00531	99.7 J3

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING EVENTS
CONOCOPHILLIPS
1RP-3775
EVGSAU SATELLITE #5
LEA COUNTY, NEW MEXICO

Type	Sample ID	Sample Date	Sample Depth (ft)	Field Screening		TPH							BTEX					Chlorides
				Chloride (PPM)*	PID* (PPM)	TPH GRO (mg/kg)	Qualifier	TPH DRO (mg/kg)	Qualifier	TPH ORO (mg/kg)	Qualifier	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
Sidewall Confirmation Samples	SSW-1	9/11/2018	-	5750	1.3	<0.0229		34		53.5		87.50	<0.000422	<0.00132	<0.000559	<0.00504	<0.00504	4,070
	SSW-2(3')	9/18/2018	-	1900	1.9	<0.0235		29		27.5		56.50	<0.000433	<0.00135	0.00075	<0.00517	0.00075	6,312
	SSW-3(2')	9/14/2018	-	514	1.7	<0.0238		43.9		41.2		85.10	<0.000438	<0.00137	<0.000581	<0.00524	<0.00524	406
	SSW-4(2')	9/14/2018	-	291	2.1	<0.0239		19.1		17.9		37.00	<0.000441	<0.00138	<0.000584	<0.00527	<0.00527	216
	SSW-5	9/18/2018	-	455	1.6	0.0307	J	32.8		45.5		78.33	<0.000456	<0.00142	<0.000604	<0.00545	<0.00545	522
	SSW-6	9/18/2018	-	460	1.8	0.0373	J	156		239	J7	395.04	<0.000446	<0.00139	<0.000591	<0.00533	<0.00533	683
	SSW-6(1')	10/22/2018	-	425	2.3	<0.0261		13		17		30.00	<0.000482	<0.00150	<0.000638	<0.00575	<0.00575	534
	SSW-7	9/18/2018	-	446	1.9	0.379	J	136		214		350.38	<0.000446	<0.00139	<0.000591	<0.00533	<0.00533	764
	SSW-7(1')	10/22/2018	-	531	2.2	0.0527	J	90.8		174		264.85	<0.000437	<0.00137	<0.00058	<0.00523	<0.00523	552
	SSW-8	9/18/2018	-	512	2.1	0.0406	J	4.34	J	4.96		9.34	<0.000458	<0.00143	<0.000607	<0.00547	<0.00547	1,010
	SSW-8(1')	10/23/2018	-	410	2.0	0.0265	J	6.25		1.79	J	8.07	<0.0000462	<0.00144	<0.000612	<0.00552	<0.00552	627
	SSW-8(2')	12/12/2018	-	390	2.1	<0.0242		12.7		18.2		30.90	<0.0000446	<0.00139	<0.000591	<0.00533	<0.00533	367
	SSW-9	9/18/2018	-	426	1.8	0.0372	J	2.95	J	3.26	J	6.25	<0.0000453	<0.00142	<0.000601	<0.00542	<0.00542	696
Sidewall Confirmation Samples	SSW-9(1')	10/23/2018	-	504	1.9	0.0832	J	46.3		69.5		115.88	<0.0000471	<0.00147	<0.000624	<0.00563	<0.00563	1,050
	SSW-9(4')	12/12/2018	-	359	1.8	<0.0234		7.82		15.9		23.72	<0.000431	<0.00135	<0.000571	<0.00515	<0.00515	389
	WSW-1(3')	9/14/2018	-	885	1.9	<0.0245		<1.82		1.69	J	1.69	<0.000452	<0.00141	<0.000599	<0.00540	<0.00540	1,250
	WSW-1(5')	10/19/2018	-	385	2.1	<0.0257		1.93	J	3.45	J	5.38	<0.000474	<0.00148	<0.000628	<0.00566	<0.00566	72
	WSW-2(3')	9/13/2018	-	743	1.9	2320		1.99	J	2.7	J	2,324.69	<0.000462	<0.00144	<0.000612	<0.00552	<0.00552	2,320
	WSW-2(5')	10/19/2018	-	419	2.3	<0.0255		2.76	J	5.04		7.80	<0.000470	<0.00147	<0.000623	<0.00552	<0.00552	72
Sidewall Confirmation Samples	WSW-3	9/11/2018	-	1020	2.2	<0.0243		14.4		12.3		26.70	<0.000449	<0.00140	<0.000594	<0.00536	<0.00536	696
	WSW-4	9/12/2018	-	265	1.6	<0.0237		6.24		8.69		14.93	<0.000436	<0.00136	<0.000578	<0.00521	<0.00521	49

NOTES:

ft	Feet	GRO	Gasoline Range Organics
PPM	Parts per million	DRO	Diesel Range Organics
mg/kg	Milligrams per kilogram	ORO	Oil Range Organics
*	Field screening measurement	J	The identification of the analyte is acceptable; the reported value is an estimate.
**	40-mil liner installed at 4' bgs	B	The associated batch QC was outside the established quality control range for precision
TPH	Total Petroleum Hydrocarbons	J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Green highlight represents soil intervals that were removed during expansion of soil excavations

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: Jay Garcia
Address: 29 Vacuum Complex Lane	Telephone No. 575-704-2455
Facility Name: EVGSAU Satellite #05	Facility Type: Well

Surface Owner: NMOCD	Mineral Owner:	API No. 30-025-26395
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LOCATION OF RELEASE

Unit Letter F	Section 26	Township 17S	Range 35E	Feet from the 2496	North/South Line North	Feet from the 1544	East/West Line West	County LEA
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Latitude **32.8062592** Longitude **103.431839** NAD83

NATURE OF RELEASE

Type of Release: Leak	Volume of Release: 31 bbl. produces water & 1 bbl. of oil	Volume Recovered: 39 bbl. produced water & 1 bbl. of oil due to rain storm.
Source of Release: Transfer pump leak	Date and Hour of Occurrence 08/03/2015 3:30 am	Date and Hour of Discovery 08/03/2015 3:30 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Tomas Oberding	
By Whom? Jay Garcia	Date and Hour: 08/03/2015 3:10 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By **[Signature]** 1 **7:22 am**, **04**, **[Signature]**

ENV – Agency Reportable – 31 BPW & 1BO – EVGSAU Satellite 5 – RR II – MCBU – Buckeye – On Monday August 03, 2015 at 0330 MDT, at EVGSAU Satellite 5, MSO received a callout for EVGSAU Satellite 5 shutdown. MSO arrived on location and observed transfer pump had failed resulting in a release of 31 bbls of produced water and 1 bbl of oil, with 29 bbls of produced water and 1 bbl of oil recovered. 10 bbls of rainwater was also recovered in addition to the released fluid. Immediate action was to isolate the pump and turn in a work order for repair and remediation. The affected area will be remediated according to NMOCD and COPC guidelines. This is a Tier 3 PSE.

Consequence: 2 Likelihood: 3 RR: 2

Describe Area Affected and Cleanup Action Taken.*

A discharge of 31BPW & 1BO occurred with 40BBLS recovered with 10 of those BBLS being rainwater. Spill area was 180' X 20', 1/2" deep on caliche pad. Spill area will be remediated.

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: <i>Jay Garcia</i>	OIL CONSERVATION DIVISION Approved by Environmental Specialist: <i>[Signature]</i>
Printed Name: Jay Garcia	

Title: LEAD HSE	Approval Date: 08/04/2015	Expiration Date: 10/04/2015
E-mail Address: <i>jay.c.garcia@conocophillips.com</i>	Conditions of Approval: Discrete site samples required. Delineate and remediate per NMOCD guidelines. Geotagged photos of remediation required. Ensure SLO concurrence/approval	Attached ☐ ogrid 217817 1RP 3775
Date: 08/03/2015 Phone:575-704-2455		

* Attach Additional Sheets If Necessary

pJXK1521626889

nJXK1521626690

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

Water Well Data
Average Depth to Groundwater (ft)
Conoco Phillips - EVGSAU Satellite #5
Lea County, New Mexico

16 South			34 East		
6	5	4	3	2	1
7	8	9	10	11	12
Artesia					
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South			35 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South			36 East		
6	5	4	3	2	1
7	8	9	10	11	12
Lovington					
18	17	16	15	14	13
54	20	21	22 63	23 70	24
70	70	63	61	55	
82	29	28	27	26	25
				63	68
31	32	33	34	35	36
74	65			41	60

17 South			34 East		
6	120	5	4	3	2 80
157					1
Meljamar					
7	8	9	10	11	12
140	140		95	92	115
18	17	16	15 114	14	13
160	113	60	60	79	84
19	20	21	22	23	24
78	140	153	109		
30	29	28	27	26	25
					82
31	32	33	34	35	36

17 South			35 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
40	55				
19	20	21	22	23	24
85	60		49	45	
30	29	28	27	26	25
83		70	76	50	75
31	32	33	34	35	36
106		63	56	65	40

17 South			36 East		
6	5	4	3	2 60	1 83
50		65	60	69	74
7	8	9	10	11	12 44
			43		46
18	17	16	15	14	13
				48	
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South			34 East		
6	5	4	3	2	1
130	105		87	102	107
7	8	9	10	11	12 115
83	148		148	110	92
18	17	16	15 114	14	13
125		108	110	103	96
19	20	21	22	23	24
105	125				
30	29	28	27	26	25
			112		117
31	32	33	34	35	36
				118	

18 South			35 East		
6	5	4	3	2	1
89	69			55	
Buckeye					
7	8	9	10	11 59	12
85			49	48	
18	17 90	16	15	14	13
90	124	75		90	135
19 74	20 85	21	22	23	24
70	50		70		
30	29	28	27	26	25
	95		68	60	
31	32	33	34	35	36
58	80			58	

18 South			36 East		
6	5	4	3	2	1
45	35	65		60	50
7	65	85	10	11	12
				38	40
18	17	16	15	14	13
25			53	55	
19	20	21	22	23	24
	59	58	60	39	28
30	29	28	27	26	25
	55	45	55	55	62
31	32	33	34	35	36
			70		

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
 Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location



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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04881	L	LE		1	3	26		17S	35E	646556	3630644*	137	50	87
L 04951	L	LE		2	2	2	26	17S	35E	647851	3631560*	137	50	87

Average Depth to Water: **50 feet**

Minimum Depth: **50 feet**

Maximum Depth: **50 feet**

Record Count: 2

PLSS Search:

Section(s): 26

Township: 17S

Range: 35E

*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.



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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 01694 POD1	L	LE		4	4	2	22	17S	35E	646220	3632554*	105	48	57
L 01919 POD2	L	LE		1	1	2	29	17S	35E	642410	3631507*	209	55	154
L 02101	L	LE			3	3	09	17S	35E	643261	3635044*	112	67	45
L 02341	L	LE		1	4	2	03	17S	35E	646040	3637535	80	48	32
L 02834	L	LE			2	2	18	17S	35E	641253	3634622*	100	40	60
L 02943	L	LE		4	1	1	20	17S	35E	641780	3632913*	110	60	50
L 03059	L	LE			1	1	11	17S	35E	646465	3636286*	128	75	53
L 03873	L	LE		3	2	1	31	17S	35E	640421	3629674*	230	88	142
L 03874	L	LE		3	1	2	31	17S	35E	640823	3629678*	229	90	139
L 03875	L	LE		3	3	4	30	17S	35E	640818	3630082*	147		
L 03875 POD6	L	LE			3	4	30	17S	35E	640919	3630183*	140	104	36
L 03875 POD7	L	LE			3	4	30	17S	35E	640919	3630183*	140	104	36
L 03875 POD8	L	LE			3	4	30	17S	35E	640919	3630183*	140	104	36
L 03875 S	R	L	LE		3	4	30	17S	35E	640919	3630183*	120	96	24
L 03875 S2	R	L	LE			2	31	17S	35E	641131	3629576*	120	95	25
L 03875 S3	R	L	LE		3	4	30	17S	35E	640919	3630183*	120	95	25
L 03875 S4	L	LE				2	31	17S	35E	641131	3629576*	120		
L 03876	L	LE		3	3	4	30	17S	35E	640818	3630082*	141		
L 03992	L	LE		3	2	2	28	17S	35E	644426	3631327*	125	65	60
L 04066	L	LE			4	2	30	17S	35E	641309	3630994*	116	70	46
L 04247 POD5	L	LE		3	1	3	31	17S	35E	640040	3628781	235	95	140
L 04247 POD6	L	LE		2	1	3	31	17S	35E	640299	3629074	232	117	115
L 04247 POD7	L	LE		1	3	3	31	17S	35E	640054	3628747		240	
L 04287	L	LE			2	1	25	17S	35E	648559	3631469*	105	80	25
L 04490	L	LE			4	2	30	17S	35E	641309	3630994*	110	70	40
L 04503	L	LE				2	24	17S	35E	649145	3632884*	90	43	47

*UTM location was derived from PLSS - see Help

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& no longer serves a
water right file.)

(R=POD has
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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		Q Q Q							X	Y	Depth Well	Depth Water	Water Column
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng					
L 04553	L	LE	1	1	3	36	17S	35E	648093	3629147*		110	60	50
L 04578	L	LE				33	17S	35E	643962	3629198*		126	60	66
L 04586	L	LE	3	3	4	33	17S	35E	644065	3628502*		125	50	75
L 04603	L	LE	3	1	36	17S	35E	648188	3629450*		120	40	80	
L 04618	L	LE	3	3	34	17S	35E	644973	3628611*		128	55	73	
L 04632	L	LE	3	2	35	17S	35E	647382	3629443*		130	40	90	
L 04633	L	LE	2	4	33	17S	35E	644564	3629010*		130	65	65	
L 04710	L	LE				36	17S	35E	648803	3629248*		121	50	71
L 04727	L	LE				34	17S	35E	645576	3629214*		120	45	75
L 04775	L	LE	4	1	34	17S	35E	645365	3629421*		133	68	65	
L 04793	L	LE				34	17S	35E	645576	3629214*		150	50	100
L 04829	L	LE	1	4	20	17S	35E	642499	3632215*		192	60	132	
L 04829 POD7	L	LE	3	3	3	19	17S	35E	640012	3631688*		210	70	140
L 04829 S	L	LE	3	4	32	17S	35E	642554	3628586*		198	85	113	
L 04829 S2	L	LE	4	3	27	17S	35E	645352	3630227*		220	90	130	
L 04829 S3	L	LE	1	3	1	28	17S	35E	643222	3631111*		215	70	145
L 04829 S4	L	LE	2	3	29	17S	35E	642121	3630598*		200	90	110	
L 04829 S5	L	LE	3	1	33	17S	35E	643347	3629400*		220	90	130	
L 04859	L	LE	4	4	4	27	17S	35E	646258	3630135*		145	85	60
L 04875	L	LE	1	1	2	25	17S	35E	648863	3631572*		130	71	59
L 04880	L	LE	2	3	33	17S	35E	643757	3629002*		145	90	55	
L 04881	L	LE	1	3	26	17S	35E	646556	3630644*		137	50	87	
L 04951	L	LE	2	2	2	26	17S	35E	647851	3631560*		137	50	87
L 05207	L	LE				27	17S	35E	645552	3630825*		140	60	80
L 05249 X2	L	LE	4	1	3	24	17S	35E	648242	3632170*		105	85	20
L 05362	L	LE	3	4	4	28	17S	35E	644444	3630117*		140	80	60
L 05381	L	LE	3	3	3	23	17S	35E	646436	3631752*		95	45	50
L 05392	L	LE	1	3	30	17S	35E	640132	3630579*		145	80	65	
L 05394	L	LE	3	2	4	35	17S	35E	647690	3628943*		120	62	58

*UTM location was derived from PLSS - see Help

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(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		Q Q Q							X	Y	Depth Well	Depth Water	Water Column	
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng						
L 05394 S	L	LE	3	1	3	36	17S	35E	648093	3628947*		130	55	75	
L 05439	L	LE	2	3	3	19	17S	35E	640212	3631888*		135	85	50	
L 05514	L	LE		2	2	12	17S	35E	649291	3636316*		124	80	44	
L 05744	L	LE	3	3	2	30	17S	35E	640806	3630889*		122	75	47	
L 05834	R	L	LE	2	2	4	33	17S	35E	644663	3629109*		160	70	90
L 05834 POD5	L	LE	2	2	4	33	17S	35E	644663	3629109*		234	65	169	
L 05834 POD6	L	LE	1	1	4	34	17S	35E	645673	3629122*		234	65	169	
L 05834 POD7	L	LE	1	1	3	35	17S	35E	646481	3629131*		220	64	156	
L 05834 POD8	L	LE	4	1	4	36	17S	35E	649102	3628955*		214	62	152	
L 05850	L	LE	2	2	2	19	17S	35E	641377	3633109*		230			
L 06357	L	LE	1	1	1	06	17S	35E	639916	3637933*		220	80	140	
L 06357 S	L	LE		1	1	30	17S	35E	640119	3631386*		163	85	78	
L 06357 S2	L	LE	3	1	1	30	17S	35E	640018	3631285*		230	130	100	
L 06878	L	LE		1	1	07	17S	35E	640045	3636225*		125	60	65	
L 06940	L	LE	1	4	3	20	17S	35E	642001	3631907*		135	85	50	
L 07012	L	LE	2	3	3	08	17S	35E	641749	3635127*		135	75	60	
L 07024	L	LE	2	2	2	20	17S	35E	642988	3633124*		130	80	50	
L 07380	L	LE	4	4	1	06	17S	35E	640416	3636630		152	80	72	
L 07481	L	LE		3	3	30	17S	35E	640138	3630176*		145	105	40	
L 07481 S	L	LE		3	3	30	17S	35E	640138	3630176*		200	80	120	
L 07481 S	R	L	LE		3	3	30	17S	35E	640138	3630176*		200	80	120
L 07831	L	LE	4	1	1	03	17S	35E	644930	3637777*		161	75	86	
L 09901	L	LE		4	3	23	17S	35E	646940	3631857*		120			
L 09953	L	LE	3	2	4	01	17S	35E	649177	3637021*		150	50	100	
L 09998	L	LE		2	4	16	17S	35E	644489	3633847*		160	90	70	
L 10062	L	LE		2	4	22	17S	35E	646127	3632252*		142	50	92	
L 10067 POD1	L	LE			3	17	17S	35E	642088	3633892		175	55	120	
L 10297	L	LE		1	1	34	17S	35E	644955	3629819*		150	42	108	
L 10404	L	LE	4	4	4	34	17S	35E	646283	3628523*		115	115	0	

*UTM location was derived from PLSS - see Help

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& no longer serves a
water right file.)

(R=POD has
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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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y		Depth Well	Depth Water	Water Column
L 13291 POD1	L	LE	2	4	3	07	17S	35E	640512	3635098			210	86	124
L 13479 POD1	L	LE	2	2	1	34	17S	35E	645495	3630015			80	70	10
L 13479 POD2	L	LE	2	2	1	34	17S	35E	645480	3629941			80	70	10
L 13479 POD3	L	LE	4	4	3	27	17S	35E	645448	3630066			76	70	6
L 13804 POD1	L	LE	2	2	1	31	17S	35E	640572	3629790			157	115	42
L 13804 POD2	L	LE	2	2	1	31	17S	35E	640532	3629826			130	115	15
L 14183 POD1	L	LE	3	2	2	31	17S	35E	641266	3629667			229	106	123
L 14183 POD2	L	LE	3	2	2	31	17S	35E	641304	3629691			227	105	122
L 14183 POD3	L	LE	3	2	2	31	17S	35E	641213	3629731			227	104	123

Average Depth to Water: **76 feet**

Minimum Depth: **40 feet**

Maximum Depth: **240 feet**

Record Count: 93

PLSS Search:

Township: 17S

Range: 35E

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.

APPENDIX C

Laboratory Analytical Data

September 07, 2017

Greg Pope
TetraTech
4000 N. Big Spring St.
Ste 401
Midland, TX 79705

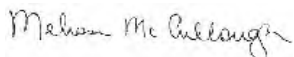
RE: Project: 212C-MD-00936/EVGSAU Sat #5
Pace Project No.: 7572007

Dear Greg Pope:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Melissa McCullough
melissa.mccullough@pacelabs.com
(972)727-1123
Project Manager

Enclosures

cc: Todd Wells, TetraTech



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

Kansas Field Laboratory Accreditation: # E-92587

Missouri Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7572007001	EVGSAU Sat 5 SB-1 (0-1')	Solid	08/08/17 13:00	08/15/17 08:50
7572007002	EVGSAU Sat 5 SB-1 (2-3')	Solid	08/08/17 13:00	08/15/17 08:50
7572007003	EVGSAU Sat 5 SB-1 (4-5')	Solid	08/08/17 13:00	08/15/17 08:50
7572007004	EVGSAU Sat 5 SB-1 (6-7')	Solid	08/08/17 13:00	08/15/17 08:50
7572007005	EVGSAU Sat 5 SB-1 (9-10')	Solid	08/08/17 13:00	08/15/17 08:50
7572007006	EVGSAU Sat 5 SB-1 (14-15')	Solid	08/08/17 13:00	08/15/17 08:50
7572007007	EVGSAU Sat 5 SB-2 (0-1')	Solid	08/08/17 14:00	08/15/17 08:50
7572007008	EVGSAU Sat 5 SB-2 (2-3')	Solid	08/08/17 14:00	08/15/17 08:50
7572007009	EVGSAU Sat 5 SB-2 (4-5')	Solid	08/08/17 14:00	08/15/17 08:50
7572007010	EVGSAU Sat 5 SB-2 (6-7')	Solid	08/08/17 14:00	08/15/17 08:50
7572007011	EVGSAU Sat 5 SB-2 (9-10')	Solid	08/08/17 14:00	08/15/17 08:50
7572007012	EVGSAU Sat 5 SB-2 (14-15')	Solid	08/08/17 14:00	08/15/17 08:50
7572007013	EVGSAU Sat 5 SB-2 (19-20')	Solid	08/08/17 14:00	08/15/17 08:50
7572007014	EVGSAU Sat 5 SB-2 (24-25')	Solid	08/08/17 14:00	08/15/17 08:50
7572007015	EVGSAU Sat 5 SB-2 (29-30')	Solid	08/08/17 14:00	08/15/17 08:50
7572007016	EVGSAU Sat 5 SB-3 (0-1')	Solid	08/08/17 15:00	08/15/17 08:50
7572007017	EVGSAU Sat 5 SB-3 (2-3')	Solid	08/08/17 15:00	08/15/17 08:50
7572007018	EVGSAU Sat 5 SB-3 (4-5')	Solid	08/08/17 15:00	08/15/17 08:50
7572007019	EVGSAU Sat 5 SB-3 (6-7')	Solid	08/08/17 15:00	08/15/17 08:50
7572007020	EVGSAU Sat 5 SB-3 (9-10')	Solid	08/08/17 15:00	08/15/17 08:50
7572007021	EVGSAU Sat 5 SB-3 (14-15')	Solid	08/08/17 15:00	08/15/17 08:50
7572007022	EVGSAU Sat 5 SB-4 (0-1')	Solid	08/08/17 16:00	08/15/17 08:50
7572007023	EVGSAU Sat 5 SB-4 (2-3')	Solid	08/08/17 16:00	08/15/17 08:50
7572007024	EVGSAU Sat 5 SB-4 (4-5')	Solid	08/08/17 16:00	08/15/17 08:50
7572007025	EVGSAU Sat 5 SB-4 (6-7')	Solid	08/08/17 16:00	08/15/17 08:50
7572007026	EVGSAU Sat 5 SB-4 (9-10')	Solid	08/08/17 16:00	08/15/17 08:50
7572007027	EVGSAU Sat 5 SB-4 (14-15')	Solid	08/08/17 16:00	08/15/17 08:50
7572007028	EVGSAU Sat 5 SB-4 (19-20')	Solid	08/08/17 16:00	08/15/17 08:50
7572007029	EVGSAU Sat 5 SB-5 (0-1')	Solid	08/09/17 10:00	08/15/17 08:50
7572007030	EVGSAU Sat 5 SB-5 (2-3')	Solid	08/09/17 10:00	08/15/17 08:50
7572007031	EVGSAU Sat 5 SB-5 (4-5')	Solid	08/09/17 10:00	08/15/17 08:50
7572007032	EVGSAU Sat 5 SB-5 (6-7')	Solid	08/09/17 10:00	08/15/17 08:50
7572007033	EVGSAU Sat 5 SB-5 (9-10')	Solid	08/09/17 10:00	08/15/17 08:50
7572007034	EVGSAU Sat 5 SB-6 (0-1')	Solid	08/09/17 11:35	08/15/17 08:50
7572007035	EVGSAU Sat 5 SB-6 (2-3')	Solid	08/09/17 11:35	08/15/17 08:50
7572007036	EVGSAU Sat 5 SB-6 (4-5')	Solid	08/09/17 11:35	08/15/17 08:50
7572007037	EVGSAU Sat 5 SB-6 (6-7')	Solid	08/09/17 11:35	08/15/17 08:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7572007038	EVGSAU Sat 5 SB-6 (9-10')	Solid	08/09/17 11:35	08/15/17 08:50
7572007039	EVGSAU Sat 5 SB-6 (14-15')	Solid	08/09/17 11:35	08/15/17 08:50
7572007040	EVGSAU Sat 5 SB-6 (19-20')	Solid	08/09/17 11:35	08/15/17 08:50
7572007041	EVGSAU Sat 5 SB-6 (24-25')	Solid	08/09/17 11:35	08/15/17 08:50
7572007042	EVGSAU Sat 5 SB-6 (29-30')	Solid	08/09/17 11:35	08/15/17 08:50
7572007043	EVGSAU Sat 5 SB-6 (24-35')	Solid	08/09/17 11:35	08/15/17 08:50
7572007044	EVGSAU Sat 5 SB-6 (39-40')	Solid	08/09/17 11:35	08/15/17 08:50
7572007045	EVGSAU Sat 5 SB-6 (44-45')	Solid	08/09/17 11:35	08/15/17 08:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7572007001	EVGSAU Sat 5 SB-1 (0-1')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007002	EVGSAU Sat 5 SB-1 (2-3')	EPA 300.0	OL	1	PASI-K
7572007003	EVGSAU Sat 5 SB-1 (4-5')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007004	EVGSAU Sat 5 SB-1 (6-7')	EPA 300.0	OL	1	PASI-K
7572007005	EVGSAU Sat 5 SB-1 (9-10')	EPA 300.0	OL	1	PASI-K
7572007006	EVGSAU Sat 5 SB-1 (14-15')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007007	EVGSAU Sat 5 SB-2 (0-1')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007008	EVGSAU Sat 5 SB-2 (2-3')	EPA 300.0	OL	1	PASI-K
7572007009	EVGSAU Sat 5 SB-2 (4-5')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007010	EVGSAU Sat 5 SB-2 (6-7')	EPA 300.0	OL	1	PASI-K
7572007011	EVGSAU Sat 5 SB-2 (9-10')	EPA 300.0	OL	1	PASI-K
7572007012	EVGSAU Sat 5 SB-2 (14-15')	EPA 300.0	OL	1	PASI-K
7572007013	EVGSAU Sat 5 SB-2 (19-20')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: 212C-MD-00936/EVGSAU Sat #5
 Pace Project No.: 7572007

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7572007014	EVGSAU Sat 5 SB-2 (24-25')	EPA 300.0	OL	1	PASI-K
7572007015	EVGSAU Sat 5 SB-2 (29-30')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007016	EVGSAU Sat 5 SB-3 (0-1')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007017	EVGSAU Sat 5 SB-3 (2-3')	EPA 300.0	OL	1	PASI-K
7572007018	EVGSAU Sat 5 SB-3 (4-5')	EPA 300.0	OL	1	PASI-K
7572007019	EVGSAU Sat 5 SB-3 (6-7')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007020	EVGSAU Sat 5 SB-3 (9-10')	EPA 300.0	OL	1	PASI-K
7572007021	EVGSAU Sat 5 SB-3 (14-15')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007022	EVGSAU Sat 5 SB-4 (0-1')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007023	EVGSAU Sat 5 SB-4 (2-3')	EPA 300.0	OL	1	PASI-K
7572007024	EVGSAU Sat 5 SB-4 (4-5')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007025	EVGSAU Sat 5 SB-4 (6-7')	EPA 300.0	OL	1	PASI-K
7572007026	EVGSAU Sat 5 SB-4 (9-10')	EPA 8015B	AJM	4	PASI-K

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SAMPLE ANALYTE COUNT

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7572007027	EVGSAU Sat 5 SB-4 (14-15')	EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007028	EVGSAU Sat 5 SB-4 (19-20')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007029	EVGSAU Sat 5 SB-5 (0-1')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007030	EVGSAU Sat 5 SB-5 (2-3')	EPA 300.0	OL	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007031	EVGSAU Sat 5 SB-5 (4-5')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007032	EVGSAU Sat 5 SB-5 (6-7')	EPA 300.0	OL	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007033	EVGSAU Sat 5 SB-5 (9-10')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007034	EVGSAU Sat 5 SB-6 (0-1')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007035	EVGSAU Sat 5 SB-6 (2-3')	EPA 300.0	OL	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007036	EVGSAU Sat 5 SB-6 (4-5')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	OL	1	PASI-K
7572007037	EVGSAU Sat 5 SB-6 (6-7')	EPA 300.0	OL	1	PASI-K
7572007038	EVGSAU Sat 5 SB-6 (9-10')	EPA 300.0	OL	1	PASI-K
7572007039	EVGSAU Sat 5 SB-6 (14-15')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007040	EVGSAU Sat 5 SB-6 (19-20')	EPA 300.0	OL	1	PASI-K
7572007041	EVGSAU Sat 5 SB-6 (24-25')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007042	EVGSAU Sat 5 SB-6 (29-30')	EPA 300.0	OL	1	PASI-K
7572007043	EVGSAU Sat 5 SB-6 (24-35')	EPA 8015B	AJM	4	PASI-K
		EPA 8015B	JTK	2	PASI-K
		EPA 8260	JKL	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007044	EVGSAU Sat 5 SB-6 (39-40')	EPA 300.0	OL	1	PASI-K
7572007045	EVGSAU Sat 5 SB-6 (44-45')	EPA 300.0	OL	1	PASI-K

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-1 (0-1') Lab ID: 7572007001 Collected: 08/08/17 13:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	22.1	mg/kg	13.5	1	08/22/17 08:15	08/23/17 21:22		
TPH-ORO (C28-C35)	38.5	mg/kg	13.5	1	08/22/17 08:15	08/23/17 21:22		
Surrogates								
n-Tetracosane (S)	81	%	65-119	1	08/22/17 08:15	08/23/17 21:22	646-31-1	
p-Terphenyl (S)	79	%	41-131	1	08/22/17 08:15	08/23/17 21:22	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	13.4	1	08/18/17 00:00	08/18/17 19:37		
Surrogates								
4-Bromofluorobenzene (S)	93	%	64-122	1	08/18/17 00:00	08/18/17 19:37	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	6.7	1		08/22/17 03:06	71-43-2	
Ethylbenzene	ND	ug/kg	6.7	1		08/22/17 03:06	100-41-4	
Toluene	ND	ug/kg	6.7	1		08/22/17 03:06	108-88-3	
Xylene (Total)	ND	ug/kg	6.7	1		08/22/17 03:06	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	87-112	1		08/22/17 03:06	2037-26-5	
4-Bromofluorobenzene (S)	107	%	87-115	1		08/22/17 03:06	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	85-115	1		08/22/17 03:06	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	27.1	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	275	mg/kg	126	10	08/17/17 13:00	08/18/17 10:19	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-1 (2-3') Lab ID: 7572007002 Collected: 08/08/17 13:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	187	mg/kg	97.8	10	08/17/17 13:00	08/18/17 11:06	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-1 (4-5') Lab ID: 7572007003 Collected: 08/08/17 13:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	10.7	1	08/22/17 08:15	08/23/17 21:32		
TPH-ORO (C28-C35)	ND	mg/kg	10.7	1	08/22/17 08:15	08/23/17 21:32		
Surrogates								
n-Tetracosane (S)	81	%	65-119	1	08/22/17 08:15	08/23/17 21:32	646-31-1	
p-Terphenyl (S)	77	%	41-131	1	08/22/17 08:15	08/23/17 21:32	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	10.9	1	08/18/17 00:00	08/18/17 19:53		
Surrogates								
4-Bromofluorobenzene (S)	100	%	64-122	1	08/18/17 00:00	08/18/17 19:53	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.4	1		08/19/17 04:44	71-43-2	
Ethylbenzene	ND	ug/kg	5.4	1		08/19/17 04:44	100-41-4	
Toluene	ND	ug/kg	5.4	1		08/19/17 04:44	108-88-3	
Xylene (Total)	ND	ug/kg	5.4	1		08/19/17 04:44	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	87-112	1		08/19/17 04:44	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/19/17 04:44	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	85-115	1		08/19/17 04:44	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	8.1	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	350	mg/kg	103	10	08/17/17 13:00	08/18/17 11:22	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-1 (6-7') Lab ID: 7572007004 Collected: 08/08/17 13:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	ND	mg/kg	97.5	10	08/17/17 13:00	08/18/17 12:13	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-1 (9-10') Lab ID: 7572007005 Collected: 08/08/17 13:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	182	mg/kg	101	10	08/17/17 13:00	08/18/17 12:29	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-1 (14-15') Lab ID: 7572007006 Collected: 08/08/17 13:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	ND	mg/kg	14.4	1	08/22/17 08:15	08/23/17 21:41		
TPH-ORO (C28-C35)	ND	mg/kg	14.4	1	08/22/17 08:15	08/23/17 21:41		
Surrogates								
n-Tetracosane (S)	79	%	65-119	1	08/22/17 08:15	08/23/17 21:41	646-31-1	
p-Terphenyl (S)	72	%	41-131	1	08/22/17 08:15	08/23/17 21:41	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	14.3	1	08/18/17 00:00	08/18/17 20:09		
Surrogates								
4-Bromofluorobenzene (S)	94	%	64-122	1	08/18/17 00:00	08/18/17 20:09	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	7.1	1		08/19/17 04:59	71-43-2	
Ethylbenzene	ND	ug/kg	7.1	1		08/19/17 04:59	100-41-4	
Toluene	ND	ug/kg	7.1	1		08/19/17 04:59	108-88-3	
Xylene (Total)	ND	ug/kg	7.1	1		08/19/17 04:59	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%	87-112	1		08/19/17 04:59	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-115	1		08/19/17 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	85-115	1		08/19/17 04:59	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	30.4	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	353	mg/kg	141	10	08/17/17 13:00	08/18/17 12:45	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (0-1') Lab ID: 7572007007 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	37.6	mg/kg	13.9	1	08/22/17 08:15	08/24/17 10:31		
TPH-ORO (C28-C35)	44.5	mg/kg	13.9	1	08/22/17 08:15	08/24/17 10:31		
Surrogates								
n-Tetracosane (S)	76	%	65-119	1	08/22/17 08:15	08/24/17 10:31	646-31-1	
p-Terphenyl (S)	67	%	41-131	1	08/22/17 08:15	08/24/17 10:31	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	13.9	1	08/18/17 00:00	08/18/17 20:25		
Surrogates								
4-Bromofluorobenzene (S)	96	%	64-122	1	08/18/17 00:00	08/18/17 20:25	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	6.9	1		08/22/17 03:21	71-43-2	
Ethylbenzene	ND	ug/kg	6.9	1		08/22/17 03:21	100-41-4	
Toluene	ND	ug/kg	6.9	1		08/22/17 03:21	108-88-3	
Xylene (Total)	ND	ug/kg	6.9	1		08/22/17 03:21	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 03:21	2037-26-5	
4-Bromofluorobenzene (S)	107	%	87-115	1		08/22/17 03:21	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	85-115	1		08/22/17 03:21	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	28.4	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	1970	mg/kg	140	10	08/17/17 13:00	08/18/17 13:01	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (2-3') Lab ID: 7572007008 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	306	mg/kg	100	10	08/17/17 13:00	08/18/17 13:17	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (4-5') Lab ID: 7572007009 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	13.2	1	08/22/17 08:15	08/23/17 22:00		
TPH-ORO (C28-C35)	ND	mg/kg	13.2	1	08/22/17 08:15	08/23/17 22:00		
Surrogates								
n-Tetracosane (S)	82	%	65-119	1	08/22/17 08:15	08/23/17 22:00	646-31-1	
p-Terphenyl (S)	79	%	41-131	1	08/22/17 08:15	08/23/17 22:00	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	13.2	1	08/18/17 00:00	08/20/17 13:25		
Surrogates								
4-Bromofluorobenzene (S)	88	%	64-122	1	08/18/17 00:00	08/20/17 13:25	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	6.8	1		08/19/17 05:30	71-43-2	
Ethylbenzene	ND	ug/kg	6.8	1		08/19/17 05:30	100-41-4	
Toluene	ND	ug/kg	6.8	1		08/19/17 05:30	108-88-3	
Xylene (Total)	ND	ug/kg	6.8	1		08/19/17 05:30	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	87-112	1		08/19/17 05:30	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-115	1		08/19/17 05:30	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	85-115	1		08/19/17 05:30	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	24.9	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	186	mg/kg	126	10	08/17/17 13:00	08/18/17 13:33	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (6-7') Lab ID: 7572007010 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	236	mg/kg	97.1	10	08/17/17 13:00	08/18/17 13:48	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (9-10') Lab ID: 7572007011 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	218	mg/kg	97.5	10	08/17/17 13:00	08/18/17 14:20	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (14-15') Lab ID: 7572007012 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	409	mg/kg	98.2	10	08/17/17 13:00	08/18/17 14:36	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (19-20') Lab ID: 7572007013 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	30.1	1	08/22/17 08:15	08/23/17 22:10		
TPH-ORO (C28-C35)	ND	mg/kg	30.1	1	08/22/17 08:15	08/23/17 22:10		
Surrogates								
n-Tetracosane (S)	83	%	65-119	1	08/22/17 08:15	08/23/17 22:10	646-31-1	
p-Terphenyl (S)	80	%	41-131	1	08/22/17 08:15	08/23/17 22:10	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	15.4	1	08/18/17 00:00	08/20/17 13:41		
Surrogates								
4-Bromofluorobenzene (S)	90	%	64-122	1	08/18/17 00:00	08/20/17 13:41	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	7.8	1		08/22/17 03:37	71-43-2	
Ethylbenzene	ND	ug/kg	7.8	1		08/22/17 03:37	100-41-4	
Toluene	ND	ug/kg	7.8	1		08/22/17 03:37	108-88-3	
Xylene (Total)	ND	ug/kg	7.8	1		08/22/17 03:37	1330-20-7	
Surrogates								
Toluene-d8 (S)	104	%	87-112	1		08/22/17 03:37	2037-26-5	
4-Bromofluorobenzene (S)	112	%	87-115	1		08/22/17 03:37	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	85-115	1		08/22/17 03:37	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	36.3	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	240	mg/kg	147	10	08/17/17 13:00	08/18/17 15:24	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (24-25') Lab ID: 7572007014 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	ND	mg/kg	97.8	10	08/17/17 13:00	08/18/17 15:40	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-2 (29-30') Lab ID: 7572007015 Collected: 08/08/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	ND	mg/kg	30.1	1	08/22/17 08:15	08/23/17 22:19		
TPH-ORO (C28-C35)	ND	mg/kg	30.1	1	08/22/17 08:15	08/23/17 22:19		
Surrogates								
n-Tetracosane (S)	80	%	65-119	1	08/22/17 08:15	08/23/17 22:19	646-31-1	
p-Terphenyl (S)	77	%	41-131	1	08/22/17 08:15	08/23/17 22:19	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	15.7	1	08/18/17 00:00	08/20/17 13:57		
Surrogates								
4-Bromofluorobenzene (S)	89	%	64-122	1	08/18/17 00:00	08/20/17 13:57	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	8.1	1		08/22/17 14:34	71-43-2	L1
Ethylbenzene	ND	ug/kg	8.1	1		08/22/17 14:34	100-41-4	
Toluene	ND	ug/kg	8.1	1		08/22/17 14:34	108-88-3	L1
Xylene (Total)	ND	ug/kg	8.1	1		08/22/17 14:34	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 14:34	2037-26-5	1t
4-Bromofluorobenzene (S)	110	%	87-115	1		08/22/17 14:34	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	85-115	1		08/22/17 14:34	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	37.1	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	ND	mg/kg	159	10	08/17/17 13:00	08/18/17 15:56	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-3 (0-1') Lab ID: 7572007016 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	174	mg/kg	11.7	1	08/22/17 08:15	08/24/17 10:40		
TPH-ORO (C28-C35)	307	mg/kg	11.7	1	08/22/17 08:15	08/24/17 10:40		
Surrogates								
n-Tetracosane (S)	81	%	65-119	1	08/22/17 08:15	08/24/17 10:40	646-31-1	
p-Terphenyl (S)	81	%	41-131	1	08/22/17 08:15	08/24/17 10:40	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	11.5	1	08/18/17 00:00	08/20/17 14:13		
Surrogates								
4-Bromofluorobenzene (S)	91	%	64-122	1	08/18/17 00:00	08/20/17 14:13	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.9	1		08/22/17 14:50	71-43-2	L1
Ethylbenzene	ND	ug/kg	5.9	1		08/22/17 14:50	100-41-4	
Toluene	ND	ug/kg	5.9	1		08/22/17 14:50	108-88-3	L1
Xylene (Total)	ND	ug/kg	5.9	1		08/22/17 14:50	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	87-112	1		08/22/17 14:50	2037-26-5	1t
4-Bromofluorobenzene (S)	119	%	87-115	1		08/22/17 14:50	460-00-4	S1
1,2-Dichloroethane-d4 (S)	103	%	85-115	1		08/22/17 14:50	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	14.4	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	698	mg/kg	115	10	08/17/17 13:00	08/18/17 16:12	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-3 (2-3') Lab ID: 7572007017 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	416	mg/kg	100	10	08/17/17 13:00	08/18/17 16:27	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-3 (4-5') Lab ID: 7572007018 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	439	mg/kg	100	10	08/17/17 13:00	08/18/17 16:43	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-3 (6-7') Lab ID: 7572007019 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	26.3	1	08/22/17 08:15	08/23/17 22:38		
TPH-ORO (C28-C35)	ND	mg/kg	26.3	1	08/22/17 08:15	08/23/17 22:38		
Surrogates								
n-Tetracosane (S)	80	%	65-119	1	08/22/17 08:15	08/23/17 22:38	646-31-1	
p-Terphenyl (S)	77	%	41-131	1	08/22/17 08:15	08/23/17 22:38	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	13.0	1	08/18/17 00:00	08/20/17 14:29		
Surrogates								
4-Bromofluorobenzene (S)	89	%	64-122	1	08/18/17 00:00	08/20/17 14:29	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	6.7	1		08/22/17 04:54	71-43-2	
Ethylbenzene	ND	ug/kg	6.7	1		08/22/17 04:54	100-41-4	
Toluene	ND	ug/kg	6.7	1		08/22/17 04:54	108-88-3	
Xylene (Total)	ND	ug/kg	6.7	1		08/22/17 04:54	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	87-112	1		08/22/17 04:54	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-115	1		08/22/17 04:54	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	85-115	1		08/22/17 04:54	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	24.4	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	184	mg/kg	126	10	08/17/17 13:00	08/18/17 16:59	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-3 (9-10') Lab ID: 7572007020 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	157	mg/kg	99.2	10	08/17/17 13:00	08/18/17 17:15	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-3 (14-15') Lab ID: 7572007021 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	17.0	mg/kg	12.7	1	08/22/17 08:15	08/23/17 22:48		
TPH-ORO (C28-C35)	22.1	mg/kg	12.7	1	08/22/17 08:15	08/23/17 22:48		
Surrogates								
n-Tetracosane (S)	93	%	65-119	1	08/22/17 08:15	08/23/17 22:48	646-31-1	
p-Terphenyl (S)	87	%	41-131	1	08/22/17 08:15	08/23/17 22:48	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	12.6	1	08/18/17 00:00	08/20/17 14:44		
Surrogates								
4-Bromofluorobenzene (S)	94	%	64-122	1	08/18/17 00:00	08/20/17 14:44	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	6.5	1		08/22/17 05:10	71-43-2	
Ethylbenzene	ND	ug/kg	6.5	1		08/22/17 05:10	100-41-4	
Toluene	ND	ug/kg	6.5	1		08/22/17 05:10	108-88-3	
Xylene (Total)	ND	ug/kg	6.5	1		08/22/17 05:10	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	87-112	1		08/22/17 05:10	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-115	1		08/22/17 05:10	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	85-115	1		08/22/17 05:10	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	21.6	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	26.9	mg/kg	11.9	10	08/17/17 13:00	08/18/17 18:35	16887-00-6	M1

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (0-1') Lab ID: 7572007022 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	33.0	mg/kg	11.5	1	08/22/17 08:15	08/23/17 22:57		
TPH-ORO (C28-C35)	63.8	mg/kg	11.5	1	08/22/17 08:15	08/23/17 22:57		
Surrogates								
n-Tetracosane (S)	102	%	65-119	1	08/22/17 08:15	08/23/17 22:57	646-31-1	
p-Terphenyl (S)	95	%	41-131	1	08/22/17 08:15	08/23/17 22:57	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	11.4	1	08/18/17 00:00	08/20/17 15:00		
Surrogates								
4-Bromofluorobenzene (S)	88	%	64-122	1	08/18/17 00:00	08/20/17 15:00	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.7	1		08/22/17 05:26	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1		08/22/17 05:26	100-41-4	
Toluene	ND	ug/kg	5.7	1		08/22/17 05:26	108-88-3	
Xylene (Total)	ND	ug/kg	5.7	1		08/22/17 05:26	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 05:26	2037-26-5	
4-Bromofluorobenzene (S)	107	%	87-115	1		08/22/17 05:26	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	85-115	1		08/22/17 05:26	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	13.8	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	652	mg/kg	113	10	08/17/17 13:00	08/18/17 19:22	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (2-3') Lab ID: 7572007023 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	97.8	mg/kg	97.3	10	08/17/17 13:00	08/18/17 19:38	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (4-5') Lab ID: 7572007024 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	11.2	1	08/22/17 08:15	08/23/17 23:07		
TPH-ORO (C28-C35)	ND	mg/kg	11.2	1	08/22/17 08:15	08/23/17 23:07		
Surrogates								
n-Tetracosane (S)	78	%	65-119	1	08/22/17 08:15	08/23/17 23:07	646-31-1	
p-Terphenyl (S)	77	%	41-131	1	08/22/17 08:15	08/23/17 23:07	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	11.3	1	08/18/17 00:00	08/20/17 15:16		
Surrogates								
4-Bromofluorobenzene (S)	96	%	64-122	1	08/18/17 00:00	08/20/17 15:16	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.6	1		08/22/17 05:41	71-43-2	
Ethylbenzene	ND	ug/kg	5.6	1		08/22/17 05:41	100-41-4	
Toluene	ND	ug/kg	5.6	1		08/22/17 05:41	108-88-3	
Xylene (Total)	ND	ug/kg	5.6	1		08/22/17 05:41	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	87-112	1		08/22/17 05:41	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/22/17 05:41	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	85-115	1		08/22/17 05:41	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	12.0	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	288	mg/kg	113	10	08/17/17 13:00	08/18/17 19:54	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (6-7') Lab ID: 7572007025 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	196	mg/kg	96.5	10	08/17/17 13:00	08/18/17 20:10	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (9-10') Lab ID: 7572007026 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	10.6	1	08/22/17 08:15	08/23/17 23:16		
TPH-ORO (C28-C35)	ND	mg/kg	10.6	1	08/22/17 08:15	08/23/17 23:16		
Surrogates								
n-Tetracosane (S)	71	%	65-119	1	08/22/17 08:15	08/23/17 23:16	646-31-1	
p-Terphenyl (S)	68	%	41-131	1	08/22/17 08:15	08/23/17 23:16	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	10.7	1	08/18/17 00:00	08/21/17 12:26		
Surrogates								
4-Bromofluorobenzene (S)	103	%	64-122	1	08/18/17 00:00	08/21/17 12:26	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.4	1		08/22/17 05:57	71-43-2	
Ethylbenzene	ND	ug/kg	5.4	1		08/22/17 05:57	100-41-4	
Toluene	ND	ug/kg	5.4	1		08/22/17 05:57	108-88-3	
Xylene (Total)	ND	ug/kg	5.4	1		08/22/17 05:57	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 05:57	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-115	1		08/22/17 05:57	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	85-115	1		08/22/17 05:57	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	7.0	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	314	mg/kg	104	10	08/17/17 13:00	08/18/17 20:26	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (14-15') Lab ID: 7572007027 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	251	mg/kg	102	10	08/17/17 13:00	08/18/17 20:42	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-4 (19-20') Lab ID: 7572007028 Collected: 08/08/17 16:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	ND	mg/kg	11.4	1	08/22/17 08:15	08/23/17 23:26		
TPH-ORO (C28-C35)	11.5	mg/kg	11.4	1	08/22/17 08:15	08/23/17 23:26		
Surrogates								
n-Tetracosane (S)	86	%	65-119	1	08/22/17 08:15	08/23/17 23:26	646-31-1	
p-Terphenyl (S)	82	%	41-131	1	08/22/17 08:15	08/23/17 23:26	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	11.5	1	08/18/17 00:00	08/21/17 12:42		
Surrogates								
4-Bromofluorobenzene (S)	102	%	64-122	1	08/18/17 00:00	08/21/17 12:42	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	5.9	1		08/22/17 06:12	71-43-2	
Ethylbenzene	ND	ug/kg	5.9	1		08/22/17 06:12	100-41-4	
Toluene	ND	ug/kg	5.9	1		08/22/17 06:12	108-88-3	
Xylene (Total)	ND	ug/kg	5.9	1		08/22/17 06:12	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 06:12	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-115	1		08/22/17 06:12	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	85-115	1		08/22/17 06:12	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	13.5	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	126	mg/kg	117	10	08/17/17 13:00	08/18/17 20:58	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-5 (0-1') Lab ID: 7572007029 Collected: 08/09/17 10:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	212	mg/kg	11.0	1	08/23/17 08:36	08/24/17 10:50		M1,R1
TPH-ORO (C28-C35)	278	mg/kg	11.0	1	08/23/17 08:36	08/24/17 10:50		
Surrogates								
n-Tetracosane (S)	84	%	65-119	1	08/23/17 08:36	08/24/17 10:50	646-31-1	
p-Terphenyl (S)	80	%	41-131	1	08/23/17 08:36	08/24/17 10:50	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	11.3	1	08/18/17 00:00	08/21/17 12:58		
Surrogates								
4-Bromofluorobenzene (S)	98	%	64-122	1	08/18/17 00:00	08/21/17 12:58	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.7	1		08/23/17 21:06	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1		08/23/17 21:06	100-41-4	
Toluene	ND	ug/kg	5.7	1		08/23/17 21:06	108-88-3	
Xylene (Total)	ND	ug/kg	5.7	1		08/23/17 21:06	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	87-112	1		08/23/17 21:06	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/23/17 21:06	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	85-115	1		08/23/17 21:06	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	12.9	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	ND	mg/kg	113	10	08/17/17 13:00	08/18/17 21:46	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-5 (2-3') Lab ID: 7572007030 Collected: 08/09/17 10:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	ND	mg/kg	98.0	10	08/17/17 13:00	08/18/17 22:02	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-5 (4-5') Lab ID: 7572007031 Collected: 08/09/17 10:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	30.7	mg/kg	9.8	1	08/23/17 08:36	08/24/17 11:18		
TPH-ORO (C28-C35)	75.4	mg/kg	9.8	1	08/23/17 08:36	08/24/17 11:18		
Surrogates								
n-Tetracosane (S)	93	%	65-119	1	08/23/17 08:36	08/24/17 11:18	646-31-1	
p-Terphenyl (S)	84	%	41-131	1	08/23/17 08:36	08/24/17 11:18	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	10	1	08/18/17 00:00	08/21/17 13:14		
Surrogates								
4-Bromofluorobenzene (S)	105	%	64-122	1	08/18/17 00:00	08/21/17 13:14	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	5.2	1		08/22/17 18:35	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1		08/22/17 18:35	100-41-4	
Toluene	ND	ug/kg	5.2	1		08/22/17 18:35	108-88-3	
Xylene (Total)	ND	ug/kg	5.2	1		08/22/17 18:35	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	87-112	1		08/22/17 18:35	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/22/17 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	85-115	1		08/22/17 18:35	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	1.1	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	107	mg/kg	101	10	08/17/17 13:00	08/18/17 22:33	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-5 (6-7') Lab ID: 7572007032 Collected: 08/09/17 10:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	117	mg/kg	98.6	10	08/17/17 13:00	08/18/17 22:49	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-5 (9-10') Lab ID: 7572007033 Collected: 08/09/17 10:00 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics								
Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	ND	mg/kg	10.5	1	08/23/17 08:36	08/24/17 11:28		
TPH-ORO (C28-C35)	13.4	mg/kg	10.5	1	08/23/17 08:36	08/24/17 11:28		
Surrogates								
n-Tetracosane (S)	75	%	65-119	1	08/23/17 08:36	08/24/17 11:28	646-31-1	
p-Terphenyl (S)	74	%	41-131	1	08/23/17 08:36	08/24/17 11:28	92-94-4	
Gasoline Range Organics								
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	10.4	1	08/18/17 00:00	08/21/17 13:30		
Surrogates								
4-Bromofluorobenzene (S)	104	%	64-122	1	08/18/17 00:00	08/21/17 13:30	460-00-4	
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Benzene	ND	ug/kg	5.2	1		08/23/17 21:22	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1		08/23/17 21:22	100-41-4	
Toluene	ND	ug/kg	5.2	1		08/23/17 21:22	108-88-3	
Xylene (Total)	ND	ug/kg	5.2	1		08/23/17 21:22	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	87-112	1		08/23/17 21:22	2037-26-5	
4-Bromofluorobenzene (S)	105	%	87-115	1		08/23/17 21:22	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	85-115	1		08/23/17 21:22	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Percent Moisture	5.1	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	224	mg/kg	103	10	08/17/17 13:00	08/18/17 23:05	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (0-1') Lab ID: 7572007034 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	62.0	mg/kg	10.5	1	08/23/17 08:36	08/24/17 11:37		
TPH-ORO (C28-C35)	117	mg/kg	10.5	1	08/23/17 08:36	08/24/17 11:37		
Surrogates								
n-Tetracosane (S)	99	%	65-119	1	08/23/17 08:36	08/24/17 11:37	646-31-1	
p-Terphenyl (S)	88	%	41-131	1	08/23/17 08:36	08/24/17 11:37	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	10.5	1	08/18/17 00:00	08/21/17 13:46		
Surrogates								
4-Bromofluorobenzene (S)	93	%	64-122	1	08/18/17 00:00	08/21/17 13:46	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.3	1		08/22/17 19:08	71-43-2	
Ethylbenzene	ND	ug/kg	5.3	1		08/22/17 19:08	100-41-4	
Toluene	ND	ug/kg	5.3	1		08/22/17 19:08	108-88-3	
Xylene (Total)	ND	ug/kg	5.3	1		08/22/17 19:08	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 19:08	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/22/17 19:08	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	85-115	1		08/22/17 19:08	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	6.0	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	515	mg/kg	104	10	08/17/17 13:00	08/18/17 23:21	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (2-3') Lab ID: 7572007035 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	1210	mg/kg	96.7	10	08/17/17 13:00	08/18/17 23:37	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (4-5') Lab ID: 7572007036 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	22.4	mg/kg	10.5	1	08/23/17 08:36	08/24/17 11:47		
TPH-ORO (C28-C35)	45.8	mg/kg	10.5	1	08/23/17 08:36	08/24/17 11:47		
Surrogates								
n-Tetracosane (S)	100	%	65-119	1	08/23/17 08:36	08/24/17 11:47	646-31-1	
p-Terphenyl (S)	97	%	41-131	1	08/23/17 08:36	08/24/17 11:47	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	10.5	1	08/20/17 00:00	08/21/17 19:09		
Surrogates								
4-Bromofluorobenzene (S)	94	%	64-122	1	08/20/17 00:00	08/21/17 19:09	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.2	1		08/22/17 19:24	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1		08/22/17 19:24	100-41-4	
Toluene	ND	ug/kg	5.2	1		08/22/17 19:24	108-88-3	
Xylene (Total)	ND	ug/kg	5.2	1		08/22/17 19:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	87-112	1		08/22/17 19:24	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-115	1		08/22/17 19:24	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	85-115	1		08/22/17 19:24	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	5.0	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	232	mg/kg	100	10	08/17/17 13:00	08/18/17 23:53	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (6-7') Lab ID: 7572007037 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	1260	mg/kg	99.4	10	08/17/17 13:00	08/19/17 00:09	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (9-10') Lab ID: 7572007038 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	1070	mg/kg	96.3	10	08/17/17 13:00	08/19/17 00:56	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (14-15') Lab ID: 7572007039 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	ND	mg/kg	10.8	1	08/23/17 08:36	08/24/17 11:56		
TPH-ORO (C28-C35)	14.0	mg/kg	10.8	1	08/23/17 08:36	08/24/17 11:56		
Surrogates								
n-Tetracosane (S)	71	%	65-119	1	08/23/17 08:36	08/24/17 11:56	646-31-1	
p-Terphenyl (S)	70	%	41-131	1	08/23/17 08:36	08/24/17 11:56	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	11.1	1	08/20/17 00:00	08/21/17 19:25		
Surrogates								
4-Bromofluorobenzene (S)	92	%	64-122	1	08/20/17 00:00	08/21/17 19:25	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	5.4	1		08/22/17 19:40	71-43-2	
Ethylbenzene	ND	ug/kg	5.4	1		08/22/17 19:40	100-41-4	
Toluene	ND	ug/kg	5.4	1		08/22/17 19:40	108-88-3	
Xylene (Total)	ND	ug/kg	5.4	1		08/22/17 19:40	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	87-112	1		08/22/17 19:40	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/22/17 19:40	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	85-115	1		08/22/17 19:40	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	9.8	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	1230	mg/kg	108	10	08/17/17 13:00	08/19/17 01:12	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (19-20') Lab ID: 7572007040 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	785	mg/kg	99.4	10	08/17/17 13:00	08/19/17 01:28	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (24-25') Lab ID: 7572007041 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3546						
TPH-DRO (C10-C28)	ND	mg/kg	11.1	1	08/23/17 08:36	08/24/17 12:06		
TPH-ORO (C28-C35)	ND	mg/kg	11.1	1	08/23/17 08:36	08/24/17 12:06		
Surrogates								
n-Tetracosane (S)	80	%	65-119	1	08/23/17 08:36	08/24/17 12:06	646-31-1	
p-Terphenyl (S)	79	%	41-131	1	08/23/17 08:36	08/24/17 12:06	92-94-4	
Gasoline Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B						
TPH-GRO	ND	mg/kg	11.2	1	08/20/17 00:00	08/21/17 19:42		
Surrogates								
4-Bromofluorobenzene (S)	102	%	64-122	1	08/20/17 00:00	08/21/17 19:42	460-00-4	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	5.7	1		08/22/17 19:56	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1		08/22/17 19:56	100-41-4	
Toluene	ND	ug/kg	5.7	1		08/22/17 19:56	108-88-3	
Xylene (Total)	ND	ug/kg	5.7	1		08/22/17 19:56	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	87-112	1		08/22/17 19:56	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-115	1		08/22/17 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	85-115	1		08/22/17 19:56	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	10.8	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Chloride	1470	mg/kg	113	10	08/18/17 11:00	08/18/17 20:19	16887-00-6	M1

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (29-30') Lab ID: 7572007042 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	542	mg/kg	99.2	10	08/18/17 11:00	08/18/17 20:58	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (24-35') Lab ID: 7572007043 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 3546								
TPH-DRO (C10-C28)	ND	mg/kg	10.4	1	08/23/17 08:36	08/24/17 12:15		
TPH-ORO (C28-C35)	ND	mg/kg	10.4	1	08/23/17 08:36	08/24/17 12:15		
Surrogates								
n-Tetracosane (S)	74	%	65-119	1	08/23/17 08:36	08/24/17 12:15	646-31-1	
p-Terphenyl (S)	75	%	41-131	1	08/23/17 08:36	08/24/17 12:15	92-94-4	
Gasoline Range Organics Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B								
TPH-GRO	ND	mg/kg	10.4	1	08/20/17 00:00	08/21/17 19:57		
Surrogates								
4-Bromofluorobenzene (S)	87	%	64-122	1	08/20/17 00:00	08/21/17 19:57	460-00-4	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Benzene	ND	ug/kg	5.3	1		08/22/17 20:12	71-43-2	
Ethylbenzene	ND	ug/kg	5.3	1		08/22/17 20:12	100-41-4	
Toluene	ND	ug/kg	5.3	1		08/22/17 20:12	108-88-3	
Xylene (Total)	ND	ug/kg	5.3	1		08/22/17 20:12	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	87-112	1		08/22/17 20:12	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-115	1		08/22/17 20:12	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	85-115	1		08/22/17 20:12	17060-07-0	
Percent Moisture Analytical Method: ASTM D2974								
Percent Moisture	4.8	%	0.50	1		08/22/17 00:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	281	mg/kg	104	10	08/18/17 11:00	08/18/17 21:11	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (39-40') Lab ID: 7572007044 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	177	mg/kg	98.0	10	08/18/17 11:00	08/18/17 21:49	16887-00-6	

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ANALYTICAL RESULTS

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Sample: EVGSAU Sat 5 SB-6 (44-45') Lab ID: 7572007045 Collected: 08/09/17 11:35 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0								
Chloride	ND	mg/kg	96.0	10	08/18/17 11:00	08/18/17 22:02	16887-00-6	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490358 Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 7572007001, 7572007003, 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028, 7572007029, 7572007031, 7572007033, 7572007034

METHOD BLANK: 2007289 Matrix: Solid
Associated Lab Samples: 7572007001, 7572007003, 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028, 7572007029, 7572007031, 7572007033, 7572007034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10	08/18/17 18:18	
4-Bromofluorobenzene (S)	%	102	64-122	08/18/17 18:18	

METHOD BLANK: 2009097 Matrix: Solid
Associated Lab Samples: 7572007001, 7572007003, 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028, 7572007029, 7572007031, 7572007033, 7572007034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/20/17 13:10	
4-Bromofluorobenzene (S)	%	96	64-122	08/20/17 13:10	

METHOD BLANK: 2009805 Matrix: Solid
Associated Lab Samples: 7572007001, 7572007003, 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028, 7572007029, 7572007031, 7572007033, 7572007034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/21/17 11:30	
4-Bromofluorobenzene (S)	%	103	64-122	08/21/17 11:30	

LABORATORY CONTROL SAMPLE: 2007290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	49.9	52.2	105	85-130	
4-Bromofluorobenzene (S)	%			100	64-122	

LABORATORY CONTROL SAMPLE: 2009098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	51.9	104	85-130	
4-Bromofluorobenzene (S)	%			94	64-122	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

LABORATORY CONTROL SAMPLE: 2009806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	55.8	112	85-130	
4-Bromofluorobenzene (S)	%			102	64-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2007291 2007292

Parameter	Units	7572003013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	60	60	64.5	63.9	106	105	85-125	1	12	
4-Bromofluorobenzene (S)	%						99	91	64-122			

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490632 Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 7572007036, 7572007039, 7572007041, 7572007043

METHOD BLANK: 2008512 Matrix: Solid
Associated Lab Samples: 7572007036, 7572007039, 7572007041, 7572007043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	08/21/17 15:45	
4-Bromofluorobenzene (S)	%	112	64-122	08/21/17 15:45	

LABORATORY CONTROL SAMPLE: 2008513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	48.4	97	85-130	
4-Bromofluorobenzene (S)	%			109	64-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2008514 2008515

Parameter	Units	7572002014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	56	56	58.0	56.0	102	98	85-125	4	12	
4-Bromofluorobenzene (S)	%						101	87	64-122			

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490534 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 7572007003, 7572007006, 7572007009

METHOD BLANK: 2008099 Matrix: Solid

Associated Lab Samples: 7572007003, 7572007006, 7572007009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/18/17 23:50	
Ethylbenzene	ug/kg	ND	5.0	08/18/17 23:50	
Toluene	ug/kg	ND	5.0	08/18/17 23:50	
Xylene (Total)	ug/kg	ND	5.0	08/18/17 23:50	
1,2-Dichloroethane-d4 (S)	%	104	85-115	08/18/17 23:50	
4-Bromofluorobenzene (S)	%	113	87-115	08/18/17 23:50	
Toluene-d8 (S)	%	103	87-112	08/18/17 23:50	

LABORATORY CONTROL SAMPLE: 2008100

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	98.9	99	81-115	
Ethylbenzene	ug/kg	100	92.6	93	76-119	
Toluene	ug/kg	100	95.8	96	77-116	
Xylene (Total)	ug/kg	300	272	91	76-121	
1,2-Dichloroethane-d4 (S)	%			115	85-115	
4-Bromofluorobenzene (S)	%			113	87-115	
Toluene-d8 (S)	%			102	87-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2008101 2008102

Parameter	Units	7572004001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	120	119	111	119	93	100	30-139	7	28	
Ethylbenzene	ug/kg	ND	120	119	102	112	85	95	10-147	10	32	
Toluene	ug/kg	ND	120	119	110	125	91	104	22-138	12	39	
Xylene (Total)	ug/kg	ND	360	356	304	346	84	97	10-152	13	35	
1,2-Dichloroethane-d4 (S)	%						101	94	85-115			
4-Bromofluorobenzene (S)	%						101	97	87-115			
Toluene-d8 (S)	%						99	101	87-112			

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Project No.: 7572007

QC Batch: 490807 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 7572007001, 7572007007, 7572007013, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028

METHOD BLANK: 2009110 Matrix: Solid
Associated Lab Samples: 7572007001, 7572007007, 7572007013, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/22/17 02:50	
Ethylbenzene	ug/kg	ND	5.0	08/22/17 02:50	
Toluene	ug/kg	ND	5.0	08/22/17 02:50	
Xylene (Total)	ug/kg	ND	5.0	08/22/17 02:50	
1,2-Dichloroethane-d4 (S)	%	103	85-115	08/22/17 02:50	
4-Bromofluorobenzene (S)	%	105	87-115	08/22/17 02:50	
Toluene-d8 (S)	%	99	87-112	08/22/17 02:50	

LABORATORY CONTROL SAMPLE: 2009111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	101	101	81-115	
Ethylbenzene	ug/kg	100	99.6	100	76-119	
Toluene	ug/kg	100	98.6	99	77-116	
Xylene (Total)	ug/kg	300	301	100	76-121	
1,2-Dichloroethane-d4 (S)	%			99	85-115	
4-Bromofluorobenzene (S)	%			102	87-115	
Toluene-d8 (S)	%			100	87-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2009112 2009113

Parameter	Units	7572007013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	160	156	126	151	79	97	30-139	18	28	
Ethylbenzene	ug/kg	ND	160	156	130	140	81	90	10-147	8	32	
Toluene	ug/kg	ND	160	156	117	146	73	94	22-138	22	39	
Xylene (Total)	ug/kg	ND	481	468	364	423	76	90	10-152	15	35	
1,2-Dichloroethane-d4 (S)	%						103	100	85-115			
4-Bromofluorobenzene (S)	%						101	98	87-115			
Toluene-d8 (S)	%						100	99	87-112			

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490867 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 7572007031, 7572007034, 7572007036, 7572007039, 7572007041, 7572007043

METHOD BLANK: 2009313 Matrix: Solid
Associated Lab Samples: 7572007031, 7572007034, 7572007036, 7572007039, 7572007041, 7572007043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/22/17 18:03	
Ethylbenzene	ug/kg	ND	5.0	08/22/17 18:03	
Toluene	ug/kg	ND	5.0	08/22/17 18:03	
Xylene (Total)	ug/kg	ND	5.0	08/22/17 18:03	
1,2-Dichloroethane-d4 (S)	%	105	85-115	08/22/17 18:03	
4-Bromofluorobenzene (S)	%	104	87-115	08/22/17 18:03	
Toluene-d8 (S)	%	101	87-112	08/22/17 18:03	

LABORATORY CONTROL SAMPLE: 2009314

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	87.6	88	81-115	
Ethylbenzene	ug/kg	100	82.4	82	76-119	
Toluene	ug/kg	100	84.1	84	77-116	
Xylene (Total)	ug/kg	300	247	82	76-121	
1,2-Dichloroethane-d4 (S)	%			109	85-115	
4-Bromofluorobenzene (S)	%			105	87-115	
Toluene-d8 (S)	%			101	87-112	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490927

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 7572007015, 7572007016

METHOD BLANK: 2009586

Matrix: Solid

Associated Lab Samples: 7572007015, 7572007016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/22/17 14:18	
Ethylbenzene	ug/kg	ND	5.0	08/22/17 14:18	
Toluene	ug/kg	ND	5.0	08/22/17 14:18	
Xylene (Total)	ug/kg	ND	5.0	08/22/17 14:18	
1,2-Dichloroethane-d4 (S)	%	99	85-115	08/22/17 14:18	
4-Bromofluorobenzene (S)	%	100	87-115	08/22/17 14:18	
Toluene-d8 (S)	%	98	87-112	08/22/17 14:18	

LABORATORY CONTROL SAMPLE: 2009587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	120	120	81-115	L1
Ethylbenzene	ug/kg	100	116	116	76-119	
Toluene	ug/kg	100	124	124	77-116	L1
Xylene (Total)	ug/kg	300	376	125	76-121	LS
1,2-Dichloroethane-d4 (S)	%			99	85-115	
4-Bromofluorobenzene (S)	%			101	87-115	
Toluene-d8 (S)	%			103	87-112	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 491055

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 7572007029, 7572007033

METHOD BLANK: 2009972

Matrix: Solid

Associated Lab Samples: 7572007029, 7572007033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	08/23/17 20:34	
Ethylbenzene	ug/kg	ND	5.0	08/23/17 20:34	
Toluene	ug/kg	ND	5.0	08/23/17 20:34	
Xylene (Total)	ug/kg	ND	5.0	08/23/17 20:34	
1,2-Dichloroethane-d4 (S)	%	104	85-115	08/23/17 20:34	
4-Bromofluorobenzene (S)	%	105	87-115	08/23/17 20:34	
Toluene-d8 (S)	%	102	87-112	08/23/17 20:34	

LABORATORY CONTROL SAMPLE: 2009973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	100	94.3	94	81-115	
Ethylbenzene	ug/kg	100	89.3	89	76-119	
Toluene	ug/kg	100	91.5	91	77-116	
Xylene (Total)	ug/kg	300	269	90	76-121	
1,2-Dichloroethane-d4 (S)	%			103	85-115	
4-Bromofluorobenzene (S)	%			110	87-115	
Toluene-d8 (S)	%			102	87-112	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5
 Pace Project No.: 7572007

QC Batch: 490838 Analysis Method: EPA 8015B
 QC Batch Method: EPA 3546 Analysis Description: EPA 8015B
 Associated Lab Samples: 7572007001, 7572007003, 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028

METHOD BLANK: 2009200 Matrix: Solid
 Associated Lab Samples: 7572007001, 7572007003, 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	10	08/23/17 19:29	
TPH-ORO (C28-C35)	mg/kg	ND	10	08/23/17 19:29	
n-Tetracosane (S)	%	85	65-119	08/23/17 19:29	
p-Terphenyl (S)	%	83	41-131	08/23/17 19:29	

LABORATORY CONTROL SAMPLE: 2009201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	83.2	77.4	93	80-112	
n-Tetracosane (S)	%			89	65-119	
p-Terphenyl (S)	%			88	41-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2009202 2009203

Parameter	Units	7572004011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	87.2	87.6	86.8	86.9	95	94	10-180	0	39	
n-Tetracosane (S)	%						91	91	65-119		58	
p-Terphenyl (S)	%						89	89	41-131		56	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 491042 Analysis Method: EPA 8015B
QC Batch Method: EPA 3546 Analysis Description: EPA 8015B
Associated Lab Samples: 7572007029, 7572007031, 7572007033, 7572007034, 7572007036, 7572007039, 7572007041, 7572007043

METHOD BLANK: 2009940 Matrix: Solid
Associated Lab Samples: 7572007029, 7572007031, 7572007033, 7572007034, 7572007036, 7572007039, 7572007041, 7572007043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.8	08/24/17 10:12	
TPH-ORO (C28-C35)	mg/kg	ND	9.8	08/24/17 10:12	
n-Tetracosane (S)	%	92	65-119	08/24/17 10:12	
p-Terphenyl (S)	%	92	41-131	08/24/17 10:12	

LABORATORY CONTROL SAMPLE: 2009941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	80.9	72.7	90	80-112	
n-Tetracosane (S)	%			86	65-119	
p-Terphenyl (S)	%			85	41-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2009942 2009943

Parameter	Units	7572007029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	212	92.9	95.5	361	208	161	-4	10-180	54	39	M1, R1
n-Tetracosane (S)	%						106	79	65-119		58	
p-Terphenyl (S)	%						97	77	41-131		56	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490856

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7572007001, 7572007003

METHOD BLANK: 2009245

Matrix: Solid

Associated Lab Samples: 7572007001, 7572007003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	08/22/17 00:00	

SAMPLE DUPLICATE: 2009246

Parameter	Units	7572389003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.9	13.0	18	20	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch:	490859	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028, 7572007029, 7572007031, 7572007033, 7572007034, 7572007036, 7572007039, 7572007041, 7572007043		

METHOD BLANK: 2009262

Matrix: Solid

Associated Lab Samples: 7572007006, 7572007007, 7572007009, 7572007013, 7572007015, 7572007016, 7572007019, 7572007021, 7572007022, 7572007024, 7572007026, 7572007028, 7572007029, 7572007031, 7572007033, 7572007034, 7572007036, 7572007039, 7572007041, 7572007043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	08/22/17 00:00	

SAMPLE DUPLICATE: 2009263

Parameter	Units	7572007006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.4	31.8	4	20	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490263 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7572007001, 7572007002, 7572007003, 7572007004, 7572007005, 7572007006, 7572007007, 7572007008, 7572007009, 7572007010, 7572007011, 7572007012, 7572007013, 7572007014, 7572007015, 7572007016, 7572007017, 7572007018, 7572007019, 7572007020

METHOD BLANK: 2007023 Matrix: Solid
Associated Lab Samples: 7572007001, 7572007002, 7572007003, 7572007004, 7572007005, 7572007006, 7572007007, 7572007008, 7572007009, 7572007010, 7572007011, 7572007012, 7572007013, 7572007014, 7572007015, 7572007016, 7572007017, 7572007018, 7572007019, 7572007020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	08/18/17 08:42	

LABORATORY CONTROL SAMPLE: 2007024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	491	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2007025 2007026

Parameter	Units	7572007001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	275	723	727	970	952	96	93	80-120	2	15	

MATRIX SPIKE SAMPLE: 2007027

Parameter	Units	7572007010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	236	509	661	83	80-120	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490264 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7572007021, 7572007022, 7572007023, 7572007024, 7572007025, 7572007026, 7572007027, 7572007028, 7572007029, 7572007030, 7572007031, 7572007032, 7572007033, 7572007034, 7572007035, 7572007036, 7572007037, 7572007038, 7572007039, 7572007040

METHOD BLANK: 2007028

Matrix: Solid

Associated Lab Samples: 7572007021, 7572007022, 7572007023, 7572007024, 7572007025, 7572007026, 7572007027, 7572007028, 7572007029, 7572007030, 7572007031, 7572007032, 7572007033, 7572007034, 7572007035, 7572007036, 7572007037, 7572007038, 7572007039, 7572007040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	08/18/17 17:31	

LABORATORY CONTROL SAMPLE: 2007029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	497	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2007030 2007031

Parameter	Units	7572007021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	26.9	651	582	831	747	124	124	80-120	11	15	M1

MATRIX SPIKE SAMPLE: 2007032

Parameter	Units	7572007030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	ND	497	526	87	80-120	

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QUALITY CONTROL DATA

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

QC Batch: 490440 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7572007041, 7572007042, 7572007043, 7572007044, 7572007045

METHOD BLANK: 2007661 Matrix: Solid
Associated Lab Samples: 7572007041, 7572007042, 7572007043, 7572007044, 7572007045

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	08/18/17 19:53	

LABORATORY CONTROL SAMPLE: 2007662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	487	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2007663 2007664

Parameter	Units	7572007041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	1470	556	569	2000	2300	96	146	80-120	14	15	M1

MATRIX SPIKE SAMPLE: 2007665

Parameter	Units	7572004005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	ND	534	522	90	80-120	

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QUALIFIERS

Project: 212C-MD-00936/EVGSAU Sat #5
Pace Project No.: 7572007

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The Nelac Institute

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 490996

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1t The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis.
L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
LS Analyte recovery in the laboratory control sample (LCS) was outside QC limits for one or more of the constituent analytes used in the calculated result.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1 RPD value was outside control limits.
S1 Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7572007001	EVGSAU Sat 5 SB-1 (0-1')	EPA 3546	490838	EPA 8015B	491192
7572007003	EVGSAU Sat 5 SB-1 (4-5')	EPA 3546	490838	EPA 8015B	491192
7572007006	EVGSAU Sat 5 SB-1 (14-15')	EPA 3546	490838	EPA 8015B	491192
7572007007	EVGSAU Sat 5 SB-2 (0-1')	EPA 3546	490838	EPA 8015B	491192
7572007009	EVGSAU Sat 5 SB-2 (4-5')	EPA 3546	490838	EPA 8015B	491192
7572007013	EVGSAU Sat 5 SB-2 (19-20')	EPA 3546	490838	EPA 8015B	491192
7572007015	EVGSAU Sat 5 SB-2 (29-30')	EPA 3546	490838	EPA 8015B	491192
7572007016	EVGSAU Sat 5 SB-3 (0-1')	EPA 3546	490838	EPA 8015B	491192
7572007019	EVGSAU Sat 5 SB-3 (6-7')	EPA 3546	490838	EPA 8015B	491192
7572007021	EVGSAU Sat 5 SB-3 (14-15')	EPA 3546	490838	EPA 8015B	491192
7572007022	EVGSAU Sat 5 SB-4 (0-1')	EPA 3546	490838	EPA 8015B	491192
7572007024	EVGSAU Sat 5 SB-4 (4-5')	EPA 3546	490838	EPA 8015B	491192
7572007026	EVGSAU Sat 5 SB-4 (9-10')	EPA 3546	490838	EPA 8015B	491192
7572007028	EVGSAU Sat 5 SB-4 (19-20')	EPA 3546	490838	EPA 8015B	491192
7572007029	EVGSAU Sat 5 SB-5 (0-1')	EPA 3546	491042	EPA 8015B	491258
7572007031	EVGSAU Sat 5 SB-5 (4-5')	EPA 3546	491042	EPA 8015B	491258
7572007033	EVGSAU Sat 5 SB-5 (9-10')	EPA 3546	491042	EPA 8015B	491258
7572007034	EVGSAU Sat 5 SB-6 (0-1')	EPA 3546	491042	EPA 8015B	491258
7572007036	EVGSAU Sat 5 SB-6 (4-5')	EPA 3546	491042	EPA 8015B	491258
7572007039	EVGSAU Sat 5 SB-6 (14-15')	EPA 3546	491042	EPA 8015B	491258
7572007041	EVGSAU Sat 5 SB-6 (24-25')	EPA 3546	491042	EPA 8015B	491258
7572007043	EVGSAU Sat 5 SB-6 (24-35')	EPA 3546	491042	EPA 8015B	491258
7572007001	EVGSAU Sat 5 SB-1 (0-1')	EPA 5035A/5030B	490358	EPA 8015B	490786
7572007003	EVGSAU Sat 5 SB-1 (4-5')	EPA 5035A/5030B	490358	EPA 8015B	490786
7572007006	EVGSAU Sat 5 SB-1 (14-15')	EPA 5035A/5030B	490358	EPA 8015B	490786
7572007007	EVGSAU Sat 5 SB-2 (0-1')	EPA 5035A/5030B	490358	EPA 8015B	490786
7572007009	EVGSAU Sat 5 SB-2 (4-5')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007013	EVGSAU Sat 5 SB-2 (19-20')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007015	EVGSAU Sat 5 SB-2 (29-30')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007016	EVGSAU Sat 5 SB-3 (0-1')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007019	EVGSAU Sat 5 SB-3 (6-7')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007021	EVGSAU Sat 5 SB-3 (14-15')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007022	EVGSAU Sat 5 SB-4 (0-1')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007024	EVGSAU Sat 5 SB-4 (4-5')	EPA 5035A/5030B	490358	EPA 8015B	490798
7572007026	EVGSAU Sat 5 SB-4 (9-10')	EPA 5035A/5030B	490358	EPA 8015B	490996
7572007028	EVGSAU Sat 5 SB-4 (19-20')	EPA 5035A/5030B	490358	EPA 8015B	490996
7572007029	EVGSAU Sat 5 SB-5 (0-1')	EPA 5035A/5030B	490358	EPA 8015B	490996
7572007031	EVGSAU Sat 5 SB-5 (4-5')	EPA 5035A/5030B	490358	EPA 8015B	490996
7572007033	EVGSAU Sat 5 SB-5 (9-10')	EPA 5035A/5030B	490358	EPA 8015B	490996
7572007034	EVGSAU Sat 5 SB-6 (0-1')	EPA 5035A/5030B	490358	EPA 8015B	490996
7572007036	EVGSAU Sat 5 SB-6 (4-5')	EPA 5035A/5030B	490632	EPA 8015B	490997
7572007039	EVGSAU Sat 5 SB-6 (14-15')	EPA 5035A/5030B	490632	EPA 8015B	490997
7572007041	EVGSAU Sat 5 SB-6 (24-25')	EPA 5035A/5030B	490632	EPA 8015B	490997
7572007043	EVGSAU Sat 5 SB-6 (24-35')	EPA 5035A/5030B	490632	EPA 8015B	490997
7572007001	EVGSAU Sat 5 SB-1 (0-1')	EPA 8260	490807		
7572007003	EVGSAU Sat 5 SB-1 (4-5')	EPA 8260	490534		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7572007006	EVGSAU Sat 5 SB-1 (14-15')	EPA 8260	490534		
7572007007	EVGSAU Sat 5 SB-2 (0-1')	EPA 8260	490807		
7572007009	EVGSAU Sat 5 SB-2 (4-5')	EPA 8260	490534		
7572007013	EVGSAU Sat 5 SB-2 (19-20')	EPA 8260	490807		
7572007015	EVGSAU Sat 5 SB-2 (29-30')	EPA 8260	490927		
7572007016	EVGSAU Sat 5 SB-3 (0-1')	EPA 8260	490927		
7572007019	EVGSAU Sat 5 SB-3 (6-7')	EPA 8260	490807		
7572007021	EVGSAU Sat 5 SB-3 (14-15')	EPA 8260	490807		
7572007022	EVGSAU Sat 5 SB-4 (0-1')	EPA 8260	490807		
7572007024	EVGSAU Sat 5 SB-4 (4-5')	EPA 8260	490807		
7572007026	EVGSAU Sat 5 SB-4 (9-10')	EPA 8260	490807		
7572007028	EVGSAU Sat 5 SB-4 (19-20')	EPA 8260	490807		
7572007029	EVGSAU Sat 5 SB-5 (0-1')	EPA 8260	491055		
7572007031	EVGSAU Sat 5 SB-5 (4-5')	EPA 8260	490867		
7572007033	EVGSAU Sat 5 SB-5 (9-10')	EPA 8260	491055		
7572007034	EVGSAU Sat 5 SB-6 (0-1')	EPA 8260	490867		
7572007036	EVGSAU Sat 5 SB-6 (4-5')	EPA 8260	490867		
7572007039	EVGSAU Sat 5 SB-6 (14-15')	EPA 8260	490867		
7572007041	EVGSAU Sat 5 SB-6 (24-25')	EPA 8260	490867		
7572007043	EVGSAU Sat 5 SB-6 (24-35')	EPA 8260	490867		
7572007001	EVGSAU Sat 5 SB-1 (0-1')	ASTM D2974	490856		
7572007003	EVGSAU Sat 5 SB-1 (4-5')	ASTM D2974	490856		
7572007006	EVGSAU Sat 5 SB-1 (14-15')	ASTM D2974	490859		
7572007007	EVGSAU Sat 5 SB-2 (0-1')	ASTM D2974	490859		
7572007009	EVGSAU Sat 5 SB-2 (4-5')	ASTM D2974	490859		
7572007013	EVGSAU Sat 5 SB-2 (19-20')	ASTM D2974	490859		
7572007015	EVGSAU Sat 5 SB-2 (29-30')	ASTM D2974	490859		
7572007016	EVGSAU Sat 5 SB-3 (0-1')	ASTM D2974	490859		
7572007019	EVGSAU Sat 5 SB-3 (6-7')	ASTM D2974	490859		
7572007021	EVGSAU Sat 5 SB-3 (14-15')	ASTM D2974	490859		
7572007022	EVGSAU Sat 5 SB-4 (0-1')	ASTM D2974	490859		
7572007024	EVGSAU Sat 5 SB-4 (4-5')	ASTM D2974	490859		
7572007026	EVGSAU Sat 5 SB-4 (9-10')	ASTM D2974	490859		
7572007028	EVGSAU Sat 5 SB-4 (19-20')	ASTM D2974	490859		
7572007029	EVGSAU Sat 5 SB-5 (0-1')	ASTM D2974	490859		
7572007031	EVGSAU Sat 5 SB-5 (4-5')	ASTM D2974	490859		
7572007033	EVGSAU Sat 5 SB-5 (9-10')	ASTM D2974	490859		
7572007034	EVGSAU Sat 5 SB-6 (0-1')	ASTM D2974	490859		
7572007036	EVGSAU Sat 5 SB-6 (4-5')	ASTM D2974	490859		
7572007039	EVGSAU Sat 5 SB-6 (14-15')	ASTM D2974	490859		
7572007041	EVGSAU Sat 5 SB-6 (24-25')	ASTM D2974	490859		
7572007043	EVGSAU Sat 5 SB-6 (24-35')	ASTM D2974	490859		
7572007001	EVGSAU Sat 5 SB-1 (0-1')	EPA 300.0	490263	EPA 300.0	490452

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-00936/EVGSAU Sat #5

Pace Project No.: 7572007

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7572007002	EVGSAU Sat 5 SB-1 (2-3')	EPA 300.0	490263	EPA 300.0	490452
7572007003	EVGSAU Sat 5 SB-1 (4-5')	EPA 300.0	490263	EPA 300.0	490452
7572007004	EVGSAU Sat 5 SB-1 (6-7')	EPA 300.0	490263	EPA 300.0	490452
7572007005	EVGSAU Sat 5 SB-1 (9-10')	EPA 300.0	490263	EPA 300.0	490452
7572007006	EVGSAU Sat 5 SB-1 (14-15')	EPA 300.0	490263	EPA 300.0	490452
7572007007	EVGSAU Sat 5 SB-2 (0-1')	EPA 300.0	490263	EPA 300.0	490452
7572007008	EVGSAU Sat 5 SB-2 (2-3')	EPA 300.0	490263	EPA 300.0	490452
7572007009	EVGSAU Sat 5 SB-2 (4-5')	EPA 300.0	490263	EPA 300.0	490452
7572007010	EVGSAU Sat 5 SB-2 (6-7')	EPA 300.0	490263	EPA 300.0	490452
7572007011	EVGSAU Sat 5 SB-2 (9-10')	EPA 300.0	490263	EPA 300.0	490452
7572007012	EVGSAU Sat 5 SB-2 (14-15')	EPA 300.0	490263	EPA 300.0	490452
7572007013	EVGSAU Sat 5 SB-2 (19-20')	EPA 300.0	490263	EPA 300.0	490452
7572007014	EVGSAU Sat 5 SB-2 (24-25')	EPA 300.0	490263	EPA 300.0	490452
7572007015	EVGSAU Sat 5 SB-2 (29-30')	EPA 300.0	490263	EPA 300.0	490452
7572007016	EVGSAU Sat 5 SB-3 (0-1')	EPA 300.0	490263	EPA 300.0	490452
7572007017	EVGSAU Sat 5 SB-3 (2-3')	EPA 300.0	490263	EPA 300.0	490452
7572007018	EVGSAU Sat 5 SB-3 (4-5')	EPA 300.0	490263	EPA 300.0	490452
7572007019	EVGSAU Sat 5 SB-3 (6-7')	EPA 300.0	490263	EPA 300.0	490452
7572007020	EVGSAU Sat 5 SB-3 (9-10')	EPA 300.0	490263	EPA 300.0	490452
7572007021	EVGSAU Sat 5 SB-3 (14-15')	EPA 300.0	490264	EPA 300.0	490453
7572007022	EVGSAU Sat 5 SB-4 (0-1')	EPA 300.0	490264	EPA 300.0	490453
7572007023	EVGSAU Sat 5 SB-4 (2-3')	EPA 300.0	490264	EPA 300.0	490453
7572007024	EVGSAU Sat 5 SB-4 (4-5')	EPA 300.0	490264	EPA 300.0	490453
7572007025	EVGSAU Sat 5 SB-4 (6-7')	EPA 300.0	490264	EPA 300.0	490453
7572007026	EVGSAU Sat 5 SB-4 (9-10')	EPA 300.0	490264	EPA 300.0	490453
7572007027	EVGSAU Sat 5 SB-4 (14-15')	EPA 300.0	490264	EPA 300.0	490453
7572007028	EVGSAU Sat 5 SB-4 (19-20')	EPA 300.0	490264	EPA 300.0	490453
7572007029	EVGSAU Sat 5 SB-5 (0-1')	EPA 300.0	490264	EPA 300.0	490453
7572007030	EVGSAU Sat 5 SB-5 (2-3')	EPA 300.0	490264	EPA 300.0	490453
7572007031	EVGSAU Sat 5 SB-5 (4-5')	EPA 300.0	490264	EPA 300.0	490453
7572007032	EVGSAU Sat 5 SB-5 (6-7')	EPA 300.0	490264	EPA 300.0	490453
7572007033	EVGSAU Sat 5 SB-5 (9-10')	EPA 300.0	490264	EPA 300.0	490453
7572007034	EVGSAU Sat 5 SB-6 (0-1')	EPA 300.0	490264	EPA 300.0	490453
7572007035	EVGSAU Sat 5 SB-6 (2-3')	EPA 300.0	490264	EPA 300.0	490453
7572007036	EVGSAU Sat 5 SB-6 (4-5')	EPA 300.0	490264	EPA 300.0	490453
7572007037	EVGSAU Sat 5 SB-6 (6-7')	EPA 300.0	490264	EPA 300.0	490453
7572007038	EVGSAU Sat 5 SB-6 (9-10')	EPA 300.0	490264	EPA 300.0	490453
7572007039	EVGSAU Sat 5 SB-6 (14-15')	EPA 300.0	490264	EPA 300.0	490453
7572007040	EVGSAU Sat 5 SB-6 (19-20')	EPA 300.0	490264	EPA 300.0	490453
7572007041	EVGSAU Sat 5 SB-6 (24-25')	EPA 300.0	490440	EPA 300.0	490563
7572007042	EVGSAU Sat 5 SB-6 (29-30')	EPA 300.0	490440	EPA 300.0	490563
7572007043	EVGSAU Sat 5 SB-6 (24-35')	EPA 300.0	490440	EPA 300.0	490563
7572007044	EVGSAU Sat 5 SB-6 (39-40')	EPA 300.0	490440	EPA 300.0	490563
7572007045	EVGSAU Sat 5 SB-6 (44-45')	EPA 300.0	490440	EPA 300.0	490563

REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt	Document Revised: 7/25/16 Page 1 of 1
	Document No.: F-DAL-C-001-rev.06	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☒ Dallas ☐ Ft Worth ☐ San Angelo

WO#: 7572007



Client Name: Tetra Tech Project Work order:

Courier: FedEX ☒ UPS ☐ USPS ☐ Client ☐ Courier ☐ LSO ☐ PACE ☐ Other:

Tracking#: 7420 8979 1910 / 7420 8979 1909

Custody Seal on Cooler/Box: Yes ☒ No ☐ Seals Intact: Yes ☒ No ☐ NA ☐

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

Thermometer Used: IR-154 Type of Ice: Wet ☒ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☒

Cooler Temp °C: 4.3, 4.0 (Recorded) 0.2 (Correction Factor) 4.5, 4.2 (Actual) Temp should be above freezing to 6°C

Chain of Custody Present	Yes ☒ No ☐ NA ☐	1
Chain of Custody filled out	Yes ☒ No ☐ NA ☐	2
Chain of Custody relinquished	Yes ☒ No ☐ NA ☐	3
Sampler name & signature on COC	Yes ☒ No ☐ NA ☐	4
Sample received within HT	Yes ☒ No ☐ NA ☐	5
Short HT analyses (<72 hrs)	Yes ☒ No ☐ NA ☐	6
Rush TAT requested	Yes ☐ No ☒ NA ☐	7
Sufficient Volume received	Yes ☒ No ☐ NA ☐	8
Correct Container used	Yes ☒ No ☐ NA ☐	9
Pace Container used	Yes ☒ No ☐ NA ☐	
Container Intact	Yes ☒ No ☐ NA ☐	10
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☒	11
Filtered volume received for Dissolved tests	Yes ☐ No ☐ NA ☒	12
Sample labels match COC	Yes ☒ No ☐ NA ☐	13
Include date/time/ID/analyses Matrix: <u>SOIL</u>		
All containers needing preservation have been checked	Yes ☐ No ☐ NA ☒	14a. Lot# of pH strip: _____ Original pH: <2 or >12 ☐ 2 ☐ 9 ☐ 12 or received Neutral ☐ Lot# of Iodine strip: _____ Lot# of Lead Acetate strip: _____
Do containers require preservation at the lab	Yes ☐ No ☐ NA ☒	14b. Preservation: _____ Lot# and adjusted pH: _____ pH<2 ☐ pH>9 ☐ pH>12 ☐
All containers needing preservation are found to be in Compliance with EPA recommendation	Yes ☐ No ☐ NA ☒	14c.
Exception: VOA, coliform, O&G	Yes ☐ No ☒	
Are soil samples (volatiles) received in Bulk ☐ Terracore ☐ EnCore ☐ NA ☒		15.
Trip Blank present	Yes ☐ No ☐ NA ☒	16.
Trip Blank Custody Seals Intact	Yes ☐ No ☐ NA ☒	
Pace Trip Blank Lot# (if purchased):		
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☒	17.
Project sampled in USDA Regulated Area:	Yes ☒ No ☐ NA ☐	18. List State _____

Client Notification/Resolution/Comments:

Person Contacted: _____

Date: _____

Comments/Resolution: _____

Person Examining Contents: 85

Date: 8/15/17

Project Manager Review: mm



Tetra Tech, Inc.

1000 N. Big Spring Street, Ste
401 Midland, Texas 79705
Tel (409) 685-4556
Fax (409) 685-4546

Client Name: Conoco Phillips		Site Manager: Ike Tavaraz	
Project Name: EVGSAU Satellite #5		Project #: 212C-MD-00936	
Project Location: (county) Lea Co NM		Client: Merritt	
Invoice to:		Sampler Signature:	
Receiving Laboratory: Pace Analytical		BTEX B021B BTEX B260B	
Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample.			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	Hold
		DATE	TIME		WATER	SOIL	HCL			
001	EVGSAU Sat 5 SB-1 (0-1')	8/8/2017	13:00	X	X	X	X	1		
002	EVGSAU Sat 5 SB-1 (2-3')	8/8/2017	13:00	X	X	X	X	1		
003	EVGSAU Sat 5 SB-1 (4-5')	8/8/2017	13:00	X	X	X	X	1		
004	EVGSAU Sat 5 SB-1 (6-7')	8/8/2017	13:00	X	X	X	X	1		
005	EVGSAU Sat 5 SB-1 (8-10')	8/8/2017	13:00	X	X	X	X	1		
006	EVGSAU Sat 5 SB-1 (14-15')	8/8/2017	13:00	X	X	X	X	1		
007	EVGSAU Sat 5 SB-2 (0-1')	8/8/2017	14:00	X	X	X	X	1		
008	EVGSAU Sat 5 SB-2 (2'-3')	8/8/2017	14:00	X	X	X	X	1		
009	EVGSAU Sat 5 SB-2 (4'-5')	8/8/2017	14:00	X	X	X	X	1		
010	EVGSAU Sat 5 SB-2 (6'-7')	8/8/2017	14:00	X	X	X	X	1		

Relinquished by: Client Merritt	Date: 8/14/17	Time: 17:00
Relinquished by:	Date:	Time:
Relinquished by:	Date:	Time:

REMARKS:	
LAB USE ONLY	☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits on TRRP Report
Sample Temperature	4.2, 4.5

ANALYSIS REQUEST (Circle or Specify Method No.)	
TPH B015M (GRO - DRO - DRO - MRO)	X
TPH T81005 (Ext to C35)	X
PAH B270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
HCI	
GC/MS Vol. B260B / B24	
GC/MS Semi Vol. B270C/B25	
PCBs B082 / B08	
NORM	
PLM (Asbestos)	X
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland, Texas 79709
Tel (432) 682-4554
Fax (432) 682-5946

Client Name: Conoco Phillips		Site Manager: Ike Tavaraz							
Project Name: EVGSAU Satellite 5		Project #: 212C-MD-00936							
Project Location: (county, state) Lea Co NM		Invoice to:							
Receiving Laboratory: Paco Analytical		Sampler Signature: Clint Merritt							
Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample.									
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME		WATER	SOIL	HCL		
011	EVGSAU Sat 5 SB-2 (9'-10')	8/8/2017	14:00	X	X			X	1
012	EVGSAU Sat 5 SB-2 (14'-15')	8/8/2017	14:00	X	X			X	1
013	EVGSAU Sat 5 SB-2 (19'-20')	8/8/2017	14:00	X	X			X	1
014	EVGSAU Sat 5 SB-2 (24'-25')	8/8/2017	14:00	X	X			X	1
015	EVGSAU Sat 5 SB-2 (29'-30')	8/8/2017	14:00	X	X			X	1
016	EVGSAU Sat 5 SB-3 (0'-1')	8/8/2017	15:00	X	X			X	1
017	EVGSAU Sat 5 SB-3 (2'-3')	8/8/2017	15:00	X	X			X	1
018	EVGSAU Sat 5 SB-3 (4'-5')	8/8/2017	15:00	X	X			X	1
019	EVGSAU Sat 5 SB-3 (6'-7')	8/8/2017	15:00	X	X			X	1
020	EVGSAU Sat 5 SB-3 (8'-10')	8/8/2017	15:00	X	X			X	1
Relinquished by: Client Merritt		Date: 8/14/17	Time: 17:00	Received by: [Signature]		Date: 8/14/17	Time: 17:00	Remarks: LAB USE ONLY	
Relinquished by:		Date: Time:	Received by:		Date: Time:	Sample Temperature: 4.2, 4.5		REMARKS:	
Relinquished by:		Date: Time:	Received by:		Date: Time:	☐ RUSH* Same Day 24 hr 18 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report			

17572007

Analysis Request of Chain of Custody Record

Page 2 of 5



Tetra Tech, Inc.

4800 N. Eld Spring Street, Ste 401
Midland, Texas 79705
Tel: (432) 682-4558
Fax: (432) 682-1946

Client Name: Conoco Phillips		Site Manager: Ike Tavaraz									
Project Name: EVGSAU Satellite 5											
Project Location: (county, state)	Lead Co NM	Project #: 212G-MD-00936									
Receiving Laboratory: Pace Analytical		Sampler Signature: Clint Merritt									
Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample											
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICF			
021	EVGSAU Sat 5 SB-3 (14'-15')	8/8/2017	15:00	X				X		1	
022	EVGSAU Sat 5 SB-4 (0'-1')	8/8/2017	16:00	X				X		1	
023	EVGSAU Sat 5 SB-4 (2'-3')	8/8/2017	16:00	X				X		1	
024	EVGSAU Sat 5 SB-4 (4'-5')	8/8/2017	16:00	X				X		1	
025	EVGSAU Sat 5 SB-4 (6'-7')	8/8/2017	16:00	X				X		1	
026	EVGSAU Sat 5 SB-4 (8'-10')	8/8/2017	16:00	X				X		1	
027	EVGSAU Sat 5 SB-4 (14'-15')	8/8/2017	16:00							1	
028	EVGSAU Sat 5 SB-4 (19'-20')	8/8/2017	16:00	X				X		1	
029	EVGSAU Sat 5 SB-5 (0'-1')	8/9/2017	10:00	X				X		1	
030	EVGSAU Sat 5 SB-5 (2'-3')	8/9/2017	10:00	X				X		1	
Relinquished by: Clint Merritt		Date: 8/14/17	Time: 17:00	Received by: <i>[Signature]</i>		Date: 8/14/17	Time: 17:00	LAB USE ONLY			
Relinquished by:		Date:	Time:	Received by:		Date:	Time:	Sample Temperature: 4.2, 4.5			
Relinquished by:		Date:	Time:	Received by:		Date:	Time:	REMARKS:			

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

(Circle) HAND DELIVERED ☒ FEDEX ☐ UPS Tracking #: **7420 8929 1910**
7420 8929 1909

Official Copy



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste.
401 Midland, Texas 79705
Tel (432) 682-0660
Fax (432) 682-7046

Client Name: Conoco Phillips		Site Manager: Ike Tavaraz	
Project Name: EVGSAU Satellite #5		Project #: 212C-MD-00936	
Project Location: (county, state) Lea Co NM		Invoice to:	
Receiving Laboratory: Paob Analytical		Sampler Signature: Clint Merritt	
Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICF			
031	EVGSAU Sat 5 SB-5 (4'-5')	8/9/2017	10:00	X					X	1	
032	EVGSAU Sat 5 SB-5 (6'-7')	8/9/2017	10:00	X					X	1	
033	EVGSAU Sat 5 SB-5 (9'-10')	8/9/2017	10:00	X					X	1	
034	EVGSAU Sat 5 SB-6 (0'-1')	8/9/2017	11:35	X					X	1	
035	EVGSAU Sat 5 SB-6 (2'-3')	8/9/2017	11:35								
036	EVGSAU Sat 5 SB-6 (4'-5')	8/9/2017	11:35								
037	EVGSAU Sat 5 SB-6 (6'-7')	8/9/2017	11:35								
038	EVGSAU Sat 5 SB-6 (9'-10')	8/9/2017	11:35								
039	EVGSAU Sat 5 SB-6 (14'-15')	8/9/2017	11:35								
040	EVGSAU Sat 5 SB-6 (19'-20')	8/9/2017	11:35								

Relinquished by: Clint Merritt	Date: 8/14/17	Time: 17:00
Relinquished by:	Date:	Time:
Relinquished by:	Date:	Time:

RECEIVED BY: <i>[Signature]</i>	DATE: 8/14/17	TIME: 08:50
RECEIVED BY:	DATE:	TIME:
RECEIVED BY:	DATE:	TIME:

LAB USE ONLY	Sample Temperature: 41.5
--------------	--------------------------

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

ANALYSIS REQUEST (Circle or Specify Method No.)	Hold General Water Chemistry (see attached list) Chloride Sulfate TDS Chloride PLM (Asbestos) NORM PCB's B082 / 608 GC/MS Semi Vol. B070C/625 GC/MS Vol. B260B / 624 HCl TCLP Semi Volatiles TCLP Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg Total Metals Ag As Ba Cd Cr Pb Se Hg PAH B270C TPH B035M (GRO - DRO - DRO - MRO) TPH TX1009 (Ext to C35) BTEX B021B BTEX B260B
--	---

WO#: 60251057



60251057



Sample Condition Upon Receipt

Client Name: Pam Rallas

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

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

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

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

Thermometer Used: T-266 CF 0.0 CF +0.3 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 4.7/2.2/3.0 Corr. Factor CF 0.0 CF +0.3 Corrected 4.7/2.2/3.0

Date and initials of person examining contents: BB 8/16/12

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A
Sufficient volume:	☒ Yes ☐ No ☐ N/A
Correct containers used:	☒ Yes ☐ No ☐ N/A
Pace containers used:	☒ Yes ☐ No ☐ N/A
Containers intact:	☒ Yes ☐ No ☐ N/A
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A
Samples contain multiple phases? Matrix: <u>SL</u>	☐ Yes ☒ No ☐ N/A
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☐ Yes ☐ No ☒ N/A
Cyanide water sample checks: ☐ N/A	
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No
Trip Blank present:	☐ Yes ☒ No ☐ N/A
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A
Samples from USDA Regulated Area: State: <u>TX</u>	☒ Yes ☐ No ☐ N/A
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A

USDA Regulated Soil
Dispose of Sample and all Aliquots in
Designated Containers

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: JMS

Date: 8/16/12

Chain of Custody

60251057



Workorder: 7572007

Workorder Name: 212C-MD-00936/EVGSAU Satellite

Owner Received Date: 8/15/2017

Results Requested By: 8/22/2017

Report To		Subcontract To		Requested Analysis											
Melissa McCullough Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123		Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers					LAB USE ONLY				
						Unpreserved									
1	EVGSAU Sat 5 SB-1 (0-1')	PS	8/8/2017 13:00	7572007001	Solid	1									
2	EVGSAU Sat 5 SB-1 (2-3')	PS	8/8/2017 13:00	7572007002	Solid	1									
3	EVGSAU Sat 5 SB-1 (4-5')	PS	8/8/2017 13:00	7572007003	Solid	1									
4	EVGSAU Sat 5 SB-1 (6-7')	PS	8/8/2017 13:00	7572007004	Solid	1									
5	EVGSAU Sat 5 SB-1 (8-10')	PS	8/8/2017 13:00	7572007005	Solid	1									
6	EVGSAU Sat 5 SB-1 (14-15')	PS	8/8/2017 13:00	7572007006	Solid	1									
7	EVGSAU Sat 5 SB-2 (0-1')	PS	8/8/2017 14:00	7572007007	Solid	1									
8	EVGSAU Sat 5 SB-2 (2-3')	PS	8/8/2017 14:00	7572007008	Solid	1									
9	EVGSAU Sat 5 SB-2 (4-5')	PS	8/8/2017 14:00	7572007009	Solid	1									
10	EVGSAU Sat 5 SB-2 (6-7')	PS	8/8/2017 14:00	7572007010	Solid	1									
11	EVGSAU Sat 5 SB-2 (9-10')	PS	8/8/2017 14:00	7572007011	Solid	1									
12	EVGSAU Sat 5 SB-2 (14-15')	PS	8/8/2017 14:00	7572007012	Solid	1									
13	EVGSAU Sat 5 SB-2 (19-20')	PS	8/8/2017 14:00	7572007013	Solid	1									
14	EVGSAU Sat 5 SB-2 (24-25')	PS	8/8/2017 14:00	7572007014	Solid	1									
15	EVGSAU Sat 5 SB-2 (29-30')	PS	8/8/2017 14:00	7572007015	Solid	1									
16	EVGSAU Sat 5 SB-3 (0-1')	PS	8/8/2017 15:00	7572007016	Solid	1									
17	EVGSAU Sat 5 SB-3 (2-3')	PS	8/8/2017 15:00	7572007017	Solid	1									
18	EVGSAU Sat 5 SB-3 (4-5')	PS	8/8/2017 15:00	7572007018	Solid	1									
19	EVGSAU Sat 5 SB-3 (6-7')	PS	8/8/2017 15:00	7572007019	Solid	1									

8/18/17
 Chloride 300
 8015 DRO + ORO
 BTEX 8240
 Dry Weight

Chain of Custody



Workorder: 7572007

Workorder Name: 212C-MD-00936/EVGSAU Satellite

Owner Received Date: 8/15/2017

Results Requested By: 8/22/2017

Report To
Melissa McCullough
Pace Analytical Dallas
400 West Bethany Drive
Suite 190
Allen, TX 75013
Phone (972)727-1123

Subcontract To
Pace Analytical Kansas
9608 Loiret Blvd.
Lenexa, KS 66219
Phone (913)599-5665

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		LAB USE ONLY
						Unpreserved	Preserved	
20	EVGSAU Sat 5 SB-3 (9-10')	PS	8/8/2017 15:00	7572007020	Solid	1		
21	EVGSAU Sat 5 SB-3 (14-15')	PS	8/8/2017 15:00	7572007021	Solid	1		
22	EVGSAU Sat 5 SB-4 (0-1')	PS	8/8/2017 16:00	7572007022	Solid	1		
23	EVGSAU Sat 5 SB-4 (2-3')	PS	8/8/2017 16:00	7572007023	Solid	1		
24	EVGSAU Sat 5 SB-4 (4-5')	PS	8/8/2017 16:00	7572007024	Solid	1		
25	EVGSAU Sat 5 SB-4 (6-7')	PS	8/8/2017 16:00	7572007025	Solid	1		
26	EVGSAU Sat 5 SB-4 (9-10')	PS	8/8/2017 16:00	7572007026	Solid	1		
27	EVGSAU Sat 5 SB-4 (14-15')	PS	8/8/2017 16:00	7572007027	Solid	1		
28	EVGSAU Sat 5 SB-4 (19-20')	PS	8/8/2017 16:00	7572007028	Solid	1		
29	EVGSAU Sat 5 SB-5 (0-1')	PS	8/9/2017 10:00	7572007029	Solid	1		
30	EVGSAU Sat 5 SB-5 (2-3')	PS	8/9/2017 10:00	7572007030	Solid	1		
31	EVGSAU Sat 5 SB-5 (4-5')	PS	8/9/2017 10:00	7572007031	Solid	1		
32	EVGSAU Sat 5 SB-5 (6-7')	PS	8/9/2017 10:00	7572007032	Solid	1		
33	EVGSAU Sat 5 SB-5 (9-10')	PS	8/9/2017 10:00	7572007033	Solid	1		
34	EVGSAU Sat 5 SB-6 (0-1')	PS	8/9/2017 11:35	7572007034	Solid	1		
35	EVGSAU Sat 5 SB-6 (2-3')	PS	8/9/2017 11:35	7572007035	Solid	1		
36	EVGSAU Sat 5 SB-6 (4-5')	PS	8/9/2017 11:35	7572007036	Solid	1		
37	EVGSAU Sat 5 SB-6 (6-7')	PS	8/9/2017 11:35	7572007037	Solid	1		
38	EVGSAU Sat 5 SB-6 (9-10')	PS	8/9/2017 11:35	7572007038	Solid	1		
39	EVGSAU Sat 5 SB-6 (14-15')	PS	8/9/2017 11:35	7572007039	Solid	1		

8015 GLO
8015 DRO * DRO
BTEX 8040
Dry weight
Chloride 300

Chain of Custody



Pace Analytical®
www.pacelabs.com

Workorder: 7572007 Workorder Name: 212C-MD-00936/EVGSAU Satellite Owner Received Date: 8/15/2017 Results Requested By: 8/22/2017

Report To		Subcontract To		Requested Analysis									
Melissa McCullough Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123		Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665		8/18/17 Chloride 300 8015 DRO + 0120 BTEX 8260 Dry weight									
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Unpreserved	Preserved Containers				LAB USE ONLY		
40	EVGSAU Sat 5 SB-6 (19-20')	PS	8/9/2017 11:35	7572007040	Solid	1							
41	EVGSAU Sat 5 SB-6 (24-25')	PS	8/9/2017 11:35	7572007041	Solid	1							
42	EVGSAU Sat 5 SB-6 (29-30')	PS	8/9/2017 11:35	7572007042	Solid	1							
43	EVGSAU Sat 5 SB-6 (24-35')	PS	8/9/2017 11:35	7572007043	Solid	1							
44	EVGSAU Sat 5 SB-6 (39-40')	PS	8/9/2017 11:35	7572007044	Solid	1							
45	EVGSAU Sat 5 SB-6 (44-45')	PS	8/9/2017 11:35	7572007045	Solid	1							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Melissa McCullough	8/17/17		
2				
3				

Cooler Temperature on Receipt	°C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

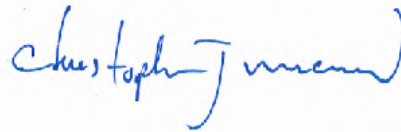
September 20, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1025188
Samples Received: 09/12/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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
AH-1 L1025188-01	5	
Qc: Quality Control Summary	6	⁴ Cn
Total Solids by Method 2540 G-2011	6	⁵ Sr
Wet Chemistry by Method 300.0	7	
Volatile Organic Compounds (GC) by Method 8015D/GRO	8	⁶ Qc
Volatile Organic Compounds (GC/MS) by Method 8260B	9	
Semi-Volatile Organic Compounds (GC) by Method 8015	11	⁷ Gl
Gl: Glossary of Terms	12	⁸ Al
Al: Accreditations & Locations	13	
Sc: Sample Chain of Custody	14	⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AH-1 L1025188-01 Solid

Collected by

Collected date/time

Received date/time

09/05/18 08:30

09/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1166445	1	09/15/18 13:41	09/15/18 13:50	KS
Wet Chemistry by Method 300.0	WG1165664	5	09/13/18 13:35	09/13/18 17:34	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1166741	1	09/13/18 14:03	09/15/18 13:54	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1166332	1	09/13/18 14:03	09/14/18 18:58	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1166249	1	09/14/18 07:20	09/14/18 22:16	AAT

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ACCOUNT:

ConocoPhillips - Tetra Tech

PROJECT:

212C-MD-01391

SDG:

L1025188

DATE/TIME:

09/20/18 15:40

PAGE:

3 of 15



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 Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/15/2018 13:50	WG1166445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2280		4.41	10.0	55.4	5	09/13/2018 17:34	WG1165664

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0240	0.100	0.111	1	09/15/2018 13:54	WG1166741
(S) a,a,a-Trifluorotoluene(FID)	98.2				77.0-120		09/15/2018 13:54	WG1166741

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000443	0.00100	0.00111	1	09/14/2018 18:58	WG1166332
Toluene	U		0.00139	0.00500	0.00554	1	09/14/2018 18:58	WG1166332
Ethylbenzene	U		0.000587	0.00250	0.00277	1	09/14/2018 18:58	WG1166332
Total Xylenes	U		0.00530	0.00650	0.00720	1	09/14/2018 18:58	WG1166332
(S) Toluene-d8	106				75.0-131		09/14/2018 18:58	WG1166332
(S) Dibromofluoromethane	92.0				65.0-129		09/14/2018 18:58	WG1166332
(S) a,a,a-Trifluorotoluene	110				80.0-120		09/14/2018 18:58	WG1166332
(S) 4-Bromofluorobenzene	110				67.0-138		09/14/2018 18:58	WG1166332

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	15.3		1.78	4.00	4.43	1	09/14/2018 22:16	WG1166249
C28-C40 Oil Range	15.4		0.304	4.00	4.43	1	09/14/2018 22:16	WG1166249
(S) o-Terphenyl	52.0				18.0-148		09/14/2018 22:16	WG1166249



Total Solids by Method 2540 G-2011

L1025188-01

Method Blank (MB)

(MB) R3342483-1 09/15/18 13:50

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

Cp

 ${}^2\text{Tc}$

Ss

 C_n ⁵Sr

Qc

L1025194-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1025194-01 09/15/18 13:50 • (DUP) R3342483-3 09/15/18 13:50

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	85.3	85.4	1	0.194		10

GI

 ${}^3\text{Al}$

Sc

Laboratory Control Sample (LCS)

(LCS) R3342483-2 09/15/18 13:50

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



Method Blank (MB)

(MB) R3341895-1 09/13/18 15:37

	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

L1025062-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1025062-01 09/13/18 16:15 • (DUP) R3341895-4 09/13/18 16:24

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	26.0	26.6	1	2.50		20

L1025333-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1025333-05 09/13/18 18:44 • (DUP) R3341895-7 09/13/18 18:53

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	807	825	1	2.18		20

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

(LCS) R3341895-2 09/13/18 15:45 • (LCSD) R3341895-3 09/13/18 15:54

	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	188	190	93.9	95.0	90.0-110			1.23	20

L1025062-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1025062-02 09/13/18 16:32 • (MS) R3341895-5 09/13/18 16:41 • (MSD) R3341895-6 09/13/18 16:50

	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	520	34.0	548	502	98.8	90.0	1	80.0-120			8.69	20

Method Blank (MB)

(MB) R3342260-5 09/15/18 07:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0240	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

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) R3342260-3 09/15/18 05:54 • (LCSD) R3342260-4 09/15/18 06:18

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 %
TPH (GC/FID) Low Fraction	5.50	5.64	5.59	102	102	72.0-127			0.861	20
(S) a,a,a-Trifluorotoluene(FID)				106	105	77.0-120				



Method Blank (MB)

(MB) R3342707-2 09/14/18 10:36

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	111			75.0-131
(S) Dibromofluoromethane	86.5			65.0-129
(S) a,a,a-Trifluorotoluene	102			80.0-120
(S) 4-Bromofluorobenzene	104			67.0-138

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) R3342707-1 09/14/18 09:35 • (LCSD) R3342707-3 09/14/18 11:29

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	0.106	0.118	85.1	94.2	70.0-123			10.1	20
Ethylbenzene	0.125	0.120	0.135	96.0	108	74.0-126			12.1	20
Toluene	0.125	0.125	0.141	99.8	113	75.0-121			12.3	20
Xylenes, Total	0.375	0.375	0.436	100	116	72.0-127			15.0	20
(S) Toluene-d8				101	102	75.0-131				
(S) Dibromofluoromethane				97.9	91.0	65.0-129				
(S) a,a,a-Trifluorotoluene				106	107	80.0-120				
(S) 4-Bromofluorobenzene				111	109	67.0-138				

L1025177-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1025177-09 09/14/18 19:18 • (MS) R3342707-4 09/14/18 19:39 • (MSD) R3342707-5 09/14/18 19:59

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.150	0.00953	0.160	0.274	11.7	20.6	8.56	10.0-149		J3	52.6	37
Ethylbenzene	0.150	0.0345	0.395	0.627	28.1	46.1	8.56	10.0-160		J3	45.4	38
Toluene	0.150	U	0.242	0.422	18.8	32.9	8.56	10.0-156		J3	54.4	38
Xylenes, Total	0.450	0.0550	1.31	2.34	32.6	59.4	8.56	10.0-160		J3	56.5	38
(S) Toluene-d8					101	112		75.0-131				
(S) Dibromofluoromethane					92.3	92.6		65.0-129				
(S) a,a,a-Trifluorotoluene					108	102		80.0-120				
(S) 4-Bromofluorobenzene					114	112		67.0-138				

Sample Narrative:



L1025177-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1025177-09 09/14/18 19:18 • (MS) R3342707-4 09/14/18 19:39 • (MSD) R3342707-5 09/14/18 19:59

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%

OS: Non-target compounds too high to run at a lower dilution.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3342143-1 09/14/18 21:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	71.8			18.0-148

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

(LCS) R3342143-2 09/14/18 21:35 • (LCSD) R3342143-3 09/14/18 21:49

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	38.4	37.8	76.8	75.6	50.0-150			1.57	20
(S) o-Terphenyl				73.0	74.9	18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Guide to Reading and Understanding Your Laboratory Report

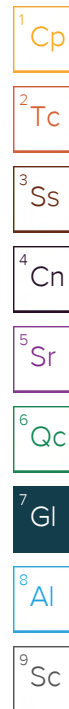
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.
J3	The associated batch QC was outside the established quality control range for precision.





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

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

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	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

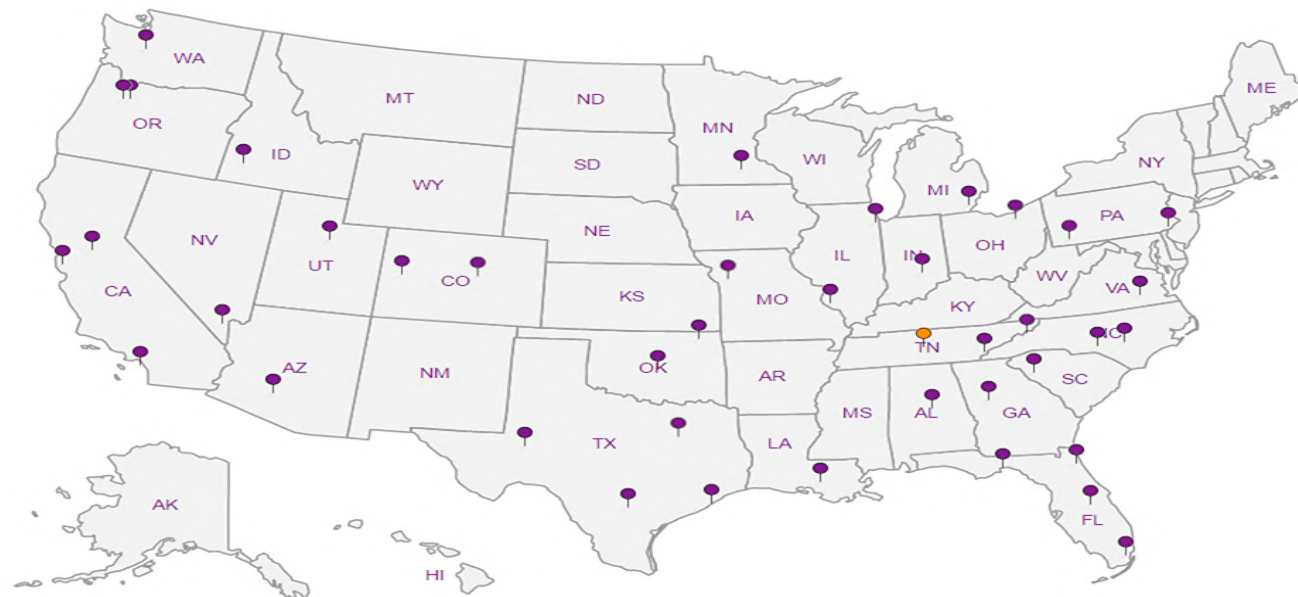
Third Party Federal Accreditations

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		

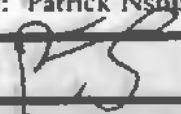
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

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.



Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:	ESD06	L 1025188
Cooler Received/Opened On: 09/14/18	Temperature:	0.3
Received By: Patrick Nshizirungu		
Signature: 		
Receipt Check List		
	NP	Yes
COC Seal Present / Intact?		
COC Signed / Accurate?		
Bottles arrive intact?		
Correct bottles used?		
Sufficient volume sent?		
If Applicable		
VOA Zero headspace?		
Preservation Correct / Checked?		

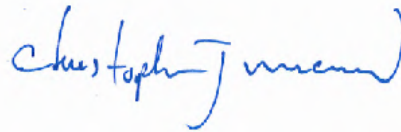
September 27, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1027074
Samples Received: 09/19/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



WSW-3 L1027074-01 Solid

Collected by
Joe Tyler

Collected date/time
09/11/18 10:30

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 16:19	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 10:15	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/22/18 23:54	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 03:02	AAT

¹ Cp

² Tc

³ Ss

⁴ Cn

AH-4 (3-4') L1027074-02 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 12:30

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 16:36	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 00:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 00:13	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 01:41	AAT

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

SSW-1 L1027074-03 Solid

Collected by
Joe Tyler

Collected date/time
09/11/18 13:50

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	10	09/20/18 01:09	09/21/18 16:45	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 01:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 00:33	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	4	09/25/18 07:42	09/26/18 06:25	AAT

⁹ Sc

NSW-1 L1027074-04 Solid

Collected by
Joe Tyler

Collected date/time
09/11/18 13:55

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	20	09/20/18 01:09	09/21/18 16:53	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 01:41	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 00:52	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	10	09/25/18 07:42	09/26/18 06:39	AAT

AH-2 L1027074-05 Solid

Collected by
Joe Tyler

Collected date/time
09/11/18 14:00

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	10	09/20/18 01:09	09/21/18 17:02	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 02:04	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 01:12	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	4	09/25/18 07:42	09/26/18 06:12	AAT

ACCOUNT:

ConocoPhillips - Tetra Tech

PROJECT:

212C-MD-01391

SDG:

L1027074

DATE/TIME:

09/27/18 14:56

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



WSW-4 L1027074-06 Solid

Collected by
Joe Tyler

Collected date/time
09/12/18 12:50

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 17:11	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 02:26	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 01:31	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 03:16	AAT

¹ Cp

² Tc

³ Ss

⁴ Cn

AH-10 L1027074-07 Solid

Collected by
Joe Tyler

Collected date/time
09/12/18 13:15

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	5	09/20/18 01:09	09/21/18 17:46	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 02:49	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 01:51	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 01:55	AAT

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

AH-11 L1027074-08 Solid

Collected by
Joe Tyler

Collected date/time
09/12/18 13:20

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 17:55	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 03:11	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 02:11	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 03:29	AAT

⁹ Sc

ESW-3(2') L1027074-09 Solid

Collected by
Joe Tyler

Collected date/time
09/13/18 10:05

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	5	09/20/18 01:09	09/21/18 21:17	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 03:33	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170228	1	09/21/18 15:34	09/23/18 02:30	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	2	09/25/18 07:42	09/26/18 05:04	AAT

ESW-4(2') L1027074-10 Solid

Collected by
Joe Tyler

Collected date/time
09/13/18 10:20

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169529	1	09/21/18 10:48	09/21/18 10:57	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 18:12	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 03:55	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170246	1	09/21/18 15:34	09/23/18 08:32	BMB
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 03:43	AAT

ACCOUNT:

ConocoPhillips - Tetra Tech

PROJECT:

212C-MD-01391

SDG:

L1027074

DATE/TIME:

09/27/18 14:56

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AH-10 L1027074-11 Solid

			Collected by	Collected date/time	Received date/time
			Joe Tyler	09/13/18 11:05	09/19/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169747	1	09/22/18 12:59	09/22/18 13:07	KDW
Wet Chemistry by Method 300.0	WG1168636	5	09/20/18 01:09	09/21/18 18:39	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 04:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170246	1	09/21/18 15:34	09/23/18 08:52	BMB
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 02:09	AAT

1
Cp2
Tc3
Ss4
Cn

NSW-5 L1027074-12 Solid

			Collected by	Collected date/time	Received date/time
			Joe Tyler	09/13/18 13:10	09/19/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169747	1	09/22/18 12:59	09/22/18 13:07	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 18:48	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 04:40	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170246	1	09/21/18 15:34	09/23/18 09:12	BMB
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	5	09/25/18 07:42	09/26/18 05:45	AAT

5
Sr6
Qc7
Gl8
Al

NSW-6 L1027074-13 Solid

			Collected by	Collected date/time	Received date/time
			Joe Tyler	09/13/18 13:05	09/19/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169747	1	09/22/18 12:59	09/22/18 13:07	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 18:56	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/21/18 15:34	09/25/18 05:02	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170246	1	09/21/18 15:34	09/23/18 09:33	BMB
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	20	09/25/18 07:42	09/26/18 06:52	AAT

9
Sc

AH-6 L1027074-14 Solid

			Collected by	Collected date/time	Received date/time
			Joe Tyler	09/13/18 13:00	09/19/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 19:23	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 07:10	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 20:13	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	10	09/25/18 07:42	09/26/18 05:58	AAT

AH-5 L1027074-15 Solid

			Collected by	Collected date/time	Received date/time
			Joe Tyler	09/14/18 11:10	09/19/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 19:31	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 07:32	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 20:34	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 02:22	AAT

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



NSW-3(2') L1027074-16 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 11:50

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	5	09/20/18 01:09	09/21/18 19:40	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 07:54	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 20:54	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 02:36	AAT

¹ Cp

² Tc

³ Ss

⁴ Cn

NSW-4(2') L1027074-17 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 12:05

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 19:49	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 08:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 21:14	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 02:49	AAT

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

SSW-3(2') L1027074-18 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 12:10

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 19:58	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 09:08	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 21:35	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 04:37	AAT

⁹ Sc

SSW-4(2') L1027074-19 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 12:20

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	1	09/20/18 01:09	09/21/18 20:06	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 09:31	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 21:56	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169303	1	09/25/18 07:42	09/26/18 04:51	AAT

WSW-1(3') L1027074-21 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 13:40

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168636	5	09/20/18 01:09	09/21/18 20:15	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170771	1	09/24/18 11:41	09/25/18 09:53	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 22:16	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169304	1	09/25/18 09:52	09/26/18 11:29	AAT

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



WSW-2(3') L1027074-22 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 13:54

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168638	5	09/20/18 01:07	09/24/18 21:23	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170861	1	09/24/18 11:41	09/25/18 15:32	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 22:36	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169304	1	09/25/18 09:52	09/26/18 11:41	AAT

¹Cp

²Tc

³Ss

⁴Cn

NSW-9 L1027074-23 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 16:10

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168638	1	09/20/18 01:07	09/24/18 21:32	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170861	1	09/24/18 11:41	09/25/18 15:53	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1171256	1	09/24/18 11:41	09/26/18 00:24	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169304	1	09/25/18 09:52	09/26/18 11:54	AAT

⁵Sr

⁶Qc

⁷Gl

⁸Al

ESW-5 L1027074-24 Solid

Collected by
Joe Tyler

Collected date/time
09/14/18 14:49

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169750	1	09/22/18 12:43	09/22/18 12:52	KDW
Wet Chemistry by Method 300.0	WG1168088	1	09/20/18 15:29	09/21/18 01:32	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170861	1	09/24/18 11:41	09/25/18 16:14	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1171256	1	09/24/18 11:41	09/26/18 00:44	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169304	1	09/25/18 09:52	09/26/18 12:06	AAT

ESW-1(2') L1027074-25 Solid

Collected by
Joe Tyler

Collected date/time
09/13/18 08:15

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169752	1	09/22/18 12:20	09/22/18 12:40	KDW
Wet Chemistry by Method 300.0	WG1168088	1	09/20/18 15:29	09/21/18 01:40	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170861	1	09/24/18 11:41	09/25/18 16:35	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 22:57	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169304	5	09/25/18 09:52	09/26/18 12:44	AAT

AH-3 L1027074-26 Solid

Collected by
Joe Tyler

Collected date/time
09/11/18 14:10

Received date/time
09/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1169752	1	09/22/18 12:20	09/22/18 12:40	KDW
Wet Chemistry by Method 300.0	WG1168088	1	09/20/18 15:29	09/21/18 01:49	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1170861	1	09/24/18 11:41	09/25/18 16:56	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170977	1	09/24/18 11:41	09/25/18 16:48	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1169304	5	09/25/18 09:52	09/26/18 12:57	AAT



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	Batch
	%			date / time	
Total Solids	89.2		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	696		0.892	10.0	11.2	1	09/21/2018 16:19	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0243	0.100	0.112	1	09/25/2018 10:15	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	94.6				77.0-120		09/25/2018 10:15	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000449	0.00100	0.00112	1	09/22/2018 23:54	WG1170228
Toluene	U		0.00140	0.00500	0.00561	1	09/22/2018 23:54	WG1170228
Ethylbenzene	U		0.000594	0.00250	0.00280	1	09/22/2018 23:54	WG1170228
Total Xylenes	U		0.00536	0.00650	0.00729	1	09/22/2018 23:54	WG1170228
(S) Toluene-d8	119				75.0-131		09/22/2018 23:54	WG1170228
(S) Dibromofluoromethane	87.7				65.0-129		09/22/2018 23:54	WG1170228
(S) a,a,a-Trifluorotoluene	99.6				80.0-120		09/22/2018 23:54	WG1170228
(S) 4-Bromofluorobenzene	87.8				67.0-138		09/22/2018 23:54	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	14.4		1.81	4.00	4.49	1	09/26/2018 03:02	WG1169303
C28-C40 Oil Range	12.3		0.307	4.00	4.49	1	09/26/2018 03:02	WG1169303
(S) o-Terphenyl	72.9				18.0-148		09/26/2018 03:02	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	537		0.924	10.0	11.6	1	09/21/2018 16:36	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0252	0.100	0.116	1	09/25/2018 00:57	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	97.3				77.0-120		09/25/2018 00:57	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000465	0.00100	0.00116	1	09/23/2018 00:13	WG1170228
Toluene	U		0.00145	0.00500	0.00581	1	09/23/2018 00:13	WG1170228
Ethylbenzene	U		0.000616	0.00250	0.00290	1	09/23/2018 00:13	WG1170228
Total Xylenes	U		0.00555	0.00650	0.00755	1	09/23/2018 00:13	WG1170228
(S) Toluene-d8	119				75.0-131		09/23/2018 00:13	WG1170228
(S) Dibromofluoromethane	90.6				65.0-129		09/23/2018 00:13	WG1170228
(S) a,a,a-Trifluorotoluene	99.7				80.0-120		09/23/2018 00:13	WG1170228
(S) 4-Bromofluorobenzene	100				67.0-138		09/23/2018 00:13	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.87	4.00	4.65	1	09/26/2018 01:41	WG1169303
C28-C40 Oil Range	0.399	J	0.318	4.00	4.65	1	09/26/2018 01:41	WG1169303
(S) o-Terphenyl	77.6				18.0-148		09/26/2018 01:41	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.8		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	4070		8.39	10.0	106	10	09/21/2018 16:45	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0229	0.100	0.106	1	09/25/2018 01:19	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.1				77.0-120		09/25/2018 01:19	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000422	0.00100	0.00106	1	09/23/2018 00:33	WG1170228
Toluene	U		0.00132	0.00500	0.00528	1	09/23/2018 00:33	WG1170228
Ethylbenzene	U		0.000559	0.00250	0.00264	1	09/23/2018 00:33	WG1170228
Total Xylenes	U		0.00504	0.00650	0.00686	1	09/23/2018 00:33	WG1170228
(S) Toluene-d8	118				75.0-131		09/23/2018 00:33	WG1170228
(S) Dibromofluoromethane	90.4				65.0-129		09/23/2018 00:33	WG1170228
(S) a,a,a-Trifluorotoluene	99.4				80.0-120		09/23/2018 00:33	WG1170228
(S) 4-Bromofluorobenzene	100				67.0-138		09/23/2018 00:33	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	34.0		6.80	4.00	16.9	4	09/26/2018 06:25	WG1169303
C28-C40 Oil Range	53.5		1.16	4.00	16.9	4	09/26/2018 06:25	WG1169303
(S) o-Terphenyl	83.5				18.0-148		09/26/2018 06:25	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	09/21/2018 10:57	WG1169529

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	10200		16.6	10.0	208	20	09/21/2018 16:53	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0226	0.100	0.104	1	09/25/2018 01:41	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.4				77.0-120		09/25/2018 01:41	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000417	0.00100	0.00104	1	09/23/2018 00:52	WG1170228
Toluene	U		0.00130	0.00500	0.00521	1	09/23/2018 00:52	WG1170228
Ethylbenzene	U		0.000552	0.00250	0.00260	1	09/23/2018 00:52	WG1170228
Total Xylenes	U		0.00498	0.00650	0.00677	1	09/23/2018 00:52	WG1170228
(S) Toluene-d8	119				75.0-131		09/23/2018 00:52	WG1170228
(S) Dibromofluoromethane	90.3				65.0-129		09/23/2018 00:52	WG1170228
(S) a,a,a-Trifluorotoluene	103				80.0-120		09/23/2018 00:52	WG1170228
(S) 4-Bromofluorobenzene	85.1				67.0-138		09/23/2018 00:52	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	107		16.8	4.00	41.7	10	09/26/2018 06:39	WG1169303
C28-C40 Oil Range	177		2.85	4.00	41.7	10	09/26/2018 06:39	WG1169303
(S) o-Terphenyl	66.9				18.0-148		09/26/2018 06:39	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	3530		8.36	10.0	105	10	09/21/2018 17:02	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.100	0.105	1	09/25/2018 02:04	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.0				77.0-120		09/25/2018 02:04	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000421	0.00100	0.00105	1	09/23/2018 01:12	WG1170228
Toluene	U		0.00131	0.00500	0.00526	1	09/23/2018 01:12	WG1170228
Ethylbenzene	U		0.000558	0.00250	0.00263	1	09/23/2018 01:12	WG1170228
Total Xylenes	U		0.00503	0.00650	0.00684	1	09/23/2018 01:12	WG1170228
(S) Toluene-d8	119				75.0-131		09/23/2018 01:12	WG1170228
(S) Dibromofluoromethane	92.4				65.0-129		09/23/2018 01:12	WG1170228
(S) a,a,a-Trifluorotoluene	99.9				80.0-120		09/23/2018 01:12	WG1170228
(S) 4-Bromofluorobenzene	86.2				67.0-138		09/23/2018 01:12	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	61.3		6.77	4.00	16.8	4	09/26/2018 06:12	WG1169303
C28-C40 Oil Range	97.8		1.15	4.00	16.8	4	09/26/2018 06:12	WG1169303
(S) o-Terphenyl	64.8				18.0-148		09/26/2018 06:12	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	48.7		0.867	10.0	10.9	1	09/21/2018 17:11	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.100	0.109	1	09/25/2018 02:26	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.8				77.0-120		09/25/2018 02:26	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000436	0.00100	0.00109	1	09/23/2018 01:31	WG1170228
Toluene	U		0.00136	0.00500	0.00545	1	09/23/2018 01:31	WG1170228
Ethylbenzene	U		0.000578	0.00250	0.00273	1	09/23/2018 01:31	WG1170228
Total Xylenes	U		0.00521	0.00650	0.00709	1	09/23/2018 01:31	WG1170228
(S) Toluene-d8	118				75.0-131		09/23/2018 01:31	WG1170228
(S) Dibromofluoromethane	87.9				65.0-129		09/23/2018 01:31	WG1170228
(S) a,a,a-Trifluorotoluene	100				80.0-120		09/23/2018 01:31	WG1170228
(S) 4-Bromofluorobenzene	91.9				67.0-138		09/23/2018 01:31	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.24		1.76	4.00	4.36	1	09/26/2018 03:16	WG1169303
C28-C40 Oil Range	8.69		0.299	4.00	4.36	1	09/26/2018 03:16	WG1169303
(S) o-Terphenyl	70.7				18.0-148		09/26/2018 03:16	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	1310		4.76	10.0	59.8	5	09/21/2018 17:46	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0260	0.100	0.120	1	09/25/2018 02:49	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.7				77.0-120		09/25/2018 02:49	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000478	0.00100	0.00120	1	09/23/2018 01:51	WG1170228
Toluene	U		0.00150	0.00500	0.00598	1	09/23/2018 01:51	WG1170228
Ethylbenzene	U		0.000634	0.00250	0.00299	1	09/23/2018 01:51	WG1170228
Total Xylenes	U		0.00572	0.00650	0.00778	1	09/23/2018 01:51	WG1170228
(S) Toluene-d8	117				75.0-131		09/23/2018 01:51	WG1170228
(S) Dibromofluoromethane	89.8				65.0-129		09/23/2018 01:51	WG1170228
(S) a,a,a-Trifluorotoluene	100				80.0-120		09/23/2018 01:51	WG1170228
(S) 4-Bromofluorobenzene	97.2				67.0-138		09/23/2018 01:51	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.93	4.00	4.78	1	09/26/2018 01:55	WG1169303
C28-C40 Oil Range	1.54	J	0.328	4.00	4.78	1	09/26/2018 01:55	WG1169303
(S) o-Terphenyl	81.1				18.0-148		09/26/2018 01:55	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.8		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	161		0.876	10.0	11.0	1	09/21/2018 17:55	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0239	0.100	0.110	1	09/25/2018 03:11	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		09/25/2018 03:11	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000441	0.00100	0.00110	1	09/23/2018 02:11	WG1170228
Toluene	U		0.00138	0.00500	0.00551	1	09/23/2018 02:11	WG1170228
Ethylbenzene	U		0.000584	0.00250	0.00275	1	09/23/2018 02:11	WG1170228
Total Xylenes	U		0.00526	0.00650	0.00716	1	09/23/2018 02:11	WG1170228
(S) Toluene-d8	117				75.0-131		09/23/2018 02:11	WG1170228
(S) Dibromofluoromethane	91.3				65.0-129		09/23/2018 02:11	WG1170228
(S) a,a,a-Trifluorotoluene	101				80.0-120		09/23/2018 02:11	WG1170228
(S) 4-Bromofluorobenzene	85.0				67.0-138		09/23/2018 02:11	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	11.6		1.77	4.00	4.41	1	09/26/2018 03:29	WG1169303
C28-C40 Oil Range	17.8		0.302	4.00	4.41	1	09/26/2018 03:29	WG1169303
(S) o-Terphenyl	68.0				18.0-148		09/26/2018 03:29	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/21/2018 10:57	WG1169529

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1860		4.60	10.0	57.9	5	09/21/2018 21:17	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0251	0.100	0.116	1	09/25/2018 03:33	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.3				77.0-120		09/25/2018 03:33	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000463	0.00100	0.00116	1	09/23/2018 02:30	WG1170228
Toluene	U		0.00145	0.00500	0.00579	1	09/23/2018 02:30	WG1170228
Ethylbenzene	U		0.000613	0.00250	0.00289	1	09/23/2018 02:30	WG1170228
Total Xylenes	U		0.00553	0.00650	0.00752	1	09/23/2018 02:30	WG1170228
(S) Toluene-d8	117				75.0-131		09/23/2018 02:30	WG1170228
(S) Dibromofluoromethane	92.1				65.0-129		09/23/2018 02:30	WG1170228
(S) a,a,a-Trifluorotoluene	102				80.0-120		09/23/2018 02:30	WG1170228
(S) 4-Bromofluorobenzene	85.4				67.0-138		09/23/2018 02:30	WG1170228

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	14.4	J3 J6	3.73	4.00	9.26	2	09/26/2018 05:04	WG1169303
C28-C40 Oil Range	34.7		0.634	4.00	9.26	2	09/26/2018 05:04	WG1169303
(S) o-Terphenyl	67.1				18.0-148		09/26/2018 05:04	WG1169303

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	09/21/2018 10:57	WG1169529

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	698	J6	0.912	10.0	11.5	1	09/21/2018 18:12	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0249	0.100	0.115	1	09/25/2018 03:55	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.5				77.0-120		09/25/2018 03:55	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000459	0.00100	0.00115	1	09/23/2018 08:32	WG1170246
Toluene	U		0.00143	0.00500	0.00573	1	09/23/2018 08:32	WG1170246
Ethylbenzene	U		0.000608	0.00250	0.00287	1	09/23/2018 08:32	WG1170246
Total Xylenes	U		0.00548	0.00650	0.00745	1	09/23/2018 08:32	WG1170246
(S) Toluene-d8	106				75.0-131		09/23/2018 08:32	WG1170246
(S) Dibromofluoromethane	104				65.0-129		09/23/2018 08:32	WG1170246
(S) a,a,a-Trifluorotoluene	101				80.0-120		09/23/2018 08:32	WG1170246
(S) 4-Bromofluorobenzene	110				67.0-138		09/23/2018 08:32	WG1170246

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.50	J	1.85	4.00	4.59	1	09/26/2018 03:43	WG1169303
C28-C40 Oil Range	8.20		0.314	4.00	4.59	1	09/26/2018 03:43	WG1169303
(S) o-Terphenyl	73.3				18.0-148		09/26/2018 03:43	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	09/22/2018 13:07	WG1169747

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1930		4.68	10.0	58.8	5	09/21/2018 18:39	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0255	0.100	0.118	1	09/25/2018 04:18	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	97.1				77.0-120		09/25/2018 04:18	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000471	0.00100	0.00118	1	09/23/2018 08:52	WG1170246
Toluene	U		0.00147	0.00500	0.00588	1	09/23/2018 08:52	WG1170246
Ethylbenzene	U		0.000624	0.00250	0.00294	1	09/23/2018 08:52	WG1170246
Total Xylenes	U		0.00562	0.00650	0.00765	1	09/23/2018 08:52	WG1170246
(S) Toluene-d8	107				75.0-131		09/23/2018 08:52	WG1170246
(S) Dibromofluoromethane	102				65.0-129		09/23/2018 08:52	WG1170246
(S) a,a,a-Trifluorotoluene	104				80.0-120		09/23/2018 08:52	WG1170246
(S) 4-Bromofluorobenzene	108				67.0-138		09/23/2018 08:52	WG1170246

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.89	4.00	4.71	1	09/26/2018 02:09	WG1169303
C28-C40 Oil Range	U		0.322	4.00	4.71	1	09/26/2018 02:09	WG1169303
(S) o-Terphenyl	82.1				18.0-148		09/26/2018 02:09	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	09/22/2018 13:07	WG1169747

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	554		0.874	10.0	11.0	1	09/21/2018 18:48	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0238	0.100	0.110	1	09/25/2018 04:40	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.1				77.0-120		09/25/2018 04:40	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000440	0.00100	0.00110	1	09/23/2018 09:12	WG1170246
Toluene	U		0.00137	0.00500	0.00549	1	09/23/2018 09:12	WG1170246
Ethylbenzene	U		0.000582	0.00250	0.00275	1	09/23/2018 09:12	WG1170246
Total Xylenes	U		0.00525	0.00650	0.00714	1	09/23/2018 09:12	WG1170246
(S) Toluene-d8	107				75.0-131		09/23/2018 09:12	WG1170246
(S) Dibromofluoromethane	105				65.0-129		09/23/2018 09:12	WG1170246
(S) a,a,a-Trifluorotoluene	103				80.0-120		09/23/2018 09:12	WG1170246
(S) 4-Bromofluorobenzene	109				67.0-138		09/23/2018 09:12	WG1170246

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	30.1		8.85	4.00	22.0	5	09/26/2018 05:45	WG1169303
C28-C40 Oil Range	79.7		1.51	4.00	22.0	5	09/26/2018 05:45	WG1169303
(S) o-Terphenyl	82.3				18.0-148		09/26/2018 05:45	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/22/2018 13:07	WG1169747

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	258		0.869	10.0	10.9	1	09/21/2018 18:56	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.100	0.109	1	09/25/2018 05:02	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	86.9				77.0-120		09/25/2018 05:02	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000437	0.00100	0.00109	1	09/23/2018 09:33	WG1170246
Toluene	U		0.00137	0.00500	0.00546	1	09/23/2018 09:33	WG1170246
Ethylbenzene	U		0.000579	0.00250	0.00273	1	09/23/2018 09:33	WG1170246
Total Xylenes	U		0.00522	0.00650	0.00710	1	09/23/2018 09:33	WG1170246
(S) Toluene-d8	106				75.0-131		09/23/2018 09:33	WG1170246
(S) Dibromofluoromethane	101				65.0-129		09/23/2018 09:33	WG1170246
(S) a,a,a-Trifluorotoluene	105				80.0-120		09/23/2018 09:33	WG1170246
(S) 4-Bromofluorobenzene	105				67.0-138		09/23/2018 09:33	WG1170246

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	173		35.2	4.00	87.4	20	09/26/2018 06:52	WG1169303
C28-C40 Oil Range	405		5.99	4.00	87.4	20	09/26/2018 06:52	WG1169303
(S) o-Terphenyl	71.8	J7			18.0-148		09/26/2018 06:52	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	384		0.928	10.0	11.7	1	09/21/2018 19:23	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0253	0.100	0.117	1	09/25/2018 07:10	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	97.1				77.0-120		09/25/2018 07:10	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	0.00117	1	09/25/2018 20:13	WG1170977
Toluene	U		0.00146	0.00500	0.00583	1	09/25/2018 20:13	WG1170977
Ethylbenzene	U		0.000618	0.00250	0.00292	1	09/25/2018 20:13	WG1170977
Total Xylenes	U		0.00558	0.00650	0.00758	1	09/25/2018 20:13	WG1170977
(S) Toluene-d8	108				75.0-131		09/25/2018 20:13	WG1170977
(S) Dibromofluoromethane	112				65.0-129		09/25/2018 20:13	WG1170977
(S) a,a,a-Trifluorotoluene	93.6				80.0-120		09/25/2018 20:13	WG1170977
(S) 4-Bromofluorobenzene	110				67.0-138		09/25/2018 20:13	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	91.5		18.8	4.00	46.7	10	09/26/2018 05:58	WG1169303
C28-C40 Oil Range	176		3.20	4.00	46.7	10	09/26/2018 05:58	WG1169303
(S) o-Terphenyl	69.4				18.0-148		09/26/2018 05:58	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	755		0.870	10.0	10.9	1	09/21/2018 19:31	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.100	0.109	1	09/25/2018 07:32	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	97.8				77.0-120		09/25/2018 07:32	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000438	0.00100	0.00109	1	09/25/2018 20:34	WG1170977
Toluene	U		0.00137	0.00500	0.00547	1	09/25/2018 20:34	WG1170977
Ethylbenzene	U		0.000580	0.00250	0.00273	1	09/25/2018 20:34	WG1170977
Total Xylenes	U		0.00523	0.00650	0.00711	1	09/25/2018 20:34	WG1170977
(S) Toluene-d8	110				75.0-131		09/25/2018 20:34	WG1170977
(S) Dibromofluoromethane	109				65.0-129		09/25/2018 20:34	WG1170977
(S) a,a,a-Trifluorotoluene	93.7				80.0-120		09/25/2018 20:34	WG1170977
(S) 4-Bromofluorobenzene	112				67.0-138		09/25/2018 20:34	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	9.43		1.76	4.00	4.38	1	09/26/2018 02:22	WG1169303
C28-C40 Oil Range	7.79		0.300	4.00	4.38	1	09/26/2018 02:22	WG1169303
(S) o-Terphenyl	74.5				18.0-148		09/26/2018 02:22	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1300		4.40	10.0	55.3	5	09/21/2018 19:40	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0240	0.100	0.111	1	09/25/2018 07:54	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.8				77.0-120		09/25/2018 07:54	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000443	0.00100	0.00111	1	09/25/2018 20:54	WG1170977
Toluene	U		0.00138	0.00500	0.00553	1	09/25/2018 20:54	WG1170977
Ethylbenzene	U		0.000586	0.00250	0.00277	1	09/25/2018 20:54	WG1170977
Total Xylenes	U		0.00529	0.00650	0.00719	1	09/25/2018 20:54	WG1170977
(S) Toluene-d8	107				75.0-131		09/25/2018 20:54	WG1170977
(S) Dibromofluoromethane	110				65.0-129		09/25/2018 20:54	WG1170977
(S) a,a,a-Trifluorotoluene	93.8				80.0-120		09/25/2018 20:54	WG1170977
(S) 4-Bromofluorobenzene	110				67.0-138		09/25/2018 20:54	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.90	J	1.78	4.00	4.43	1	09/26/2018 02:36	WG1169303
C28-C40 Oil Range	2.58	J	0.303	4.00	4.43	1	09/26/2018 02:36	WG1169303
(S) o-Terphenyl	80.8				18.0-148		09/26/2018 02:36	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	260		0.871	10.0	10.9	1	09/21/2018 19:49	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0238	0.100	0.109	1	09/25/2018 08:44	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.2				77.0-120		09/25/2018 08:44	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000438	0.00100	0.00109	1	09/25/2018 21:14	WG1170977
Toluene	U		0.00137	0.00500	0.00547	1	09/25/2018 21:14	WG1170977
Ethylbenzene	U		0.000580	0.00250	0.00274	1	09/25/2018 21:14	WG1170977
Total Xylenes	U		0.00523	0.00650	0.00712	1	09/25/2018 21:14	WG1170977
(S) Toluene-d8	110				75.0-131		09/25/2018 21:14	WG1170977
(S) Dibromofluoromethane	113				65.0-129		09/25/2018 21:14	WG1170977
(S) a,a,a-Trifluorotoluene	93.6				80.0-120		09/25/2018 21:14	WG1170977
(S) 4-Bromofluorobenzene	110				67.0-138		09/25/2018 21:14	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	90.3		1.76	4.00	4.38	1	09/26/2018 02:49	WG1169303
C28-C40 Oil Range	87.5		0.300	4.00	4.38	1	09/26/2018 02:49	WG1169303
(S) o-Terphenyl	62.5				18.0-148		09/26/2018 02:49	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	406		0.871	10.0	11.0	1	09/21/2018 19:58	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0238	0.100	0.110	1	09/25/2018 09:08	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	95.8				77.0-120		09/25/2018 09:08	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000438	0.00100	0.00110	1	09/25/2018 21:35	WG1170977
Toluene	U		0.00137	0.00500	0.00548	1	09/25/2018 21:35	WG1170977
Ethylbenzene	U		0.000581	0.00250	0.00274	1	09/25/2018 21:35	WG1170977
Total Xylenes	U		0.00524	0.00650	0.00712	1	09/25/2018 21:35	WG1170977
(S) Toluene-d8	114				75.0-131		09/25/2018 21:35	WG1170977
(S) Dibromofluoromethane	107				65.0-129		09/25/2018 21:35	WG1170977
(S) a,a,a-Trifluorotoluene	93.9				80.0-120		09/25/2018 21:35	WG1170977
(S) 4-Bromofluorobenzene	109				67.0-138		09/25/2018 21:35	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	43.9		1.76	4.00	4.38	1	09/26/2018 04:37	WG1169303
C28-C40 Oil Range	41.2		0.300	4.00	4.38	1	09/26/2018 04:37	WG1169303
(S) o-Terphenyl	59.9				18.0-148		09/26/2018 04:37	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	216		0.876	10.0	11.0	1	09/21/2018 20:06	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.100	0.110	1	09/25/2018 09:31	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.0				77.0-120		09/25/2018 09:31	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000441	0.00100	0.00110	1	09/25/2018 21:56	WG1170977
Toluene	U		0.00138	0.00500	0.00551	1	09/25/2018 21:56	WG1170977
Ethylbenzene	U		0.000584	0.00250	0.00276	1	09/25/2018 21:56	WG1170977
Total Xylenes	U		0.00527	0.00650	0.00716	1	09/25/2018 21:56	WG1170977
(S) Toluene-d8	110				75.0-131		09/25/2018 21:56	WG1170977
(S) Dibromofluoromethane	109				65.0-129		09/25/2018 21:56	WG1170977
(S) a,a,a-Trifluorotoluene	92.3				80.0-120		09/25/2018 21:56	WG1170977
(S) 4-Bromofluorobenzene	110				67.0-138		09/25/2018 21:56	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	19.1		1.77	4.00	4.41	1	09/26/2018 04:51	WG1169303
C28-C40 Oil Range	17.9		0.302	4.00	4.41	1	09/26/2018 04:51	WG1169303
(S) o-Terphenyl	65.3				18.0-148		09/26/2018 04:51	WG1169303



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1250	J3	4.49	10.0	56.5	5	09/21/2018 20:15	WG1168636

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0245	0.100	0.113	1	09/25/2018 09:53	WG1170771
(S) a,a,a-Trifluorotoluene(FID)	96.8				77.0-120		09/25/2018 09:53	WG1170771

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000452	0.00100	0.00113	1	09/25/2018 22:16	WG1170977
Toluene	U		0.00141	0.00500	0.00565	1	09/25/2018 22:16	WG1170977
Ethylbenzene	U		0.000599	0.00250	0.00282	1	09/25/2018 22:16	WG1170977
Total Xylenes	U		0.00540	0.00650	0.00734	1	09/25/2018 22:16	WG1170977
(S) Toluene-d8	110				75.0-131		09/25/2018 22:16	WG1170977
(S) Dibromofluoromethane	107				65.0-129		09/25/2018 22:16	WG1170977
(S) a,a,a-Trifluorotoluene	95.3				80.0-120		09/25/2018 22:16	WG1170977
(S) 4-Bromofluorobenzene	115				67.0-138		09/25/2018 22:16	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.82	4.00	4.52	1	09/26/2018 11:29	WG1169304
C28-C40 Oil Range	1.69	J	0.310	4.00	4.52	1	09/26/2018 11:29	WG1169304
(S) o-Terphenyl	64.8				18.0-148		09/26/2018 11:29	WG1169304



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	09/22/2018 12:52	WG1169750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2320		4.59	10.0	57.8	5	09/24/2018 21:23	WG1168638

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0251	0.100	0.116	1	09/25/2018 15:32	WG1170861
(S) a,a,a-Trifluorotoluene(FID)	95.6				77.0-120		09/25/2018 15:32	WG1170861

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000462	0.00100	0.00116	1	09/25/2018 22:36	WG1170977
Toluene	U		0.00144	0.00500	0.00578	1	09/25/2018 22:36	WG1170977
Ethylbenzene	U		0.000612	0.00250	0.00289	1	09/25/2018 22:36	WG1170977
Total Xylenes	U		0.00552	0.00650	0.00751	1	09/25/2018 22:36	WG1170977
(S) Toluene-d8	111				75.0-131		09/25/2018 22:36	WG1170977
(S) Dibromofluoromethane	108				65.0-129		09/25/2018 22:36	WG1170977
(S) a,a,a-Trifluorotoluene	91.8				80.0-120		09/25/2018 22:36	WG1170977
(S) 4-Bromofluorobenzene	106				67.0-138		09/25/2018 22:36	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.99	J	1.86	4.00	4.62	1	09/26/2018 11:41	WG1169304
C28-C40 Oil Range	2.70	J	0.317	4.00	4.62	1	09/26/2018 11:41	WG1169304
(S) o-Terphenyl	74.4				18.0-148		09/26/2018 11:41	WG1169304



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/22/2018 12:52	WG1169750

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	99.7	J3	0.883	10.0	11.1	1	09/24/2018 21:32	WG1168638

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.100	0.111	1	09/25/2018 15:53	WG1170861
(S) a,a,a-Trifluorotoluene(FID)	96.2				77.0-120		09/25/2018 15:53	WG1170861

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000444	0.00100	0.00111	1	09/26/2018 00:24	WG1171256
Toluene	U		0.00139	0.00500	0.00555	1	09/26/2018 00:24	WG1171256
Ethylbenzene	U		0.000589	0.00250	0.00278	1	09/26/2018 00:24	WG1171256
Total Xylenes	U		0.00531	0.00650	0.00722	1	09/26/2018 00:24	WG1171256
(S) Toluene-d8	103				75.0-131		09/26/2018 00:24	WG1171256
(S) Dibromofluoromethane	98.0				65.0-129		09/26/2018 00:24	WG1171256
(S) a,a,a-Trifluorotoluene	106				80.0-120		09/26/2018 00:24	WG1171256
(S) 4-Bromofluorobenzene	107				67.0-138		09/26/2018 00:24	WG1171256

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	14.3		1.79	4.00	4.44	1	09/26/2018 11:54	WG1169304
C28-C40 Oil Range	28.8		0.304	4.00	4.44	1	09/26/2018 11:54	WG1169304
(S) o-Terphenyl	67.4				18.0-148		09/26/2018 11:54	WG1169304



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/22/2018 12:52	WG1169750

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	182		0.915	10.0	11.5	1	09/21/2018 01:32	WG1168088

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0250	0.100	0.115	1	09/25/2018 16:14	WG1170861
(S) a,a,a-Trifluorotoluene(FID)	96.9				77.0-120		09/25/2018 16:14	WG1170861

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000460	0.00100	0.00115	1	09/26/2018 00:44	WG1171256
Toluene	U		0.00144	0.00500	0.00575	1	09/26/2018 00:44	WG1171256
Ethylbenzene	U		0.000610	0.00250	0.00288	1	09/26/2018 00:44	WG1171256
Total Xylenes	U		0.00550	0.00650	0.00748	1	09/26/2018 00:44	WG1171256
(S) Toluene-d8	105				75.0-131		09/26/2018 00:44	WG1171256
(S) Dibromofluoromethane	98.4				65.0-129		09/26/2018 00:44	WG1171256
(S) a,a,a-Trifluorotoluene	103				80.0-120		09/26/2018 00:44	WG1171256
(S) 4-Bromofluorobenzene	109				67.0-138		09/26/2018 00:44	WG1171256

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	9.46		1.85	4.00	4.60	1	09/26/2018 12:06	WG1169304
C28-C40 Oil Range	23.2		0.315	4.00	4.60	1	09/26/2018 12:06	WG1169304
(S) o-Terphenyl	67.7				18.0-148		09/26/2018 12:06	WG1169304



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	09/22/2018 12:40	WG1169752

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	267		0.923	10.0	11.6	1	09/21/2018 01:40	WG1168088

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0252	0.100	0.116	1	09/25/2018 16:35	WG1170861
(S) a,a,a-Trifluorotoluene(FID)	94.8				77.0-120		09/25/2018 16:35	WG1170861

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000464	0.00100	0.00116	1	09/25/2018 22:57	WG1170977
Toluene	U		0.00145	0.00500	0.00580	1	09/25/2018 22:57	WG1170977
Ethylbenzene	0.000720	J	0.000615	0.00250	0.00290	1	09/25/2018 22:57	WG1170977
Total Xylenes	U		0.00555	0.00650	0.00754	1	09/25/2018 22:57	WG1170977
(S) Toluene-d8	111				75.0-131		09/25/2018 22:57	WG1170977
(S) Dibromofluoromethane	111				65.0-129		09/25/2018 22:57	WG1170977
(S) a,a,a-Trifluorotoluene	91.0				80.0-120		09/25/2018 22:57	WG1170977
(S) 4-Bromofluorobenzene	109				67.0-138		09/25/2018 22:57	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	19.3	J	9.34	4.00	23.2	5	09/26/2018 12:44	WG1169304
C28-C40 Oil Range	55.5		1.59	4.00	23.2	5	09/26/2018 12:44	WG1169304
(S) o-Terphenyl	57.8				18.0-148		09/26/2018 12:44	WG1169304

Sample Narrative:

L1027074-25 WG1169304: Cannot run at lower dilution due to viscosity of extract



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	09/22/2018 12:40	WG1169752

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	155		0.850	10.0	10.7	1	09/21/2018 01:49	WG1168088

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	09/25/2018 16:56	WG1170861
(S) a,a,a-Trifluorotoluene(FID)	96.6				77.0-120		09/25/2018 16:56	WG1170861

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000427	0.00100	0.00107	1	09/25/2018 16:48	WG1170977
Toluene	U		0.00134	0.00500	0.00534	1	09/25/2018 16:48	WG1170977
Ethylbenzene	0.000629	J	0.000566	0.00250	0.00267	1	09/25/2018 16:48	WG1170977
Total Xylenes	U		0.00511	0.00650	0.00695	1	09/25/2018 16:48	WG1170977
(S) Toluene-d8	106				75.0-131		09/25/2018 16:48	WG1170977
(S) Dibromofluoromethane	111				65.0-129		09/25/2018 16:48	WG1170977
(S) a,a,a-Trifluorotoluene	91.4				80.0-120		09/25/2018 16:48	WG1170977
(S) 4-Bromofluorobenzene	109				67.0-138		09/25/2018 16:48	WG1170977

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	30.3		8.60	4.00	21.4	5	09/26/2018 12:57	WG1169304
C28-C40 Oil Range	70.4		1.46	4.00	21.4	5	09/26/2018 12:57	WG1169304
(S) o-Terphenyl	60.2				18.0-148		09/26/2018 12:57	WG1169304

Total Solids by Method 2540 G-2011

[L1027074-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3344097-1 09/21/18 10:57

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1027074-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1027074-04 09/21/18 10:57 • (DUP) R3344097-3 09/21/18 10:57

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	96.0	95.2	1	0.879		10

Laboratory Control Sample (LCS)

(LCS) R3344097-2 09/21/18 10:57

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

Total Solids by Method 2540 G-2011

[L1027074-11,12,13](#)

Method Blank (MB)

(MB) R3344406-1 09/22/18 13:07

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1027067-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1027067-03 09/22/18 13:07 • (DUP) R3344406-3 09/22/18 13:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	94.8	96.1	1	1.30		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3344406-2 09/22/18 13:07

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

⁹Sc



Method Blank (MB)

(MB) R3344395-1 09/22/18 12:52

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1027074-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1027074-15 09/22/18 12:52 • (DUP) R3344395-3 09/22/18 12:52

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.4	91.0	1	0.514		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3344395-2 09/22/18 12:52

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

⁹Sc

Total Solids by Method 2540 G-2011

[L1027074-25,26](#)

Method Blank (MB)

(MB) R3344391-1 09/22/18 12:40

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

L1027074-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1027074-26 09/22/18 12:40 • (DUP) R3344391-3 09/22/18 12:40

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	93.6	94.3	1	0.731		10

Laboratory Control Sample (LCS)

(LCS) R3344391-2 09/22/18 12:40

	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



Method Blank (MB)

(MB) R3343785-1 09/20/18 20:35

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	2.69	J	0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1026685-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1026685-06 09/20/18 23:46 • (DUP) R3343785-4 09/20/18 23:55

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	100	63.3	1	45.1	J3	20

L1026982-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1026982-01 09/21/18 00:48 • (DUP) R3343785-7 09/21/18 01:14

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	46.1	49.5	1	7.14		20

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

(LCS) R3343785-2 09/20/18 20:44 • (LCSD) R3343785-3 09/20/18 20:52

	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	208	104	104	90.0-110			0.520	20

L1026800-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1026800-02 09/21/18 00:21 • (MS) R3343785-5 09/21/18 00:30 • (MSD) R3343785-6 09/21/18 00:39

	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	49.1	549	545	99.9	99.2	1	80.0-120			0.611	20



Method Blank (MB)

(MB) R3344067-1 09/21/18 15:31

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	3.78	J	0.795	10.0

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1027074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1027074-01 09/21/18 16:19 • (DUP) R3344067-4 09/21/18 16:27

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	696	799	1	13.8		20

L1027074-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1027074-21 09/21/18 20:15 • (DUP) R3344067-7 09/21/18 20:24

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	1250	1790	5	35.9	J3	20

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

(LCS) R3344067-2 09/21/18 15:39 • (LCSD) R3344067-3 09/21/18 15:48

	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	200	198	100	99.2	90.0-110			0.797	20

L1027074-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027074-10 09/21/18 18:12 • (MS) R3344067-5 09/21/18 18:21 • (MSD) R3344067-6 09/21/18 18:30

	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	573	698	1040	964	59.0	46.3	1	80.0-120	J6	J6	7.24	20



Method Blank (MB)

(MB) R3344717-1 09/24/18 16:45

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	2.73	J	0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1026990-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1026990-01 09/24/18 17:35 • (DUP) R3344717-4 09/24/18 17:44

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	307	256	1	18.2		20

L1027074-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1027074-23 09/24/18 21:32 • (DUP) R3344717-7 09/24/18 21:40

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	99.7	78.5	1	23.7	J3	20

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

(LCS) R3344717-2 09/24/18 16:54 • (LCSD) R3344717-3 09/24/18 17:03

	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	217	217	108	108	90.0-110			0.0549	20

L1026992-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1026992-03 09/24/18 19:20 • (MS) R3344717-5 09/24/18 19:29 • (MSD) R3344717-6 09/24/18 19:38

	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	613	7080	6160	9400	0.000	378	1	80.0-120	E V	E J3 V	41.7	20



Method Blank (MB)

(MB) R3344726-3 09/25/18 00:34

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) R3344726-1 09/24/18 23:27 • (LCSD) R3344726-2 09/24/18 23:50

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 %
TPH (GC/FID) Low Fraction	5.50	5.72	6.05	104	110	72.0-127			5.48	20
(S) a,a,a-Trifluorotoluene(FID)				104	107	77.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3345036-3 09/25/18 10:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.7			77.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3345036-1 09/25/18 09:21 • (LCSD) R3345036-2 09/25/18 09:42

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	5.73	5.77	104	105	72.0-127			0.760	20
(S) a,a,a-Trifluorotoluene(FID)				112	112	77.0-120				

L1027423-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027423-02 09/25/18 12:43 • (MS) R3345036-4 09/25/18 19:23 • (MSD) R3345036-5 09/25/18 19:44

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 %
TPH (GC/FID) Low Fraction	6.10	53.9	176	176	80.3	80.0	25	10.0-151			0.213	28
(S) a,a,a-Trifluorotoluene(FID)					110	109		77.0-120				

Method Blank (MB)

(MB) R3344766-2 09/22/18 19:59

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	115			75.0-131
(S) Dibromofluoromethane	91.7			65.0-129
(S) a,a,a-Trifluorotoluene	101			80.0-120
(S) 4-Bromofluorobenzene	103			67.0-138

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3344766-1 09/22/18 18:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.118	94.4	70.0-123	
Ethylbenzene	0.125	0.104	83.4	74.0-126	
Toluene	0.125	0.120	96.0	75.0-121	
Xylenes, Total	0.375	0.368	98.1	72.0-127	
(S) Toluene-d8			104	75.0-131	
(S) Dibromofluoromethane			110	65.0-129	
(S) a,a,a-Trifluorotoluene			99.1	80.0-120	
(S) 4-Bromofluorobenzene			89.6	67.0-138	

L1027016-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027016-06 09/22/18 23:34 • (MS) R3344766-3 09/23/18 02:50 • (MSD) R3344766-4 09/23/18 03:09

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	0.144	ND	0.0733	0.112	50.9	77.7	1	10.0-149		J3	41.7	37
Ethylbenzene	0.144	ND	0.0927	0.148	64.3	102	1	10.0-160		J3	45.8	38
Toluene	0.144	ND	0.0884	0.134	61.3	92.7	1	10.0-156		J3	40.8	38
Xylenes, Total	0.432	ND	0.306	0.479	70.7	111	1	10.0-160		J3	44.1	38
(S) Toluene-d8					120	119		75.0-131				
(S) Dibromofluoromethane					92.1	93.1		65.0-129				
(S) a,a,a-Trifluorotoluene					94.2	95.1		80.0-120				
(S) 4-Bromofluorobenzene					94.7	97.4		67.0-138				



Method Blank (MB)

(MB) R3344898-3 09/23/18 08:11

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			75.0-131
(S) Dibromofluoromethane	104			65.0-129
(S) a,a,a-Trifluorotoluene	101			80.0-120
(S) 4-Bromofluorobenzene	113			67.0-138

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) R3344898-1 09/23/18 06:50 • (LCSD) R3344898-2 09/23/18 07:11

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 %
Benzene	0.125	0.116	0.110	92.6	88.0	70.0-123			5.10	20
Ethylbenzene	0.125	0.131	0.114	104	91.0	74.0-126			13.8	20
Toluene	0.125	0.130	0.127	104	101	75.0-121			3.01	20
Xylenes, Total	0.375	0.413	0.373	110	99.5	72.0-127			10.2	20
(S) Toluene-d8				108	105	75.0-131				
(S) Dibromofluoromethane				103	99.6	65.0-129				
(S) a,a,a-Trifluorotoluene				101	104	80.0-120				
(S) 4-Bromofluorobenzene				106	110	67.0-138				

L1027065-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027065-04 09/23/18 13:14 • (MS) R3344898-4 09/23/18 15:14 • (MSD) R3344898-5 09/23/18 15:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.428	3.04	3.20	104	111	20	10.0-149			5.29	37
Ethylbenzene	0.125	7.51	19.7	19.4	489	477	20	10.0-160	J5	J5	1.57	38
Toluene	0.125	0.114	2.55	2.66	97.4	102	20	10.0-156			4.34	38
Xylenes, Total	0.375	22.1	57.1	57.0	467	466	20	10.0-160	J5 V	J5 V	0.193	38
(S) Toluene-d8					112	107		75.0-131				
(S) Dibromofluoromethane					104	104		65.0-129				
(S) a,a,a-Trifluorotoluene					101	102		80.0-120				
(S) 4-Bromofluorobenzene					111	107		67.0-138				



Method Blank (MB)

(MB) R3345072-2 09/25/18 16:11

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	110			75.0-131
(S) Dibromofluoromethane	109			65.0-129
(S) a,a,a-Trifluorotoluene	95.7			80.0-120
(S) 4-Bromofluorobenzene	110			67.0-138

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3345072-1 09/25/18 15:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.136	109	70.0-123	
Ethylbenzene	0.125	0.135	108	74.0-126	
Toluene	0.125	0.129	103	75.0-121	
Xylenes, Total	0.375	0.359	95.7	72.0-127	
(S) Toluene-d8			101	75.0-131	
(S) Dibromofluoromethane			116	65.0-129	
(S) a,a,a-Trifluorotoluene			96.8	80.0-120	
(S) 4-Bromofluorobenzene			106	67.0-138	

L1028432-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1028432-05 09/25/18 23:17 • (MS) R3345072-3 09/25/18 23:38 • (MSD) R3345072-4 09/25/18 23:58

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	0.146	U	4.53	2.36	77.9	40.6	40	10.0-149		J3	62.9	37
Ethylbenzene	0.146	0.586	5.04	2.62	76.5	34.9	40	10.0-160		J3	63.3	38
Toluene	0.146	0.683	4.94	2.68	73.1	34.2	40	10.0-156		J3	59.4	38
Xylenes, Total	0.437	12.9	24.8	14.8	68.1	11.1	40	10.0-160		J3 J6	50.3	38
(S) Toluene-d8					103	98.6		75.0-131				
(S) Dibromofluoromethane					119	117		65.0-129				
(S) a,a,a-Trifluorotoluene					97.7	96.3		80.0-120				
(S) 4-Bromofluorobenzene					109	111		67.0-138				

Sample Narrative:



L1028432-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1028432-05 09/25/18 23:17 • (MS) R3345072-3 09/25/18 23:38 • (MSD) R3345072-4 09/25/18 23:58

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%

OS: Non-target compounds too high to run at a lower dilution.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3345087-2 09/25/18 22:04

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	109			75.0-131
(S) Dibromofluoromethane	94.8			65.0-129
(S) a,a,a-Trifluorotoluene	103			80.0-120
(S) 4-Bromofluorobenzene	108			67.0-138

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3345087-1 09/25/18 20:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.104	83.3	70.0-123	
Ethylbenzene	0.125	0.109	87.6	74.0-126	
Toluene	0.125	0.129	103	75.0-121	
Xylenes, Total	0.375	0.364	97.1	72.0-127	
(S) Toluene-d8			106	75.0-131	
(S) Dibromofluoromethane			96.4	65.0-129	
(S) a,a,a-Trifluorotoluene			102	80.0-120	
(S) 4-Bromofluorobenzene			108	67.0-138	



Method Blank (MB)

(MB) R3345151-1 09/26/18 01:01

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	85.1			18.0-148

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

(LCS) R3345151-2 09/26/18 01:14 • (LCSD) R3345151-3 09/26/18 01:28

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	43.6	42.4	87.2	84.8	50.0-150			2.79	20
(S) o-Terphenyl				89.3	82.9	18.0-148				

L1027074-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027074-09 09/26/18 05:04 • (MS) R3345151-4 09/26/18 05:18 • (MSD) R3345151-5 09/26/18 05:31

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	57.9	14.4	41.1	66.2	46.2	89.6	2	50.0-150	J6	J3	46.8	20
(S) o-Terphenyl					47.6	58.3		18.0-148				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc



Method Blank (MB)

(MB) R3345188-1 09/26/18 08:58

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	89.3			18.0-148

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

(LCS) R3345188-2 09/26/18 09:10 • (LCSD) R3345188-3 09/26/18 09:23

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	43.7	37.3	87.4	74.6	50.0-150			15.8	20
(S) o-Terphenyl				95.0	87.4	18.0-148				

L1026990-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1026990-01 09/26/18 09:35 • (MS) R3345188-4 09/26/18 09:48 • (MSD) R3345188-5 09/26/18 10:00

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	56.8	32.6	119	101	153	121	1	50.0-150	J5		16.4	20
(S) o-Terphenyl					75.7	83.5		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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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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 Pace National.

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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

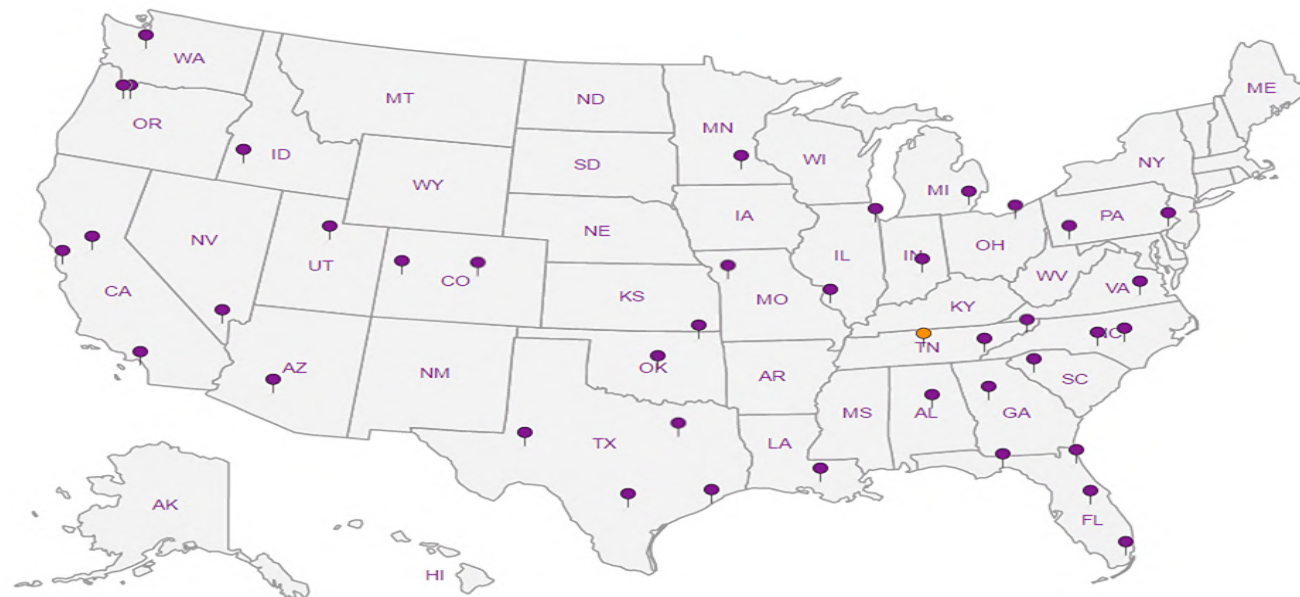
Third Party Federal Accreditations

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.



L1027014

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Suite 1100
 Mckinney, Texas 75069
 Tel: (432) 862-4500
 Fax: (432) 862-3644

Client Name	Conoco Phillips	Site Manager	Kayla Taylor
Project Name	Satellite 5		
Project Location (county state)	Lea County, New Mexico	Project #	2120-MD-01391
Invoice to	Accounts Payable 900 West Wall Street Suite 100 Mckinney Texas 75069		
Receiving Laboratory	Pace Analytical	Sampler Signature <i>[Signature]</i>	
Comments	COPTETRA Accdum		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (AP USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED Y/N	ANALYSIS REQUEST (Circle or Specify Method No.)																			
		YEAR 2018		WATER	SOIL	HCL	HNO ₃	ICE	None			TP	PAH	Total Metals	TCLP Metals	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol	GC/MS Semi Vol	PCBs	MCRM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry	Anion/Cation Balance	TPH	
		DATE	TIME																											
	WSW-3	9/11/2018	1030					X		1	N																			
	AH-4 (3-4')	9/11/2018	1228		X			X		1	N																			
	SSW-3	9/11/2018	1129					X		1	N																			
	SSW-1	9/11/2018	1350		X			X		1	N																			
	NSW-1	9/11/2018	1355		X			X		1	N																			
	AH-2	9/11/2018	1400					X		1	N																			
	AH-3	9/11/2018	1410					X		1	N																			
	NSW-3	9/11/2018	1425		X			X		1	N																			
	ESW-2	9/12/2018	0850		X			X		1	N																			
	ESW-3	9/12/2018	0850							1	N																			

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>[Signature]</i>	9-17-18	0900	Kayla Taylor	9-17-18	0900
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Kayla Taylor	9-18-18	1500	<i>[Signature]</i>	9/18/18	1500
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			K. Curren	9/19/18	0845

LAB USE ONLY	REMARKS:
	☐ STANDARD
	☐ RUSH Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
	☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED: ☒ Fee: \$ 5 Tracking # 4430 2024 114

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rec. 33 cov

09-0082

Analysis Request of Chain of Custody Record

Page 2 of 4



Tetra Tech, Inc.

800 West Wall Street, Ste 1100
Midland, Texas 79701
Tel (432) 882-4444
Fax (432) 882-3846

Client Name:	Conoco Phillips	Site Manager:	Kayla Taylor
Project Name:	Satellite 5		
Project Location (county, state):	Lea County, New Mexico	Project #	212C-MD-01391
Invoice for:	Accounts Payable 900 West Wall Street Suite 100 Midland, Texas 79701		
Receiving Laboratory	Pace Analytical	Sampler Signature:	<i>[Signature]</i>
Comments:	COPTETRA Accutrum		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)														Hold								
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			STEX 82218	TPH TX1005 (Ext to C-5)	TPH 8015M (GRO - DRD - ORO - MPO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	PC1	GC/MS Vol. 8260B / 824	GC/MS Semi. Vol. 8270C/825	PCB's 8082 / 808	NORM	PLM/Anthracene		Chloride 3000	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015M			
	• ESW-4	9/12/2018	0905	X			X			1	N	X	X												X									
	• ESW-1	9/12/2018	0940	X			X			1	N																							
	• WSW-1	9/12/2018	1235	X			X			1	N																							
	• WSW-2	9/12/2018	1246	X			X			1	N																							
	• WSW-4	9/12/2018	1250	X			X				N																							
	• AH-10	9/12/2018	1315	X			X			1	N																							
	• AH-11	9/12/2018	1320	X			X			1	N																							
	• ESW-4(1)	9/12/2018	1445	X			X			1	N																							
	• ESW-3(1)	9/12/2018	1453	X			X			1	N																							
	• ESW-1(2)	9/13/2018	0815	X			X			1	N																							

Retrieved by:	<i>[Signature]</i>	Date:	9-17-18	Time:	0900	Received by:	Kayla Taylor	Date:	9-17-18	Time:	0900
Retrieved by:	Kayla Taylor	Date:	9-18-18	Time:	1500	Supplied by:	<i>[Signature]</i>	Date:	9-18-18	Time:	1500
Retrieved by:		Date:		Time:		Received by:	Ramero	Date:	9/19/18	Time:	0845

LAB USE ONLY

Sample Temperature

REMARKS

- ☐ STANDARD
- ☐ RUSH Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRAP Required

(Circle) HAND DELIVERED FEDEX UPS Tracking #

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Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4569
Fax (432) 682-3948

Client Name: Conoco Phillips Site Manager: Kayla Taylor

Project Name: Satellite 5

Project Location: Lea County, New Mexico Project #: 212C-MD-01391

Invoice to: Accounts Payable
900 West Wall Street Suite 100 Midland, Texas 79701

Receiving Laboratory: Pace Analytical Sampler Signature: *[Signature]*

Comments: COPTETRA Acctnum

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)																Hold					
		YEAR: 2018		WATER	SOIL	HCL	HNO ₃	ICE	None																							
		DATE	TIME																													
	• ESW-3(2')	9/13/2018	1005	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)	PAH: 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	PCB	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 808	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		
	• ESW-4(2')	9/13/2018	1020	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
	• AH-10	9/13/2018	1105	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
	• NSW-5	9/13/2018	1310	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
	• NSW-6	9/13/2018	1305	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
	• AH-6	9/13/2018	1300	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
RT	NSW-3(1')	9/14/2018	0831	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
RT	NSW-4(1')	9/14/2018	0840	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
RT	SSW-8(1')	9/14/2018	0858	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		
RT	SSW-4(1')	9/14/2018	0908	X			X			1	N	BTX: 80218	TPH: TX1005 (Ext to C35)	TPH: 8011M (GRO - DRO - ORO - MRO)																		

Relinquished by: *[Signature]* Date: 9-17-18 Time: 0900 Received by: Kayla Taylor Date: 9-17-18 Time: 0900

Relinquished by: Kayla Taylor Date: 9-18-18 Time: 1500 Received by: *[Signature]* Date: 9-18-18 Time: 15:00

Relinquished by: *[Signature]* Date: *[Blank]* Time: *[Blank]* Received by: *[Signature]* Date: 9/19/18 Time: 0845

LAB USE ONLY

REMARKS:

- ☐ STANDARD
- ☐ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRAP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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11027074

Analysis Request of Chain of Custody Record

Page 4 of 4



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3546

Client Name:	Conoco Phillips	Site Manager:	Kayla Taylor
Project Name:	Satellite 5		
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-01391
Invoice to:	Accounts Payable 900 West Wall Street Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	<i>[Signature]</i>

Comments: COPTETRA Accnum

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		YEAR, 2018		WATER	SOIL		HCL	HNO ₃	ICE	None		
		DATE	TIME									
	AH-5	9/14/2018	1110		X				X			N
	NSW-3(2')	9/14/2018	1150		X				X		1	N
	NSW-4(2')	9/14/2018	1205		X				X		1	N
	SSW-3(2')	9/14/2018	1210		X				X		1	N
	SSW-4(2')	9/14/2018	1220		X				X			N
	AH-4	9/14/2018	1230		X				X		1	N
	WSW-1(3')	9/14/2018	1340		X				X		1	N
	WSW-2(3')	9/14/2018	1354		X				X		1	N
	NSW-9	9/14/2018	1610		X				X		1	N
	ESW-5	9/14/2018	1449		X				X		1	N

ANALYSIS REQUEST
(Circle or Specify Method No.)

☒ BTEX 8021B (BTEX 8021B)	☒ TPH TX1005 (Ext to C35)	☒ TPH 8015M (GRO - DHO - ORO - MRO)	☒ PAH 8270C	☒ Total Metals Ag As Ba Cd Cr Pb Se Hg	☒ TCLP Metals Ag As Ba Cd Cr Pb Se Hg	☒ TCLP Volatiles	☒ TCLP Semi Volatiles	☒ PCBs 8082 / 608	☒ GC/MS Vol. 8280B / 624	☒ GC/MS Semi Vol. 8270C/625	☒ NCPM	☒ PLM (Asbestos)	☒ Chloride 300.0	☒ TDS	☒ General Water Chemistry (see attached list)	☒ Anion/Cation Balance	☒ TPH 8015R	☒ Held
---	---	---	---	--	---	--	---	---	--	---	--	--	--	---	---	--	---	--

Relinquished by:	<i>[Signature]</i>	Date:	Time:	Received by:	<i>Kayla Taylor</i>	Date:	Time:
		9-17-18	0900			9-17-18	0900
Relinquished by:	<i>Kayla Taylor</i>	Date:	Time:	Received by:	<i>Kayla Taylor</i>	Date:	Time:
		9-18-18	1500			9-18-18	1500
Relinquished by:		Date:	Time:	Received by:	<i>[Signature]</i>	Date:	Time:
						9/19/18	0845

LAB USE ONLY	REMARKS:
	☐ STANDARD
	☐ RUSH: Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
Sample Temperature	☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Pace Analytical National Center for Testing & Innovation Cooler Receipt Form

Client:	SDG	L1027074	
Cooler Received/Opened On: 09/9/18	Temperature:	1.3	
Received By: Keteishia Cameron			
Signature: <i>Keteishia Cameron</i>			
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?			



Login #:L1027074	Client:COPTETRA	Date:09/19/18	Evaluated by:Myra "Katie" Ingram
------------------	-----------------	---------------	----------------------------------

Non-Conformance (check applicable items)

Sample Integrity		Chain of Custody Clarification	
Parameter(s) past holding time	X	Login Clarification Needed	If Broken Container:
Improper temperature		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.	X	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
Vials 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:

We did receive the marked out ID ESW-3 collected @ 0901

The ID: AH-4 is listed on the chain twice, but only received one.

Client informed by:	Call	x	Email		Voice Mail		Date 9/20/18	Time: 11:28
TSR Initials:CM	Client Contact: Kayla Taylor							

Login Instructions:

Place ESW 3 on hold

Only log one AH-4

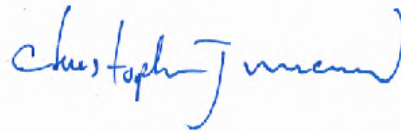
September 28, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1027436
Samples Received: 09/20/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



NSW-7 L1027436-01 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 07:40	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/21/18 22:39	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171314	1	09/21/18 14:05	09/26/18 08:07	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 19:42	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	20	09/26/18 10:37	09/27/18 05:02	AAT

¹ Cp

² Tc

³ Ss

⁴ Cn

SSW-5 L1027436-02 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 08:01	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	1	09/21/18 14:09	09/21/18 22:48	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171314	1	09/21/18 14:05	09/26/18 08:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 20:02	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	5	09/26/18 10:37	09/27/18 04:37	CLG

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

SSW-6 L1027436-03 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 08:05	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	1	09/21/18 14:09	09/21/18 22:56	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171314	1	09/21/18 14:05	09/26/18 08:56	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 20:21	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	20	09/26/18 10:37	09/27/18 05:15	AAT

⁹ Sc

SSW-7 L1027436-04 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 08:12	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	1	09/21/18 14:09	09/21/18 23:14	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171314	1	09/21/18 14:05	09/26/18 09:20	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 20:41	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	20	09/26/18 10:37	09/27/18 05:27	AAT

SSW-8 L1027436-05 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 09:20	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/21/18 23:23	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 16:46	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 21:01	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 02:07	AAT

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SSW-9 L1027436-06 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 09:45	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	1	09/21/18 14:09	09/21/18 23:49	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 17:07	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 21:20	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 02:20	AAT

¹ Cp

² Tc

³ Ss

⁴ Cn

NSW-8 L1027436-07 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 10:50	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/22/18 00:15	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 17:28	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170292	1	09/21/18 14:05	09/23/18 21:40	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	2.94	09/26/18 10:37	09/27/18 03:10	CLG

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

AH-8 L1027436-08 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 12:10	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/22/18 00:24	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 17:49	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 04:23	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	10	09/26/18 10:37	09/27/18 04:50	AAT

⁹ Sc

AH-7 L1027436-09 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 11:32	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/22/18 00:33	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 18:10	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 04:42	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 03:22	CLG

AH-9 L1027436-10 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 13:21	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170512	1	09/24/18 10:40	09/24/18 11:02	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/22/18 00:42	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 18:31	CAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 05:00	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 03:35	CLG

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AH-VERT2 (1') L1027436-11 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 09:30	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170513	1	09/25/18 12:58	09/25/18 13:28	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/22/18 00:50	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 18:52	CAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 05:19	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 03:47	CLG

¹ Cp

² Tc

³ Ss

⁴ Cn

AH-VERT2 (2') L1027436-12 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 11:15	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170513	1	09/25/18 12:58	09/25/18 13:28	JD
Wet Chemistry by Method 300.0	WG1169286	5	09/21/18 14:09	09/22/18 01:08	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 19:13	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 05:37	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 04:00	CLG

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

NSW-2 (3') L1027436-13 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 12:30	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170513	1	09/25/18 12:58	09/25/18 13:28	JD
Wet Chemistry by Method 300.0	WG1169286	1	09/21/18 14:09	09/22/18 01:34	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 19:34	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 05:56	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 04:12	CLG

⁹ Sc

SSW-2 (3') L1027436-14 Solid

			Collected by	Collected date/time	Received date/time
				09/18/18 12:52	09/20/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1170513	1	09/25/18 12:58	09/25/18 13:28	JD
Wet Chemistry by Method 300.0	WG1169286	20	09/21/18 14:09	09/22/18 01:43	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1171503	1	09/21/18 14:05	09/26/18 19:55	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1170402	1	09/21/18 14:05	09/24/18 06:14	ACG
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1171301	1	09/26/18 10:37	09/27/18 04:25	CLG



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	Batch
	%			date / time	
Total Solids	90.3		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1630		4.40	10.0	55.4	5	09/21/2018 22:39	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0496	J	0.0240	0.100	0.111	1	09/26/2018 08:07	WG1171314
(S) a,a,a-Trifluorotoluene(FID)	95.0				77.0-120		09/26/2018 08:07	WG1171314

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000443	0.00100	0.00111	1	09/23/2018 19:42	WG1170292
Toluene	U		0.00138	0.00500	0.00554	1	09/23/2018 19:42	WG1170292
Ethylbenzene	U		0.000587	0.00250	0.00277	1	09/23/2018 19:42	WG1170292
Total Xylenes	U		0.00529	0.00650	0.00720	1	09/23/2018 19:42	WG1170292
(S) Toluene-d8	115				75.0-131		09/23/2018 19:42	WG1170292
(S) Dibromofluoromethane	93.7				65.0-129		09/23/2018 19:42	WG1170292
(S) a,a,a-Trifluorotoluene	105				80.0-120		09/23/2018 19:42	WG1170292
(S) 4-Bromofluorobenzene	93.2				67.0-138		09/23/2018 19:42	WG1170292

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	70.0	J	35.7	4.00	88.6	20	09/27/2018 05:02	WG1171301
C28-C40 Oil Range	123		6.07	4.00	88.6	20	09/27/2018 05:02	WG1171301
(S) o-Terphenyl	70.9	J7			18.0-148		09/27/2018 05:02	WG1171301

Sample Narrative:

L1027436-01 WG1171301: Cannot run at lower dilution due to viscosity of extract



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	522		0.906	10.0	11.4	1	09/21/2018 22:48	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0307	J	0.0247	0.100	0.114	1	09/26/2018 08:31	WG1171314
(S) a,a,a-Trifluorotoluene(FID)	89.2				77.0-120		09/26/2018 08:31	WG1171314

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000456	0.00100	0.00114	1	09/23/2018 20:02	WG1170292
Toluene	U		0.00142	0.00500	0.00570	1	09/23/2018 20:02	WG1170292
Ethylbenzene	U		0.000604	0.00250	0.00285	1	09/23/2018 20:02	WG1170292
Total Xylenes	U		0.00545	0.00650	0.00741	1	09/23/2018 20:02	WG1170292
(S) Toluene-d8	114				75.0-131		09/23/2018 20:02	WG1170292
(S) Dibromofluoromethane	93.0				65.0-129		09/23/2018 20:02	WG1170292
(S) a,a,a-Trifluorotoluene	101				80.0-120		09/23/2018 20:02	WG1170292
(S) 4-Bromofluorobenzene	98.2				67.0-138		09/23/2018 20:02	WG1170292

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	32.8		9.18	4.00	22.8	5	09/27/2018 04:37	WG1171301
C28-C40 Oil Range	45.5		1.56	4.00	22.8	5	09/27/2018 04:37	WG1171301
(S) o-Terphenyl	69.9				18.0-148		09/27/2018 04:37	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	683	J3	0.887	10.0	11.2	1	09/21/2018 22:56	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0373	J	0.0242	0.100	0.112	1	09/26/2018 08:56	WG1171314
(S) a,a,a-Trifluorotoluene(FID)	94.0				77.0-120		09/26/2018 08:56	WG1171314

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000446	0.00100	0.00112	1	09/23/2018 20:21	WG1170292
Toluene	U		0.00139	0.00500	0.00558	1	09/23/2018 20:21	WG1170292
Ethylbenzene	U		0.000591	0.00250	0.00279	1	09/23/2018 20:21	WG1170292
Total Xylenes	U		0.00533	0.00650	0.00725	1	09/23/2018 20:21	WG1170292
(S) Toluene-d8	115				75.0-131		09/23/2018 20:21	WG1170292
(S) Dibromofluoromethane	94.0				65.0-129		09/23/2018 20:21	WG1170292
(S) a,a,a-Trifluorotoluene	105				80.0-120		09/23/2018 20:21	WG1170292
(S) 4-Bromofluorobenzene	85.2				67.0-138		09/23/2018 20:21	WG1170292

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	156		35.9	4.00	89.2	20	09/27/2018 05:15	WG1171301
C28-C40 Oil Range	239		6.11	4.00	89.2	20	09/27/2018 05:15	WG1171301
(S) o-Terphenyl	73.3	J7			18.0-148		09/27/2018 05:15	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	764		0.887	10.0	11.2	1	09/21/2018 23:14	WG1169286

3 Ss

4 Cn

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0379	J	0.0242	0.100	0.112	1	09/26/2018 09:20	WG1171314
(S) a,a,a-Trifluorotoluene(FID)	94.1				77.0-120		09/26/2018 09:20	WG1171314

5 Sr

6 Qc

7 Gl

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000446	0.00100	0.00112	1	09/23/2018 20:41	WG1170292
Toluene	U		0.00139	0.00500	0.00558	1	09/23/2018 20:41	WG1170292
Ethylbenzene	U		0.000591	0.00250	0.00279	1	09/23/2018 20:41	WG1170292
Total Xylenes	U		0.00533	0.00650	0.00725	1	09/23/2018 20:41	WG1170292
(S) Toluene-d8	115				75.0-131		09/23/2018 20:41	WG1170292
(S) Dibromofluoromethane	92.4				65.0-129		09/23/2018 20:41	WG1170292
(S) a,a,a-Trifluorotoluene	104				80.0-120		09/23/2018 20:41	WG1170292
(S) 4-Bromofluorobenzene	92.6				67.0-138		09/23/2018 20:41	WG1170292

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	136		35.9	4.00	89.2	20	09/27/2018 05:27	WG1171301
C28-C40 Oil Range	214		6.11	4.00	89.2	20	09/27/2018 05:27	WG1171301
(S) o-Terphenyl	76.1	J7			18.0-148		09/27/2018 05:27	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1010		4.55	10.0	57.3	5	09/21/2018 23:23	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0406	J	0.0248	0.100	0.115	1	09/26/2018 16:46	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.8				77.0-120		09/26/2018 16:46	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000458	0.00100	0.00115	1	09/23/2018 21:01	WG1170292
Toluene	U		0.00143	0.00500	0.00573	1	09/23/2018 21:01	WG1170292
Ethylbenzene	U		0.000607	0.00250	0.00286	1	09/23/2018 21:01	WG1170292
Total Xylenes	U		0.00547	0.00650	0.00744	1	09/23/2018 21:01	WG1170292
(S) Toluene-d8	114				75.0-131		09/23/2018 21:01	WG1170292
(S) Dibromofluoromethane	90.4				65.0-129		09/23/2018 21:01	WG1170292
(S) a,a,a-Trifluorotoluene	103				80.0-120		09/23/2018 21:01	WG1170292
(S) 4-Bromofluorobenzene	98.5				67.0-138		09/23/2018 21:01	WG1170292

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.34	J	1.84	4.00	4.58	1	09/27/2018 02:07	WG1171301
C28-C40 Oil Range	4.96		0.314	4.00	4.58	1	09/27/2018 02:07	WG1171301
(S) o-Terphenyl	57.7				18.0-148		09/27/2018 02:07	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	696	<u>J5</u>	0.901	10.0	11.3	1	09/21/2018 23:49	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0372	<u>J</u>	0.0246	0.100	0.113	1	09/26/2018 17:07	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	95.4				77.0-120		09/26/2018 17:07	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000453	0.00100	0.00113	1	09/23/2018 21:20	WG1170292
Toluene	U		0.00142	0.00500	0.00567	1	09/23/2018 21:20	WG1170292
Ethylbenzene	U		0.000601	0.00250	0.00283	1	09/23/2018 21:20	WG1170292
Total Xylenes	U		0.00542	0.00650	0.00737	1	09/23/2018 21:20	WG1170292
(S) Toluene-d8	115				75.0-131		09/23/2018 21:20	WG1170292
(S) Dibromofluoromethane	93.2				65.0-129		09/23/2018 21:20	WG1170292
(S) a,a,a-Trifluorotoluene	103				80.0-120		09/23/2018 21:20	WG1170292
(S) 4-Bromofluorobenzene	86.1				67.0-138		09/23/2018 21:20	WG1170292

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.95	<u>J</u>	1.82	4.00	4.53	1	09/27/2018 02:20	WG1171301
C28-C40 Oil Range	3.26	<u>J</u>	0.311	4.00	4.53	1	09/27/2018 02:20	WG1171301
(S) o-Terphenyl	44.7				18.0-148		09/27/2018 02:20	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1120		4.47	10.0	56.2	5	09/22/2018 00:15	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0307	J	0.0244	0.100	0.112	1	09/26/2018 17:28	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	95.1				77.0-120		09/26/2018 17:28	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U	J3	0.000449	0.00100	0.00112	1	09/23/2018 21:40	WG1170292
Toluene	U	J3	0.00140	0.00500	0.00562	1	09/23/2018 21:40	WG1170292
Ethylbenzene	U	J3	0.000595	0.00250	0.00281	1	09/23/2018 21:40	WG1170292
Total Xylenes	U	J3	0.00537	0.00650	0.00730	1	09/23/2018 21:40	WG1170292
(S) Toluene-d8	115				75.0-131		09/23/2018 21:40	WG1170292
(S) Dibromofluoromethane	93.5				65.0-129		09/23/2018 21:40	WG1170292
(S) a,a,a-Trifluorotoluene	103				80.0-120		09/23/2018 21:40	WG1170292
(S) 4-Bromofluorobenzene	86.6				67.0-138		09/23/2018 21:40	WG1170292

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	10.6	J	5.32	4.00	13.3	2.94	09/27/2018 03:10	WG1171301
C28-C40 Oil Range	10.4	J	0.905	4.00	13.3	2.94	09/27/2018 03:10	WG1171301
(S) o-Terphenyl	69.4				18.0-148		09/27/2018 03:10	WG1171301

Sample Narrative:

L1027436-07 WG1171301: Dilution due to matrix impact during extraction procedure



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1430		4.47	10.0	56.2	5	09/22/2018 00:24	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0359	J	0.0244	0.100	0.112	1	09/26/2018 17:49	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.1				77.0-120		09/26/2018 17:49	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000450	0.00100	0.00112	1	09/24/2018 04:23	WG1170402
Toluene	U		0.00141	0.00500	0.00562	1	09/24/2018 04:23	WG1170402
Ethylbenzene	U		0.000596	0.00250	0.00281	1	09/24/2018 04:23	WG1170402
Total Xylenes	U		0.00538	0.00650	0.00731	1	09/24/2018 04:23	WG1170402
(S) Toluene-d8	103				75.0-131		09/24/2018 04:23	WG1170402
(S) Dibromofluoromethane	106				65.0-129		09/24/2018 04:23	WG1170402
(S) a,a,a-Trifluorotoluene	98.7				80.0-120		09/24/2018 04:23	WG1170402
(S) 4-Bromofluorobenzene	106				67.0-138		09/24/2018 04:23	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	27.2	J	18.1	4.00	45.0	10	09/27/2018 04:50	WG1171301
C28-C40 Oil Range	49.6		3.08	4.00	45.0	10	09/27/2018 04:50	WG1171301
(S) o-Terphenyl	66.8				18.0-148		09/27/2018 04:50	WG1171301

Sample Narrative:

L1027436-08 WG1171301: Cannot run at lower dilution due to viscosity of extract



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1680		4.44	10.0	55.9	5	09/22/2018 00:33	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0242	0.100	0.112	1	09/26/2018 18:10	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.5				77.0-120		09/26/2018 18:10	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000447	0.00100	0.00112	1	09/24/2018 04:42	WG1170402
Toluene	U		0.00140	0.00500	0.00559	1	09/24/2018 04:42	WG1170402
Ethylbenzene	U		0.000592	0.00250	0.00279	1	09/24/2018 04:42	WG1170402
Total Xylenes	U		0.00534	0.00650	0.00726	1	09/24/2018 04:42	WG1170402
(S) Toluene-d8	101				75.0-131		09/24/2018 04:42	WG1170402
(S) Dibromofluoromethane	107				65.0-129		09/24/2018 04:42	WG1170402
(S) a,a,a-Trifluorotoluene	97.8				80.0-120		09/24/2018 04:42	WG1170402
(S) 4-Bromofluorobenzene	110				67.0-138		09/24/2018 04:42	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	16.7		1.80	4.00	4.47	1	09/27/2018 03:22	WG1171301
C28-C40 Oil Range	18.3		0.306	4.00	4.47	1	09/27/2018 03:22	WG1171301
(S) o-Terphenyl	63.7				18.0-148		09/27/2018 03:22	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	09/24/2018 11:02	WG1170512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1660		4.55	10.0	57.2	5	09/22/2018 00:42	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0439	J	0.0248	0.100	0.114	1	09/26/2018 18:31	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.5				77.0-120		09/26/2018 18:31	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000458	0.00100	0.00114	1	09/24/2018 05:00	WG1170402
Toluene	U		0.00143	0.00500	0.00572	1	09/24/2018 05:00	WG1170402
Ethylbenzene	U		0.000607	0.00250	0.00286	1	09/24/2018 05:00	WG1170402
Total Xylenes	U		0.00547	0.00650	0.00744	1	09/24/2018 05:00	WG1170402
(S) Toluene-d8	102				75.0-131		09/24/2018 05:00	WG1170402
(S) Dibromofluoromethane	107				65.0-129		09/24/2018 05:00	WG1170402
(S) a,a,a-Trifluorotoluene	97.9				80.0-120		09/24/2018 05:00	WG1170402
(S) 4-Bromofluorobenzene	106				67.0-138		09/24/2018 05:00	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.45		1.84	4.00	4.58	1	09/27/2018 03:35	WG1171301
C28-C40 Oil Range	5.69		0.314	4.00	4.58	1	09/27/2018 03:35	WG1171301
(S) o-Terphenyl	58.8				18.0-148		09/27/2018 03:35	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	09/25/2018 13:28	WG1170513

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2530		4.40	10.0	55.3	5	09/22/2018 00:50	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0321	J	0.0240	0.100	0.111	1	09/26/2018 18:52	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	93.9				77.0-120		09/26/2018 18:52	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000442	0.00100	0.00111	1	09/24/2018 05:19	WG1170402
Toluene	U		0.00138	0.00500	0.00553	1	09/24/2018 05:19	WG1170402
Ethylbenzene	0.000752	J	0.000586	0.00250	0.00276	1	09/24/2018 05:19	WG1170402
Total Xylenes	U		0.00529	0.00650	0.00719	1	09/24/2018 05:19	WG1170402
(S) Toluene-d8	101				75.0-131		09/24/2018 05:19	WG1170402
(S) Dibromofluoromethane	101				65.0-129		09/24/2018 05:19	WG1170402
(S) a,a,a-Trifluorotoluene	94.7				80.0-120		09/24/2018 05:19	WG1170402
(S) 4-Bromofluorobenzene	107				67.0-138		09/24/2018 05:19	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	10.2		1.78	4.00	4.42	1	09/27/2018 03:47	WG1171301
C28-C40 Oil Range	11.8		0.303	4.00	4.42	1	09/27/2018 03:47	WG1171301
(S) o-Terphenyl	67.4				18.0-148		09/27/2018 03:47	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	09/25/2018 13:28	WG1170513

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1160		4.44	10.0	55.9	5	09/22/2018 01:08	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0243	0.100	0.112	1	09/26/2018 19:13	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.8				77.0-120		09/26/2018 19:13	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000447	0.00100	0.00112	1	09/24/2018 05:37	WG1170402
Toluene	U		0.00140	0.00500	0.00559	1	09/24/2018 05:37	WG1170402
Ethylbenzene	0.000619	J	0.000592	0.00250	0.00279	1	09/24/2018 05:37	WG1170402
Total Xylenes	U		0.00534	0.00650	0.00726	1	09/24/2018 05:37	WG1170402
(S) Toluene-d8	104				75.0-131		09/24/2018 05:37	WG1170402
(S) Dibromofluoromethane	96.9				65.0-129		09/24/2018 05:37	WG1170402
(S) a,a,a-Trifluorotoluene	100				80.0-120		09/24/2018 05:37	WG1170402
(S) 4-Bromofluorobenzene	109				67.0-138		09/24/2018 05:37	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	10.1		1.80	4.00	4.47	1	09/27/2018 04:00	WG1171301
C28-C40 Oil Range	9.32		0.306	4.00	4.47	1	09/27/2018 04:00	WG1171301
(S) o-Terphenyl	60.3				18.0-148		09/27/2018 04:00	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	09/25/2018 13:28	WG1170513

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	718		0.818	10.0	10.3	1	09/22/2018 01:34	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0226	J	0.0223	0.100	0.103	1	09/26/2018 19:34	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.8				77.0-120		09/26/2018 19:34	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000412	0.00100	0.00103	1	09/24/2018 05:56	WG1170402
Toluene	U		0.00129	0.00500	0.00514	1	09/24/2018 05:56	WG1170402
Ethylbenzene	U		0.000545	0.00250	0.00257	1	09/24/2018 05:56	WG1170402
Total Xylenes	U		0.00492	0.00650	0.00669	1	09/24/2018 05:56	WG1170402
(S) Toluene-d8	101				75.0-131		09/24/2018 05:56	WG1170402
(S) Dibromofluoromethane	100				65.0-129		09/24/2018 05:56	WG1170402
(S) a,a,a-Trifluorotoluene	99.9				80.0-120		09/24/2018 05:56	WG1170402
(S) 4-Bromofluorobenzene	105				67.0-138		09/24/2018 05:56	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	28.2		1.66	4.00	4.12	1	09/27/2018 04:12	WG1171301
C28-C40 Oil Range	30.2		0.282	4.00	4.12	1	09/27/2018 04:12	WG1171301
(S) o-Terphenyl	67.1				18.0-148		09/27/2018 04:12	WG1171301



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/25/2018 13:28	WG1170513

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	6310		17.2	10.0	216	20	09/22/2018 01:43	WG1169286

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0235	0.100	0.108	1	09/26/2018 19:55	WG1171503
(S) a,a,a-Trifluorotoluene(FID)	94.3				77.0-120		09/26/2018 19:55	WG1171503

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000433	0.00100	0.00108	1	09/24/2018 06:14	WG1170402
Toluene	U		0.00135	0.00500	0.00541	1	09/24/2018 06:14	WG1170402
Ethylbenzene	0.000750	J	0.000573	0.00250	0.00270	1	09/24/2018 06:14	WG1170402
Total Xylenes	U		0.00517	0.00650	0.00703	1	09/24/2018 06:14	WG1170402
(S) Toluene-d8	104				75.0-131		09/24/2018 06:14	WG1170402
(S) Dibromofluoromethane	94.8				65.0-129		09/24/2018 06:14	WG1170402
(S) a,a,a-Trifluorotoluene	109				80.0-120		09/24/2018 06:14	WG1170402
(S) 4-Bromofluorobenzene	104				67.0-138		09/24/2018 06:14	WG1170402

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	29.0		1.74	4.00	4.33	1	09/27/2018 04:25	WG1171301
C28-C40 Oil Range	27.5		0.296	4.00	4.33	1	09/27/2018 04:25	WG1171301
(S) o-Terphenyl	63.7				18.0-148		09/27/2018 04:25	WG1171301



Method Blank (MB)

(MB) R3344713-1 09/24/18 11:02

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L1027436-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1027436-03 09/24/18 11:02 • (DUP) R3344713-3 09/24/18 11:02

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.7	89.2	1	0.473		10

⁷ Gl

⁸ Al

Laboratory Control Sample (LCS)

(LCS) R3344713-2 09/24/18 11:02

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

⁹ Sc



Total Solids by Method 2540 G-2011

L1027436-11,12,13,14

Method Blank (MB)

(MB) R3345106-1 09/25/18 13:28

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

 ^1Cp ${}^2\text{Tc}$ 3S_s ${}^4\text{Cn}$ ^5Sr ⁶Qc

L1027446-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1027446-01 09/25/18 13:28 • (DUP) R3345106-3 09/25/18 13:28

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	61.4	61.7	1	0.492		10

GI

 ${}^8\text{Al}$ ⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3345106-2 09/25/18 13:28

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



Method Blank (MB)

(MB) R3344115-1 09/21/18 22:04

	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

L1027436-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1027436-03 09/21/18 22:56 • (DUP) R3344115-4 09/21/18 23:05

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	683	431	1	45.3	J3	20

L1027436-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1027436-11 09/22/18 00:50 • (DUP) R3344115-7 09/22/18 00:59

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	2530	2530	5	0.00729		20

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

(LCS) R3344115-2 09/21/18 22:13 • (LCSD) R3344115-3 09/21/18 22:21

	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	211	214	105	107	90.0-110			1.64	20

L1027436-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027436-06 09/21/18 23:49 • (MS) R3344115-5 09/21/18 23:58 • (MSD) R3344115-6 09/22/18 00:07

	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	567	696	1240	1420	96.9	128	1	80.0-120	E	E J5	13.4	20



Method Blank (MB)

(MB) R3345397-3 09/26/18 01:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.8			77.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3345397-1 09/25/18 23:18 • (LCSD) R3345397-2 09/25/18 23:42

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	5.84	5.76	106	105	72.0-127			1.32	20
(S) a,a,a-Trifluorotoluene(FID)				104	104	77.0-120				



Method Blank (MB)

(MB) R3345605-3 09/26/18 11:30

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

1
Cp

2
Tc

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Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) R3345605-1 09/26/18 10:27 • (LCSD) R3345605-2 09/26/18 10:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.76	5.73	105	104	72.0-127			0.612	20
(S) a,a,a-Trifluorotoluene(FID)				111	111	77.0-120				

L1027472-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027472-01 09/26/18 22:01 • (MS) R3345605-4 09/27/18 01:34 • (MSD) R3345605-5 09/27/18 01:55

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	7.79	ND	159	155	81.5	79.4	25	10.0-151			2.59	28
(S) a,a,a-Trifluorotoluene(FID)					112	112		77.0-120				



Method Blank (MB)

(MB) R3344760-2 09/23/18 15:17

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	113			75.0-131
(S) Dibromofluoromethane	92.6			65.0-129
(S) a,a,a-Trifluorotoluene	102			80.0-120
(S) 4-Bromofluorobenzene	92.9			67.0-138

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3344760-1 09/23/18 14:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.115	92.2	70.0-123	
Ethylbenzene	0.125	0.102	81.5	74.0-126	
Toluene	0.125	0.119	95.1	75.0-121	
Xylenes, Total	0.375	0.366	97.6	72.0-127	
(S) Toluene-d8			103	75.0-131	
(S) Dibromofluoromethane			111	65.0-129	
(S) a,a,a-Trifluorotoluene			99.7	80.0-120	
(S) 4-Bromofluorobenzene			100	67.0-138	

L1027436-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027436-07 09/23/18 21:40 • (MS) R3344760-3 09/23/18 22:19 • (MSD) R3344760-4 09/23/18 22:39

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	0.140	U	0.0856	0.0554	60.9	39.4	1	10.0-149		J3	42.8	37
Ethylbenzene	0.140	U	0.134	0.0687	95.3	48.9	1	10.0-160		J3	64.3	38
Toluene	0.140	U	0.110	0.0707	78.6	50.4	1	10.0-156		J3	43.8	38
Xylenes, Total	0.421	U	0.374	0.229	88.8	54.3	1	10.0-160		J3	48.2	38
(S) Toluene-d8					115	117		75.0-131				
(S) Dibromofluoromethane					90.8	90.0		65.0-129				
(S) a,a,a-Trifluorotoluene					96.9	98.2		80.0-120				
(S) 4-Bromofluorobenzene					96.5	90.0		67.0-138				



Method Blank (MB)

(MB) R3344927-2 09/24/18 02:52

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	101			75.0-131
(S) Dibromofluoromethane	106			65.0-129
(S) a,a,a-Trifluorotoluene	97.7			80.0-120
(S) 4-Bromofluorobenzene	109			67.0-138

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3344927-1 09/24/18 01:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.142	114	70.0-123	
Ethylbenzene	0.125	0.128	103	74.0-126	
Toluene	0.125	0.127	101	75.0-121	
Xylenes, Total	0.375	0.404	108	72.0-127	
(S) Toluene-d8			101	75.0-131	
(S) Dibromofluoromethane			105	65.0-129	
(S) a,a,a-Trifluorotoluene			100	80.0-120	
(S) 4-Bromofluorobenzene			105	67.0-138	

L1027285-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027285-12 09/24/18 04:05 • (MS) R3344927-3 09/24/18 09:18 • (MSD) R3344927-4 09/24/18 09:37

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	0.108	0.0919	86.6	73.5	1	10.0-149			16.3	37
Ethylbenzene	0.125	ND	0.180	0.0877	144	70.2	1	10.0-160	J3		68.9	38
Toluene	0.125	ND	0.116	0.0873	93.1	69.8	1	10.0-156			28.5	38
Xylenes, Total	0.375	ND	0.569	0.288	152	76.9	1	10.0-160	J3		65.5	38
(S) Toluene-d8					104	104		75.0-131				
(S) Dibromofluoromethane					99.4	101		65.0-129				
(S) a,a,a-Trifluorotoluene					108	101		80.0-120				
(S) 4-Bromofluorobenzene					102	105		67.0-138				



Method Blank (MB)

(MB) R3345566-1 09/27/18 00:40

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	59.5			18.0-148

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

(LCS) R3345566-2 09/27/18 00:52 • (LCSD) R3345566-3 09/27/18 01:05

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 %
C10-C28 Diesel Range	50.0	34.8	37.1	69.6	74.2	50.0-150			6.40	20
(S) o-Terphenyl				73.9	75.7	18.0-148				

L1027944-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1027944-02 09/27/18 01:17 • (MS) R3345566-4 09/27/18 01:30 • (MSD) R3345566-5 09/27/18 01:42

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	U	31.8	32.7	63.6	65.4	1	50.0-150			2.79	20
(S) o-Terphenyl					69.8	65.9		18.0-148				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Guide to Reading and Understanding Your Laboratory Report

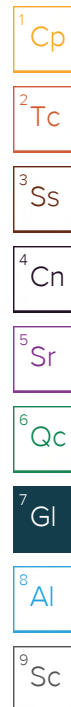
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.





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

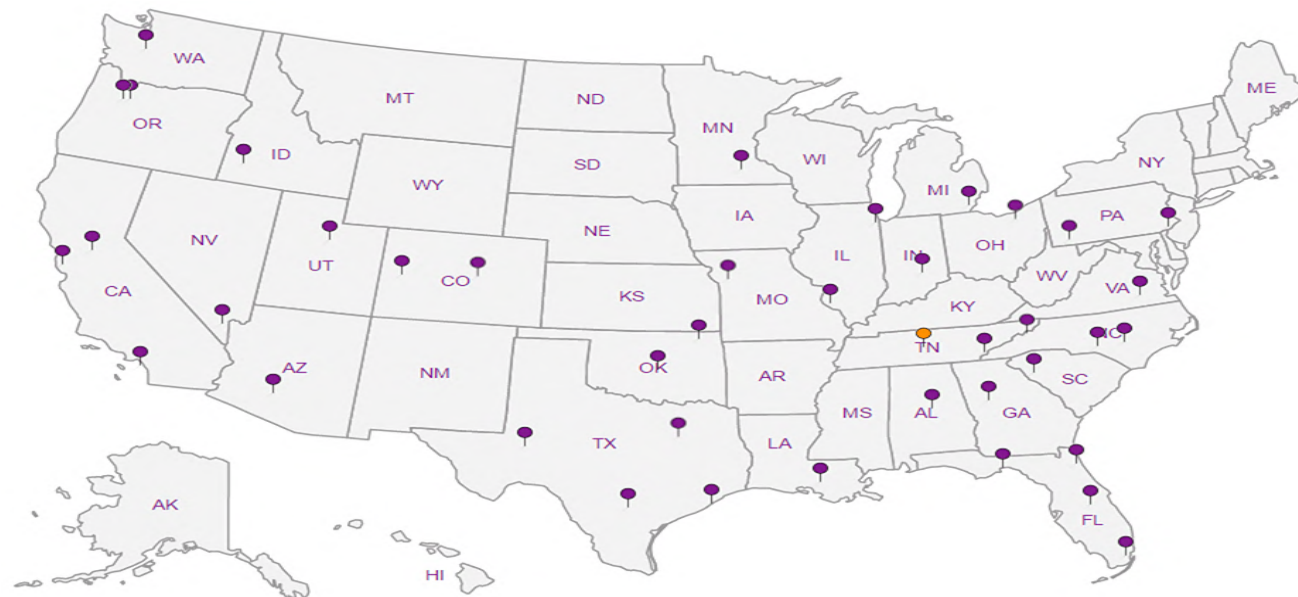
Third Party Federal Accreditations

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.



Analysis Request of Chain of Custody Record

Page 1 of 2

**Tetra Tech, Inc.**
 800 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 692-4556
 Fax (432) 692-3940

Client Name	Conoco Phillips	Site Manager	Kayla Taylor
Project Name:	Satellite 5		
Project Location (county, state)	Lea County, New Mexico	Project #	212C-MD-01391
Invoice to	Accounts Payable 800 West Wall Street Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	<i>[Signature]</i>
Comments:	COPTETRA Accnum		

ANALYSIS REQUEST
 (Circle or Specify Method No.)

LAB # (I AB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)																						
		YEAR: 2018		WATER	SOIL	HCL	HNO ₃	ICE	None			BT/EX 8021B (BT/EX 8021B)	TPH 141006 (EXT to C05)	TPH 8015M (MRO - DRO - CRO - MRO)	PAH 8270C	Total Metals Ag As B B Cd Cr Pb Se Hg	TCLP Metals Ag As B Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8280B / 824	GC/MS Semi Vol 8270C/825	PCBs 5082 / 808	NORM	PLM (Asbestos)	Chloride 3000	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015H	Hold		
		DATE	TIME																														
L102748001	NSW-7	9/18/2018	0740		X			X			1	2	X	X																			
02	SSW-5	9/18/2018	0801		X			X			1	N																					
03	SSW-6	9/18/2018	0805		X			X			1	N																					
04	SSW-7	9/18/2018	0812		X			X			1	N																					
05	SSW-8	9/18/2018	0920		X			X			1	N																					
06	SSW-9	9/18/2018	0945		X			X			1	N																					
07	NSW-8	9/18/2018	1050		X			X			1	N																					
08	AH-8	9/18/2018	1210		X			X			1	N																					
09	AH-7	9/18/2018	1132		X			X			1	N																					
10	AH-9	9/18/2018	1321		X			X			1	N																					

Relinquished by: <i>[Signature]</i>	Date: 9-19-18	Time: 1600	Received by: <i>[Signature]</i>	Date: 9-19-18	Time: 16:00
Relinquished by: <i>[Signature]</i>	Date: 9/20/18	Time: 8:15	Received by: <i>[Signature]</i>	Date: 9/20/18	Time: 8:15
Relinquished by: <i>[Signature]</i>	Date: 9/20/18	Time: 8:15	Received by: <i>[Signature]</i>	Date: 9/20/18	Time: 8:15

LAB USE ONLY	REMARKS:
	☐ STANDARD
	☐ RUSH Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
	☐ Special Report Limits or TRAP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

4430 3427 2329

ORIGINAL COPY

RAD SCREEN: <0.5 mR/h

4430 3429 2318

48-2 - A.6K

Analysis Request of Chain of Custody Record

Page

2 of 2



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-1946

Client Name:	Conoco Phillips	Manager:	Kayla Taylor
Project Name:	Satellite 5		
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-01391
Invoice to:	Accounts Payable 900 West Wall Street Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	<i>[Signature]</i>
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
 (Circle or Specify Method No.)

871 x 80218	871 x 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	CLP Metals Ag As Ba Cd Cr Pb Se Hg	CLP Volatiles	CLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 824	GC/MS Semi. Vol. 8270C/825	PCB's 8082 / 808	NO ₃ -N	PLM (Asbestos)	Chloride 3002	Fluoride	Sulfate	TDS	General Water Chemistry (see attached)	Anion/Cation Balance	TPH 8215R	Hg
TPH 8015M / GRD	ORO - ORO	PAH 8270C																	

LAB # (AS LTR ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
11027484	AH-Vent 2 (1')	9/18/2018	0930	X			X	1	Z
12	AH-Vent 2 (2')	9/18/2018	1115	X			X	1	Z
13	SSW-2 (1')	9/18/2018	1230	X			X	1	Z
14	SSW-2 (3')	9/18/2018	1252	X			X	1	Z

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>[Signature]</i>	9-19-18	1600	<i>[Signature]</i>	9-17-18	10:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			<i>[Signature]</i>	9/20/18	8:45
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			<i>[Signature]</i>	8/21	9/20/14

LAB USE ONLY	REMARKS:
	☐ STANDARD
	☐ RUSH. Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
Sample Temperature	☐ Special Report Limits or TRRP Report

ORIGINAL COPY

Circle HAND DELIVERED / FAX / UPS / Trucking

RAD

<0.5 mPAH

A.8 - 12 = 9.16K

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPTETRA		SDG#	L1027436
Cooler Received/Opened On: 09/20 /18		Temperature:	4.6
Received By: Kevin Turner			
Signature: 			
Receipt Check List			
	NP	Yes	No
COC Signed / Accurate?	☒	☒	☐
Bottles arrive intact?	☒	☒	☐
Correct bottles used?	☒	☒	☐
Sufficient volume sent?	☒	☒	☐
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

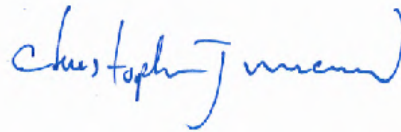
October 31, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1037775
Samples Received: 10/24/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



ESW-4(4') L1037775-01 Solid

Collected by
Collected date/time
Received date/time

10/16/18 11:00
10/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1187921	1	10/30/18 10:17	10/30/18 10:27	JD
Wet Chemistry by Method 300.0	WG1186626	1	10/25/18 18:26	10/27/18 13:45	ELN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1186582	1	10/25/18 14:26	10/26/18 05:21	ACG
Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005	WG1187652	1	10/28/18 16:52	10/28/18 21:49	AAT

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ESW-3(5') L1037775-02 Solid

Collected by
Collected date/time
Received date/time

10/16/18 14:10
10/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1187922	1	10/30/18 05:54	10/30/18 09:07	JD
Wet Chemistry by Method 300.0	WG1186626	5	10/25/18 18:26	10/27/18 13:53	ELN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1186582	1	10/25/18 14:26	10/26/18 05:41	ACG
Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005	WG1187652	1	10/28/18 16:52	10/28/18 23:40	AAT

NSW-3(4') L1037775-03 Solid

Collected by
Collected date/time
Received date/time

10/16/18 13:30
10/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1187922	1	10/30/18 05:54	10/30/18 09:07	JD
Wet Chemistry by Method 300.0	WG1186626	1	10/25/18 18:26	10/27/18 14:02	ELN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1186582	1	10/25/18 14:26	10/26/18 06:01	ACG
Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005	WG1187652	1	10/28/18 16:52	10/28/18 23:53	AAT

AH-5 L1037775-04 Solid

Collected by
Collected date/time
Received date/time

10/16/18 10:51
10/24/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1187922	1	10/30/18 05:54	10/30/18 09:07	JD
Wet Chemistry by Method 300.0	WG1186626	1	10/25/18 18:26	10/27/18 14:11	ELN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1186582	1	10/25/18 14:26	10/26/18 06:21	ACG
Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005	WG1187652	1	10/28/18 16:52	10/28/18 23:01	AAT



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	Batch
	%			date / time	
Total Solids	83.4		1	10/30/2018 10:27	WG1187921

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	207		0.954	10.0	12.0	1	10/27/2018 13:45	WG1186626

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000480	0.00100	0.00120	1	10/26/2018 05:21	WG1186582
Toluene	U		0.00150	0.00500	0.00600	1	10/26/2018 05:21	WG1186582
Ethylbenzene	U		0.000636	0.00250	0.00300	1	10/26/2018 05:21	WG1186582
Total Xylenes	U		0.00573	0.00650	0.00780	1	10/26/2018 05:21	WG1186582
(S) Toluene-d8	106				75.0-131		10/26/2018 05:21	WG1186582
(S) Dibromofluoromethane	92.3				65.0-129		10/26/2018 05:21	WG1186582
(S) a,a,a-Trifluorotoluene	99.6				80.0-120		10/26/2018 05:21	WG1186582
(S) 4-Bromofluorobenzene	108				67.0-138		10/26/2018 05:21	WG1186582

Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		18.0	50.0	60.0	1	10/28/2018 21:49	WG1187652
TPH C12 - C28	U		18.0	50.0	60.0	1	10/28/2018 21:49	WG1187652
TPH C28 - C35	U		18.0	50.0	60.0	1	10/28/2018 21:49	WG1187652
TPH C6 - C35	U		18.0	50.0	60.0	1	10/28/2018 21:49	WG1187652
(S) o-Terphenyl	104				70.0-130		10/28/2018 21:49	WG1187652



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	10/30/2018 09:07	WG1187922

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	1720		4.63	10.0	58.3	5	10/27/2018 13:53	WG1186626

³ Ss⁴ Cn

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000466	0.00100	0.00117	1	10/26/2018 05:41	WG1186582
Toluene	U		0.00146	0.00500	0.00583	1	10/26/2018 05:41	WG1186582
Ethylbenzene	U		0.000618	0.00250	0.00291	1	10/26/2018 05:41	WG1186582
Total Xylenes	U		0.00557	0.00650	0.00758	1	10/26/2018 05:41	WG1186582
(S) Toluene-d8	102				75.0-131		10/26/2018 05:41	WG1186582
(S) Dibromofluoromethane	94.3				65.0-129		10/26/2018 05:41	WG1186582
(S) a,a,a-Trifluorotoluene	102				80.0-120		10/26/2018 05:41	WG1186582
(S) 4-Bromofluorobenzene	103				67.0-138		10/26/2018 05:41	WG1186582

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH C6 - C12	U		17.5	50.0	58.3	1	10/28/2018 23:40	WG1187652
TPH C12 - C28	U		17.5	50.0	58.3	1	10/28/2018 23:40	WG1187652
TPH C28 - C35	U		17.5	50.0	58.3	1	10/28/2018 23:40	WG1187652
TPH C6 - C35	U		17.5	50.0	58.3	1	10/28/2018 23:40	WG1187652
(S) o-Terphenyl	106				70.0-130		10/28/2018 23:40	WG1187652



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	10/30/2018 09:07	WG1187922

¹ Cp² Tc³ Ss⁴ Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	278		0.863	10.0	10.8	1	10/27/2018 14:02	WG1186626

⁵ Sr⁶ Qc⁷ Gl⁸ Al

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000434	0.00100	0.00108	1	10/26/2018 06:01	WG1186582
Toluene	U		0.00136	0.00500	0.00542	1	10/26/2018 06:01	WG1186582
Ethylbenzene	U		0.000575	0.00250	0.00271	1	10/26/2018 06:01	WG1186582
Total Xylenes	U		0.00519	0.00650	0.00705	1	10/26/2018 06:01	WG1186582
(S) Toluene-d8	101				75.0-131		10/26/2018 06:01	WG1186582
(S) Dibromofluoromethane	95.6				65.0-129		10/26/2018 06:01	WG1186582
(S) a,a,a-Trifluorotoluene	106				80.0-120		10/26/2018 06:01	WG1186582
(S) 4-Bromofluorobenzene	103				67.0-138		10/26/2018 06:01	WG1186582

⁹ Sc

Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		16.3	50.0	54.2	1	10/28/2018 23:53	WG1187652
TPH C12 - C28	69.8		16.3	50.0	54.2	1	10/28/2018 23:53	WG1187652
TPH C28 - C35	67.2		16.3	50.0	54.2	1	10/28/2018 23:53	WG1187652
TPH C6 - C35	137		16.3	50.0	54.2	1	10/28/2018 23:53	WG1187652
(S) o-Terphenyl	108				70.0-130		10/28/2018 23:53	WG1187652



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	10/30/2018 09:07	WG1187922

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	243	<u>J3</u>	0.881	10.0	11.1	1	10/27/2018 14:11	WG1186626

³ Ss⁴ Cn

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000443	0.00100	0.00111	1	10/26/2018 06:21	WG1186582
Toluene	U		0.00139	0.00500	0.00554	1	10/26/2018 06:21	WG1186582
Ethylbenzene	U		0.000587	0.00250	0.00277	1	10/26/2018 06:21	WG1186582
Total Xylenes	U		0.00530	0.00650	0.00720	1	10/26/2018 06:21	WG1186582
(S) Toluene-d8	105				75.0-131		10/26/2018 06:21	WG1186582
(S) Dibromofluoromethane	91.3				65.0-129		10/26/2018 06:21	WG1186582
(S) a,a,a-Trifluorotoluene	102				80.0-120		10/26/2018 06:21	WG1186582
(S) 4-Bromofluorobenzene	104				67.0-138		10/26/2018 06:21	WG1186582

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Semi-Volatile Organic Compounds (GC) by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH C6 - C12	U		16.6	50.0	55.4	1	10/28/2018 23:01	WG1187652
TPH C12 - C28	46.2	<u>J</u>	16.6	50.0	55.4	1	10/28/2018 23:01	WG1187652
TPH C28 - C35	51.4	<u>J</u>	16.6	50.0	55.4	1	10/28/2018 23:01	WG1187652
TPH C6 - C35	97.7		16.6	50.0	55.4	1	10/28/2018 23:01	WG1187652
(S) o-Terphenyl	106				70.0-130		10/28/2018 23:01	WG1187652

Total Solids by Method 2540 G-2011

[L1037775-01](#)

Method Blank (MB)

(MB) R3355394-1 10/30/18 10:27

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

¹Cp

²Tc

³Ss

L1037775-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1037775-01 10/30/18 10:27 • (DUP) R3355394-3 10/30/18 10:27

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	83.4	83.9	1	0.680		10

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R3355394-2 10/30/18 10:27

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

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

[L1037775-02,03,04](#)

Method Blank (MB)

(MB) R3355368-1 10/30/18 09:07

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

L1037784-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1037784-03 10/30/18 09:07 • (DUP) R3355368-3 10/30/18 09:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	79.5	79.1	1	0.475		10

Laboratory Control Sample (LCS)

(LCS) R3355368-2 10/30/18 09:07

	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



Method Blank (MB)

(MB) R3354970-1 10/27/18 11:10

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	0.963	J	0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1037713-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1037713-01 10/27/18 11:42 • (DUP) R3354970-3 10/27/18 11:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	16.0	23.5	1	37.7	P1	20

L1037775-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1037775-04 10/27/18 14:11 • (DUP) R3354970-6 10/27/18 14:20

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	243	185	1	27.0	J3	20

Laboratory Control Sample (LCS)

(LCS) R3354970-2 10/27/18 11:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	205	103	90.0-110	

L1037772-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1037772-01 10/27/18 13:18 • (MS) R3354970-4 10/27/18 13:27 • (MSD) R3354970-5 10/27/18 13:36

	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	527	151	632	656	91.4	96.0	1	80.0-120			3.77	20



Method Blank (MB)

(MB) R3354237-2 10/26/18 00:02

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	100			75.0-131
(S) Dibromofluoromethane	87.6			65.0-129
(S) a,a,a-Trifluorotoluene	109			80.0-120
(S) 4-Bromofluorobenzene	103			67.0-138

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3354237-1 10/25/18 22:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.108	86.2	70.0-123	
Ethylbenzene	0.125	0.0928	74.2	74.0-126	
Toluene	0.125	0.108	86.4	75.0-121	
Xylenes, Total	0.375	0.293	78.1	72.0-127	
(S) Toluene-d8			101	75.0-131	
(S) Dibromofluoromethane			103	65.0-129	
(S) a,a,a-Trifluorotoluene			101	80.0-120	
(S) 4-Bromofluorobenzene			97.6	67.0-138	

L1036720-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036720-13 10/26/18 08:01 • (MS) R3354237-3 10/26/18 08:42 • (MSD) R3354237-4 10/26/18 09:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.145	U	2.47	2.69	85.1	92.6	20	10.0-149			8.46	37
Ethylbenzene	0.145	4.83	10.9	11.4	209	225	20	10.0-160	J5	J5	4.21	38
Toluene	0.145	0.283	2.57	2.85	78.9	88.6	20	10.0-156			10.3	38
Xylenes, Total	0.435	2.87	11.0	11.4	93.2	98.0	20	10.0-160			3.73	38
(S) Toluene-d8					91.6	92.3		75.0-131				
(S) Dibromofluoromethane					104	104		65.0-129				
(S) a,a,a-Trifluorotoluene					101	101		80.0-120				
(S) 4-Bromofluorobenzene					144	144		67.0-138	J1	J1		

Sample Narrative:



L1036720-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036720-13 10/26/18 08:01 • (MS) R3354237-3 10/26/18 08:42 • (MSD) R3354237-4 10/26/18 09:02

	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	%	%		%			%	%

OS: Non-target compounds too high to run at a lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3354724-1 10/28/18 21:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH C6 - C12	U		15.0	50.0
TPH C12 - C28	U		15.0	50.0
TPH C28 - C35	U		15.0	50.0
TPH C6 - C35	U		15.0	50.0
(S) o-Terphenyl	101			70.0-130

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) R3354724-2 10/28/18 21:23 • (LCSD) R3354724-3 10/28/18 21:36

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 C6 - C12	250	237	251	94.8	100	75.0-125			5.74	20
TPH C12 - C28	250	219	229	87.6	91.6	75.0-125			4.46	20
TPH C6 - C35	500	456	480	91.2	96.0	75.0-125			5.13	20
(S) o-Terphenyl				104	108	70.0-130				

L1037775-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1037775-01 10/28/18 21:49 • (MS) R3354724-4 10/28/18 22:03 • (MSD) R3354724-5 10/28/18 22:16

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 C6 - C12	300	U	330	332	110	111	1	75.0-125			0.725	20
TPH C12 - C28	300	U	277	280	92.4	93.2	1	75.0-125			0.862	20
TPH C6 - C35	600	U	607	612	101	102	1	75.0-125			0.787	20
(S) o-Terphenyl					107	108		70.0-130				



Guide to Reading and Understanding Your Laboratory Report

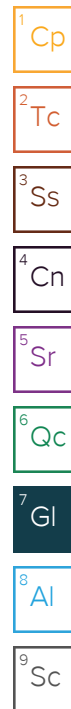
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.





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

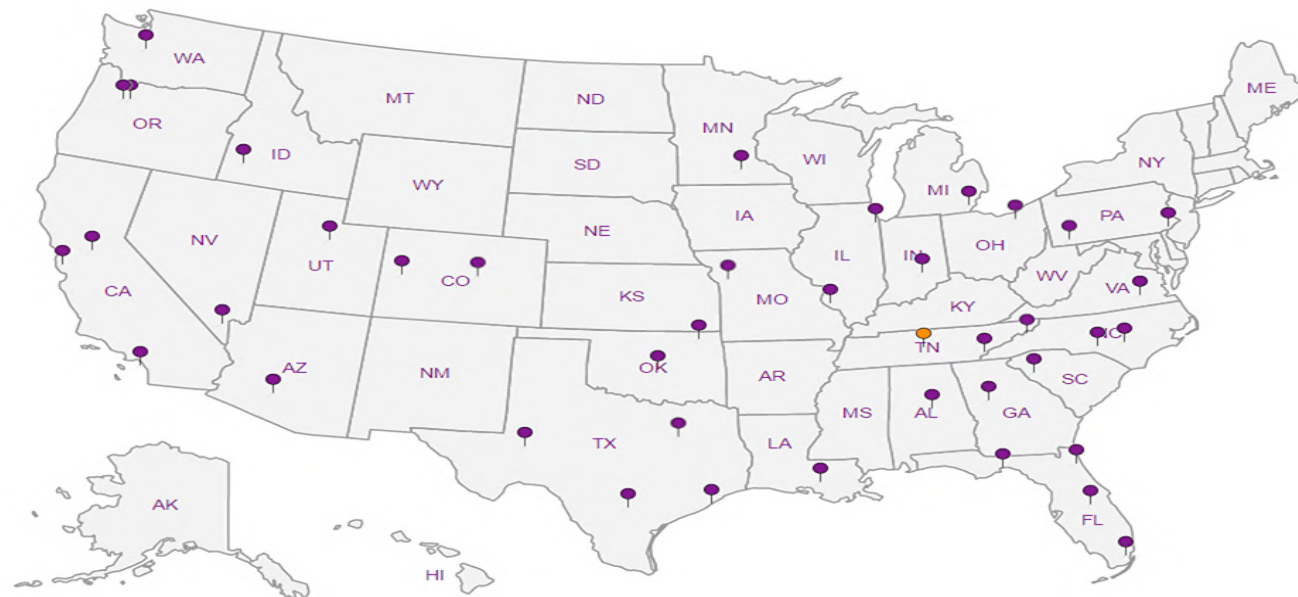
Third Party Federal Accreditations

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.





Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 482-4568
Fax (432) 482-3846

1037MS

Client Name	Conoco/Phillips	Sales Manager	Kayla Taylor
Project Name	COP Satellite 5		
Project Location (county, state)	Lea County, New Mexico	Project #	212G-MD-01391
Invoice to	Accounts Payable 900 West Wall Street Suite 100 Midland Texas 79701		
Receiving Laboratory	Pace Analytical	Sampler Signature	
Comments	COPTETRA Accnum		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B TPH 7X1005 (Ext to C35) 16MP GRO - DRG ORO MRO P 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GCMS Vol 8260R / 624 GCMS Semi Vol 8270C/625 PCBs 8082 / 808 NORM PUM (Subsides) Cu Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance TPH 8015R
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
	• ESW-2(3')	10/16/2018	0905	X				X	1	N	
	• ESW-3(3')	10/16/2018	0915	X				X	1	N	
	• ESW-4(3')	10/16/2018	0928	X				X	1	N	
	• ESW-2(4')	10/16/2018	1030	X				X	1	N	
	• ESW-3(4')	10/16/2018	1045	X				X	1	N	
	ESW-4(4')	10/16/2018	1100	X				X	1	N	
	ESW-3(5')	10/16/2018	1410	X				X	1	N	
	• NSW-3(3')	10/16/2018	1300	X				X	1	N	
	NSW-3(4')	10/16/2018	1330	X				X	1	N	
	AH-S	10/18/2018	1051	X				X	1	N	

Relinquished by:		Date	10-22-18	Time	1250	Received by:		Date	10-22-18	Time	1250
Relinquished by:	Kayla Taylor	Date	10-23-18	Time	13:00	Received by:		Date	10-23-18	Time	13:00
Relinquished by:		Date		Time		Received by:	Matt Trischle	Date	10/24	Time	8:46

LAB USE ONLY	REMARKS:
	☒ STANDARD
	☐ RUSH Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
	☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

10-171

ORIGINAL COPY
PAC SCREEN: <0.5 mR/hr

0.511-06^{1/2} A3

Pace Analytical National Center for Testing & Innovation

Cooler Receipt Form

Client: <i>Copetra</i>	SDG#	<i>1037MS</i>	
Cooler Received/Opened On: <i>10/24</i> /18	Temperature:	<i>0.5</i>	
Received By: Malik Tisdale			
Signature: <i>Malik Tisdale</i>			
Receipt Check List			
	NP	Yes	No
COC Seal Present / Intact?	<i>/</i>		
COC Signed / Accurate?		<i>/</i>	
Bottles arrive intact?		<i>/</i>	
Correct bottles used?		<i>/</i>	
Sufficient volume sent?		<i>/</i>	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

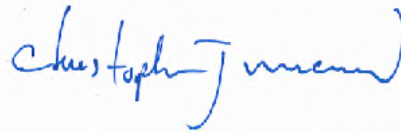
November 02, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1038368
Samples Received: 10/26/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AH-8 L1038368-01 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 10:30	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188514	1	10/31/18 11:12	10/31/18 11:21	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 21:10	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 02:41	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187471	1	10/27/18 10:41	10/29/18 04:47	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	2	10/31/18 08:49	10/31/18 19:03	KME

¹ Cp

² Tc

³ Ss

⁴ Cn

AH-7 L1038368-02 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 12:10	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188514	1	10/31/18 11:12	10/31/18 11:21	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 21:27	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 03:06	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187471	1	10/27/18 10:41	10/29/18 05:05	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	2	10/31/18 08:49	10/31/18 19:19	KME

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

NSW-7(1') L1038368-03 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 13:20	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188514	1	10/31/18 11:12	10/31/18 11:21	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 21:36	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 03:30	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187471	1	10/27/18 10:41	10/29/18 05:24	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	10	10/31/18 08:49	10/31/18 21:08	KME

⁹ Sc

NSW-8(1') L1038368-04 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 14:15	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188514	1	10/31/18 11:12	10/31/18 11:21	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 21:44	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 03:54	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/28/18 23:45	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	10	10/31/18 08:49	10/31/18 20:06	KME

SSW-6(1') L1038368-05 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 14:40	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188514	1	10/31/18 11:12	10/31/18 11:21	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 21:53	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 04:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/29/18 00:05	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	2	10/31/18 08:49	10/31/18 19:34	KME

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SSW-7(1') L1038368-06 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 10:00	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188517	1	10/31/18 11:02	10/31/18 11:09	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 22:19	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 04:42	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/29/18 00:25	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	10	10/31/18 08:49	10/31/18 20:21	KME

¹ Cp

² Tc

³ Ss

⁴ Cn

AH-VERT2 (CONFIRMATION) L1038368-07 Solid

			Collected by	Collected date/time	Received date/time
				10/22/18 16:00	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188517	1	10/31/18 11:02	10/31/18 11:09	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 22:28	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 05:06	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/29/18 00:45	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	1	10/31/18 08:49	10/31/18 18:32	KME

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

AH-9 L1038368-08 Solid

			Collected by	Collected date/time	Received date/time
				10/23/18 09:30	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188517	1	10/31/18 11:02	10/31/18 11:09	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 22:37	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 05:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/29/18 01:05	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	7.46	10/31/18 08:49	10/31/18 18:16	AAT

⁹ Sc

SSW-8(1') L1038368-09 Solid

			Collected by	Collected date/time	Received date/time
				10/23/18 10:45	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188517	1	10/31/18 11:02	10/31/18 11:09	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 22:46	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 05:55	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/29/18 01:25	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	1	10/31/18 08:49	10/31/18 18:47	KME

SSW-9(1') L1038368-10 Solid

			Collected by	Collected date/time	Received date/time
				10/23/18 12:00	10/26/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1188517	1	10/31/18 11:02	10/31/18 11:09	KDW
Wet Chemistry by Method 300.0	WG1187499	1	10/31/18 14:43	11/01/18 22:54	ELN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1188791	1	10/27/18 10:41	10/31/18 06:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1187620	1	10/27/18 10:41	10/29/18 01:45	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1189293	2	10/31/18 08:49	10/31/18 19:50	KME



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

Sample Handling and Receiving

Sample quantity was not sufficient to complete analysis per recommended method guidelines.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1038368-08	AH-9	8015

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	10/31/2018 11:21	WG1188514

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	260		0.886	10.0	11.1	1	11/01/2018 21:10	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0242	0.100	0.111	1	10/31/2018 02:41	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	97.4				77.0-120		10/31/2018 02:41	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000446	0.00100	0.00111	1	10/29/2018 04:47	WG1187471
Toluene	U		0.00139	0.00500	0.00557	1	10/29/2018 04:47	WG1187471
Ethylbenzene	U		0.000591	0.00250	0.00279	1	10/29/2018 04:47	WG1187471
Total Xylenes	U		0.00533	0.00650	0.00725	1	10/29/2018 04:47	WG1187471
(S) Toluene-d8	101				75.0-131		10/29/2018 04:47	WG1187471
(S) Dibromofluoromethane	111				65.0-129		10/29/2018 04:47	WG1187471
(S) a,a,a-Trifluorotoluene	96.4				80.0-120		10/29/2018 04:47	WG1187471
(S) 4-Bromofluorobenzene	109				67.0-138		10/29/2018 04:47	WG1187471

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	23.0		3.59	4.00	8.92	2	10/31/2018 19:03	WG1189293
C28-C40 Oil Range	26.5		0.611	4.00	8.92	2	10/31/2018 19:03	WG1189293
(S) o-Terphenyl	115				18.0-148		10/31/2018 19:03	WG1189293



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	10/31/2018 11:21	WG1188514

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	255		0.885	10.0	11.1	1	11/01/2018 21:27	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.100	0.111	1	10/31/2018 03:06	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	97.6				77.0-120		10/31/2018 03:06	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000445	0.00100	0.00111	1	10/29/2018 05:05	WG1187471
Toluene	U		0.00139	0.00500	0.00556	1	10/29/2018 05:05	WG1187471
Ethylbenzene	U		0.000590	0.00250	0.00278	1	10/29/2018 05:05	WG1187471
Total Xylenes	U		0.00532	0.00650	0.00723	1	10/29/2018 05:05	WG1187471
(S) Toluene-d8	98.0				75.0-131		10/29/2018 05:05	WG1187471
(S) Dibromofluoromethane	111				65.0-129		10/29/2018 05:05	WG1187471
(S) a,a,a-Trifluorotoluene	97.6				80.0-120		10/29/2018 05:05	WG1187471
(S) 4-Bromofluorobenzene	106				67.0-138		10/29/2018 05:05	WG1187471

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	27.9		3.58	4.00	8.90	2	10/31/2018 19:19	WG1189293
C28-C40 Oil Range	31.8		0.610	4.00	8.90	2	10/31/2018 19:19	WG1189293
(S) o-Terphenyl	116				18.0-148		10/31/2018 19:19	WG1189293



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	10/31/2018 11:21	WG1188514

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	356		0.900	10.0	11.3	1	11/01/2018 21:36	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0306	J	0.0246	0.100	0.113	1	10/31/2018 03:30	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	97.6				77.0-120		10/31/2018 03:30	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000453	0.00100	0.00113	1	10/29/2018 05:24	WG1187471
Toluene	U		0.00141	0.00500	0.00566	1	10/29/2018 05:24	WG1187471
Ethylbenzene	U		0.000600	0.00250	0.00283	1	10/29/2018 05:24	WG1187471
Total Xylenes	U		0.00541	0.00650	0.00736	1	10/29/2018 05:24	WG1187471
(S) Toluene-d8	98.6				75.0-131		10/29/2018 05:24	WG1187471
(S) Dibromofluoromethane	111				65.0-129		10/29/2018 05:24	WG1187471
(S) a,a,a-Trifluorotoluene	95.9				80.0-120		10/29/2018 05:24	WG1187471
(S) 4-Bromofluorobenzene	105				67.0-138		10/29/2018 05:24	WG1187471

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	340		18.2	4.00	45.3	10	10/31/2018 21:08	WG1189293
C28-C40 Oil Range	479		3.10	4.00	45.3	10	10/31/2018 21:08	WG1189293
(S) o-Terphenyl	133				18.0-148		10/31/2018 21:08	WG1189293



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	10/31/2018 11:21	WG1188514

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	407		0.897	10.0	11.3	1	11/01/2018 21:44	WG1187499

5 Sr

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0322	J	0.0245	0.100	0.113	1	10/31/2018 03:54	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	98.1				77.0-120		10/31/2018 03:54	WG1188791

6 Qc

7 Gl

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000451	0.00100	0.00113	1	10/28/2018 23:45	WG1187620
Toluene	U		0.00141	0.00500	0.00564	1	10/28/2018 23:45	WG1187620
Ethylbenzene	U		0.000598	0.00250	0.00282	1	10/28/2018 23:45	WG1187620
Total Xylenes	U		0.00539	0.00650	0.00733	1	10/28/2018 23:45	WG1187620
(S) Toluene-d8	107				75.0-131		10/28/2018 23:45	WG1187620
(S) Dibromofluoromethane	83.0				65.0-129		10/28/2018 23:45	WG1187620
(S) a,a,a-Trifluorotoluene	110				80.0-120		10/28/2018 23:45	WG1187620
(S) 4-Bromofluorobenzene	104				67.0-138		10/28/2018 23:45	WG1187620

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	217		18.2	4.00	45.1	10	10/31/2018 20:06	WG1189293
C28-C40 Oil Range	366		3.09	4.00	45.1	10	10/31/2018 20:06	WG1189293
(S) o-Terphenyl	113				18.0-148		10/31/2018 20:06	WG1189293



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	10/31/2018 11:21	WG1188514

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	534		0.957	10.0	12.0	1	11/01/2018 21:53	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0261	0.100	0.120	1	10/31/2018 04:18	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	97.8				77.0-120		10/31/2018 04:18	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000482	0.00100	0.00120	1	10/29/2018 00:05	WG1187620
Toluene	U		0.00150	0.00500	0.00602	1	10/29/2018 00:05	WG1187620
Ethylbenzene	U		0.000638	0.00250	0.00301	1	10/29/2018 00:05	WG1187620
Total Xylenes	U		0.00575	0.00650	0.00783	1	10/29/2018 00:05	WG1187620
(S) Toluene-d8	111				75.0-131		10/29/2018 00:05	WG1187620
(S) Dibromofluoromethane	82.7				65.0-129		10/29/2018 00:05	WG1187620
(S) a,a,a-Trifluorotoluene	106				80.0-120		10/29/2018 00:05	WG1187620
(S) 4-Bromofluorobenzene	107				67.0-138		10/29/2018 00:05	WG1187620

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	13.0		3.88	4.00	9.63	2	10/31/2018 19:34	WG1189293
C28-C40 Oil Range	17.0		0.660	4.00	9.63	2	10/31/2018 19:34	WG1189293
(S) o-Terphenyl	109				18.0-148		10/31/2018 19:34	WG1189293



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	10/31/2018 11:09	WG1188517

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	552		0.870	10.0	10.9	1	11/01/2018 22:19	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0527	<u>J</u>	0.0237	0.100	0.109	1	10/31/2018 04:42	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	91.4				77.0-120		10/31/2018 04:42	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000437	0.00100	0.00109	1	10/29/2018 00:25	WG1187620
Toluene	U		0.00137	0.00500	0.00547	1	10/29/2018 00:25	WG1187620
Ethylbenzene	U		0.000580	0.00250	0.00273	1	10/29/2018 00:25	WG1187620
Total Xylenes	U		0.00523	0.00650	0.00711	1	10/29/2018 00:25	WG1187620
(S) Toluene-d8	108				75.0-131		10/29/2018 00:25	WG1187620
(S) Dibromofluoromethane	81.7				65.0-129		10/29/2018 00:25	WG1187620
(S) a,a,a-Trifluorotoluene	108				80.0-120		10/29/2018 00:25	WG1187620
(S) 4-Bromofluorobenzene	107				67.0-138		10/29/2018 00:25	WG1187620

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	90.8	<u>J3 J6</u>	17.6	4.00	43.7	10	10/31/2018 20:21	WG1189293
C28-C40 Oil Range	174		3.00	4.00	43.7	10	10/31/2018 20:21	WG1189293
(S) o-Terphenyl	124				18.0-148		10/31/2018 20:21	WG1189293

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	10/31/2018 11:09	WG1188517

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	217		0.833	10.0	10.5	1	11/01/2018 22:28	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.100	0.105	1	10/31/2018 05:06	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		10/31/2018 05:06	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000419	0.00100	0.00105	1	10/29/2018 00:45	WG1187620
Toluene	U		0.00131	0.00500	0.00524	1	10/29/2018 00:45	WG1187620
Ethylbenzene	U		0.000555	0.00250	0.00262	1	10/29/2018 00:45	WG1187620
Total Xylenes	U		0.00501	0.00650	0.00681	1	10/29/2018 00:45	WG1187620
(S) Toluene-d8	109				75.0-131		10/29/2018 00:45	WG1187620
(S) Dibromofluoromethane	82.7				65.0-129		10/29/2018 00:45	WG1187620
(S) a,a,a-Trifluorotoluene	107				80.0-120		10/29/2018 00:45	WG1187620
(S) 4-Bromofluorobenzene	101				67.0-138		10/29/2018 00:45	WG1187620

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	16.8		1.69	4.00	4.19	1	10/31/2018 18:32	WG1189293
C28-C40 Oil Range	15.5		0.287	4.00	4.19	1	10/31/2018 18:32	WG1189293
(S) o-Terphenyl	100				18.0-148		10/31/2018 18:32	WG1189293

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	86.5		1	10/31/2018 11:09	WG1188517

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	155		0.919	10.0	11.6	1	11/01/2018 22:37	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0251	0.100	0.116	1	10/31/2018 05:31	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	96.9				77.0-120		10/31/2018 05:31	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000462	0.00100	0.00116	1	10/29/2018 01:05	WG1187620
Toluene	U		0.00145	0.00500	0.00578	1	10/29/2018 01:05	WG1187620
Ethylbenzene	U		0.000613	0.00250	0.00289	1	10/29/2018 01:05	WG1187620
Total Xylenes	U		0.00553	0.00650	0.00751	1	10/29/2018 01:05	WG1187620
(S) Toluene-d8	104				75.0-131		10/29/2018 01:05	WG1187620
(S) Dibromofluoromethane	85.9				65.0-129		10/29/2018 01:05	WG1187620
(S) a,a,a-Trifluorotoluene	106				80.0-120		10/29/2018 01:05	WG1187620
(S) 4-Bromofluorobenzene	104				67.0-138		10/29/2018 01:05	WG1187620

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		13.9	4.00	34.4	7.46	10/31/2018 18:16	WG1189293
C28-C40 Oil Range	U		2.36	4.00	34.4	7.46	10/31/2018 18:16	WG1189293
(S) o-Terphenyl	101				18.0-148		10/31/2018 18:16	WG1189293

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	86.6		1	10/31/2018 11:09	WG1188517

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	627		0.918	10.0	11.5	1	11/01/2018 22:46	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0265	<u>J</u>	0.0251	0.100	0.115	1	10/31/2018 05:55	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	95.5				77.0-120		10/31/2018 05:55	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000462	0.00100	0.00115	1	10/29/2018 01:25	WG1187620
Toluene	U		0.00144	0.00500	0.00577	1	10/29/2018 01:25	WG1187620
Ethylbenzene	U		0.000612	0.00250	0.00289	1	10/29/2018 01:25	WG1187620
Total Xylenes	U		0.00552	0.00650	0.00750	1	10/29/2018 01:25	WG1187620
(S) Toluene-d8	111				75.0-131		10/29/2018 01:25	WG1187620
(S) Dibromofluoromethane	85.9				65.0-129		10/29/2018 01:25	WG1187620
(S) a,a,a-Trifluorotoluene	105				80.0-120		10/29/2018 01:25	WG1187620
(S) 4-Bromofluorobenzene	103				67.0-138		10/29/2018 01:25	WG1187620

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.25		1.86	4.00	4.62	1	10/31/2018 18:47	WG1189293
C28-C40 Oil Range	1.79	<u>J</u>	0.316	4.00	4.62	1	10/31/2018 18:47	WG1189293
(S) o-Terphenyl	82.2				18.0-148		10/31/2018 18:47	WG1189293

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	10/31/2018 11:09	WG1188517

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1050	J5	0.936	10.0	11.8	1	11/01/2018 22:54	WG1187499

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0832	J	0.0256	0.100	0.118	1	10/31/2018 06:19	WG1188791
(S) a,a,a-Trifluorotoluene(FID)	92.1				77.0-120		10/31/2018 06:19	WG1188791

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U	J3	0.000471	0.00100	0.00118	1	10/29/2018 01:45	WG1187620
Toluene	U	J3	0.00147	0.00500	0.00589	1	10/29/2018 01:45	WG1187620
Ethylbenzene	U	J3	0.000624	0.00250	0.00294	1	10/29/2018 01:45	WG1187620
Total Xylenes	U	J3	0.00563	0.00650	0.00765	1	10/29/2018 01:45	WG1187620
(S) Toluene-d8	108				75.0-131		10/29/2018 01:45	WG1187620
(S) Dibromofluoromethane	84.4				65.0-129		10/29/2018 01:45	WG1187620
(S) a,a,a-Trifluorotoluene	106				80.0-120		10/29/2018 01:45	WG1187620
(S) 4-Bromofluorobenzene	104				67.0-138		10/29/2018 01:45	WG1187620

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	46.3		3.79	4.00	9.42	2	10/31/2018 19:50	WG1189293
C28-C40 Oil Range	69.5		0.645	4.00	9.42	2	10/31/2018 19:50	WG1189293
(S) o-Terphenyl	115				18.0-148		10/31/2018 19:50	WG1189293

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3355829-1 10/31/18 11:21

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1038324-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1038324-14 10/31/18 11:21 • (DUP) R3355829-3 10/31/18 11:21

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	86.9	87.1	1	0.179		10

Laboratory Control Sample (LCS)

(LCS) R3355829-2 10/31/18 11:21

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



Total Solids by Method 2540 G-2011

L1038368-06,07,08,09,10

Method Blank (MB)

(MB) R3355828-1 10/31/18 11:09

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

Cp

 $\frac{2}{T_C}$

Ss

 C_n ⁸⁷Sr

Qc

L1038368-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1038368-06 10/31/18 11:09 • (DUP) R3355828-3 10/31/18 11:09

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.4	88.9	1	2.80		10

GI

Al

Sc

Laboratory Control Sample (LCS)

(LCS) R3355828-2 10/31/18 11:09

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

Method Blank (MB)

(MB) R3356265-1 11/01/18 19:48

	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

L1038368-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1038368-01 11/01/18 21:10 • (DUP) R3356265-3 11/01/18 21:18

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	260	270	1	3.78		20

L1038655-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1038655-10 11/02/18 00:49 • (DUP) R3356265-6 11/02/18 00:57

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	3880	3600	5	7.32		20

Laboratory Control Sample (LCS)

(LCS) R3356265-2 11/01/18 19:57

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

L1038368-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1038368-10 11/01/18 22:54 • (MS) R3356265-4 11/01/18 23:03 • (MSD) R3356265-5 11/01/18 23:12

	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	589	1050	1660	1760	103	121	1	80.0-120	E	E J5	6.07	20



Method Blank (MB)

(MB) R3355492-3 10/31/18 00:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.3			77.0-120

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) R3355492-1 10/30/18 23:03 • (LCSD) R3355492-2 10/30/18 23:28

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	5.71	5.50	104	100	72.0-127			3.83	20
(S) a,a,a-Trifluorotoluene(FID)				103	103	77.0-120				

L1038446-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1038446-01 10/31/18 09:08 • (MS) R3355492-4 10/31/18 10:07 • (MSD) R3355492-5 10/31/18 10:31

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	240	713	697	43.0	41.5	200	10.0-151			2.23	28
(S) a,a,a-Trifluorotoluene(FID)					99.3	99.4		77.0-120				



Method Blank (MB)

(MB) R3355011-3 10/28/18 23:14

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	99.9			75.0-131
(S) Dibromofluoromethane	109			65.0-129
(S) a,a,a-Trifluorotoluene	98.6			80.0-120
(S) 4-Bromofluorobenzene	108			67.0-138

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3355011-1 10/28/18 22:00 • (LCSD) R3355011-2 10/28/18 22:19

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	0.124	0.128	99.0	102	70.0-123			3.02	20
Ethylbenzene	0.125	0.120	0.130	96.2	104	74.0-126			8.11	20
Toluene	0.125	0.117	0.127	93.5	101	75.0-121			7.94	20
Xylenes, Total	0.375	0.376	0.394	100	105	72.0-127			4.68	20
(S) Toluene-d8					98.1	99.8				75.0-131
(S) Dibromofluoromethane					114	110				65.0-129
(S) a,a,a-Trifluorotoluene					99.7	96.8				80.0-120
(S) 4-Bromofluorobenzene					104	109				67.0-138

L1038208-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1038208-04 10/29/18 04:10 • (MS) R3355011-4 10/29/18 05:42 • (MSD) R3355011-5 10/29/18 06:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	U	0.106	0.103	84.6	82.3	1	10.0-149			2.78	37
Ethylbenzene	0.125	U	0.102	0.0975	81.5	78.0	1	10.0-160			4.36	38
Toluene	0.125	U	0.0996	0.0966	79.7	77.3	1	10.0-156			3.02	38
Xylenes, Total	0.375	U	0.318	0.301	84.8	80.2	1	10.0-160			5.56	38
(S) Toluene-d8					99.7	98.8		75.0-131				
(S) Dibromofluoromethane					111	113		65.0-129				
(S) a,a,a-Trifluorotoluene					98.3	97.7		80.0-120				
(S) 4-Bromofluorobenzene					107	107		67.0-138				



Method Blank (MB)

(MB) R3355624-2 10/28/18 21:26

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	106			75.0-131
(S) Dibromofluoromethane	84.0			65.0-129
(S) a,a,a-Trifluorotoluene	106			80.0-120
(S) 4-Bromofluorobenzene	104			67.0-138

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3355624-1 10/28/18 20:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.116	92.9	70.0-123	
Ethylbenzene	0.125	0.108	86.5	74.0-126	
Toluene	0.125	0.128	102	75.0-121	
Xylenes, Total	0.375	0.336	89.6	72.0-127	
(S) Toluene-d8			104	75.0-131	
(S) Dibromofluoromethane			97.3	65.0-129	
(S) a,a,a-Trifluorotoluene			103	80.0-120	
(S) 4-Bromofluorobenzene			101	67.0-138	

L1038368-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1038368-10 10/29/18 01:45 • (MS) R3355624-3 10/29/18 04:24 • (MSD) R3355624-4 10/29/18 04:44

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 %
Benzene	0.147	U	0.0729	0.107	49.5	72.4	1	10.0-149		J3	37.5	37
Ethylbenzene	0.147	U	0.0687	0.105	46.7	71.3	1	10.0-160		J3	41.8	38
Toluene	0.147	U	0.0792	0.121	53.8	82.2	1	10.0-156		J3	41.8	38
Xylenes, Total	0.442	U	0.215	0.319	48.7	72.3	1	10.0-160		J3	39.0	38
(S) Toluene-d8					102	102		75.0-131				
(S) Dibromofluoromethane					87.0	89.3		65.0-129				
(S) a,a,a-Trifluorotoluene					104	103		80.0-120				
(S) 4-Bromofluorobenzene					102	102		67.0-138				



Method Blank (MB)

(MB) R3355786-1 10/31/18 16:48

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	96.2			18.0-148

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3355786-2 10/31/18 17:01 • (LCSD) R3355786-3 10/31/18 17:13

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 %
C10-C28 Diesel Range	50.0	36.9	35.7	73.8	71.4	50.0-150			3.31	20
(S) o-Terphenyl				98.6	95.3	18.0-148				

L1038368-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1038368-06 10/31/18 20:21 • (MS) R3355786-4 10/31/18 20:37 • (MSD) R3355786-5 10/31/18 20:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.7	90.8	168	115	142	44.0	10	50.0-150		J3 J6	37.8	20
(S) o-Terphenyl					119	106		18.0-148				



Guide to Reading and Understanding Your Laboratory Report

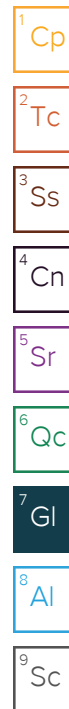
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.
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

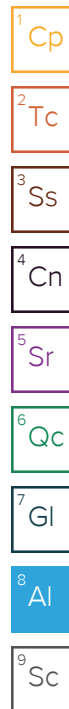
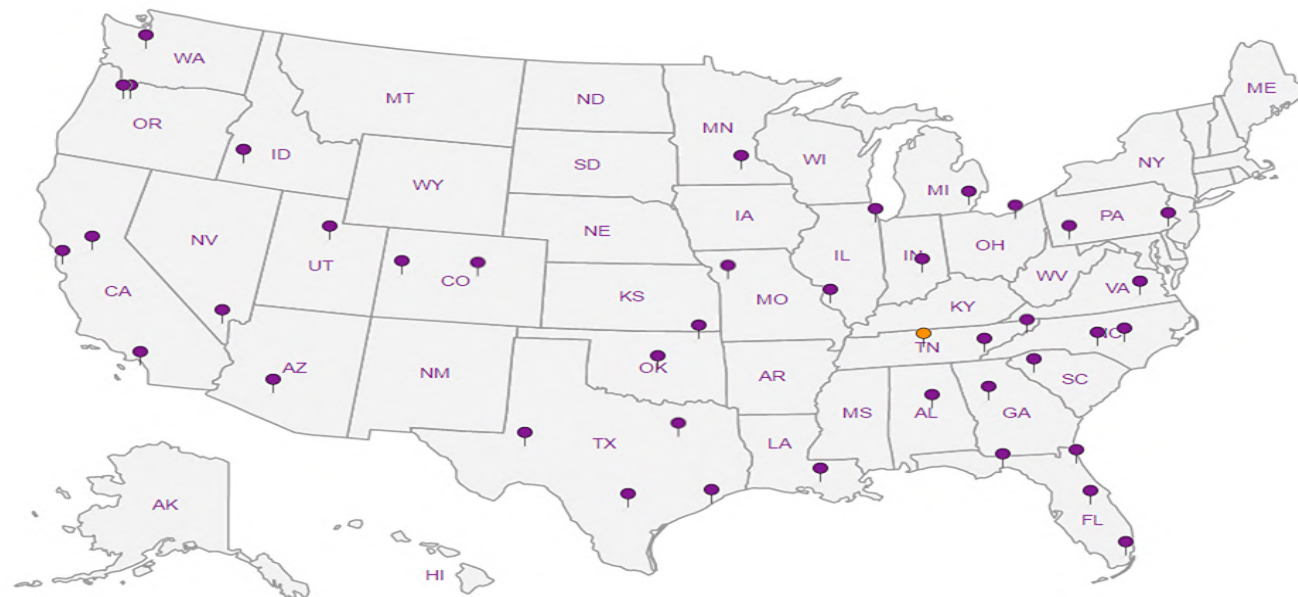
Third Party Federal Accreditations

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.





Tetra Tech, Inc.

500 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 882-4556
Fax (432) 882-3546

~~L103~~ L1038368

Client Name:	Conoco Phillips	Site Manager:	Keyla Taylor
Project Name:	COP Satellite 5		
Project Location (county, state):	Lea County, New Mexico	Project #:	212C-MD-01391
Invoice to:	Accounts Payable 900 West Wall Street Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	
Comments:	COPTETRA Accnum		

ANALYSIS REQUEST (Circle or Specify Method No.)

BTX 8021B	BTX 8020B	TPH TX1005 (Ed to C36)	TPH 8015M (ORO - DRG - ORO MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	FCI	GCMS Vol 8260B / 824	GCMS Semi Vol 8270C/825	PCB's 8082 / 608	NORM	PLM (Asbestos)	Orion 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	Hold	
☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

LAB # (ADD UBI DATE)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None		
L1038368 -01	AH-8	10/22/18	1030	X				X		1	N
02	AH-7	10/22/18	1210	X				X		1	N
03	NSW-7(1')	10/22/18	1320	X				X		1	N
04	NSW-8(1')	10/22/18	1415	X				X		1	N
05	SSW-6(1')	10/22/18	1440	X				X		1	N
06	SSW-7(1')	10/22/18	1000	X				X		1	N
07	AH-Ver 2 (confirmation)	10/22/18	1600	X				X		1	N
08	AH-9	10/23/18	0930	X				X		1	N
09	SSW-8(1')	10/23/18	1045	X				X		1	N
10	SSW-9(1')	10/23/18	1200	X				X		1	N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	10-25-18	1345		10-25-18	1345
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
				10/26/18	8:45
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
	☒ STANDARD
	☐ RUSH Same Day 24 hr 48 hr 72 hr
	☐ Rush Charges Authorized
Sample Temperature	☐ Special Report Limits or TRAP Report

ORIGINAL COPY

1.6 $\frac{1}{1.74}$

RAD $\frac{1}{1.74}$ 0.5 mR/hr

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:	COPTETRA	SDG#	L1038368	
Cooler Received/Opened On:	10/26 /18	Temperature:	1.7	
Received By:	Kevin Turner			
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?				

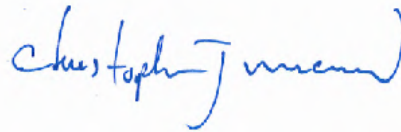
November 08, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1040112
Samples Received: 10/24/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



ESW-3(6') L1040112-01 Solid

			Collected by	Collected date/time	Received date/time
				10/19/18 08:30	10/24/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1190250	1	11/02/18 13:01	11/02/18 13:12	JD
Wet Chemistry by Method 300.0	WG1192443	1	11/07/18 14:02	11/07/18 16:43	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1190451	1	11/02/18 08:08	11/02/18 14:25	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1190490	1	11/02/18 08:08	11/02/18 15:20	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1190740	1	11/02/18 13:37	11/04/18 19:28	KME

¹ Cp

² Tc

³ Ss

⁴ Cn

WSW-1 (5') L1040112-02 Solid

			Collected by	Collected date/time	Received date/time
				10/19/18 10:10	10/24/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1190250	1	11/02/18 13:01	11/02/18 13:12	JD
Wet Chemistry by Method 300.0	WG1192443	1	11/07/18 14:02	11/07/18 16:51	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1190451	1	11/02/18 08:08	11/02/18 14:47	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1190490	1	11/02/18 08:08	11/02/18 15:39	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1190740	1	11/02/18 13:37	11/04/18 19:45	KME

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

WSW-2 (5') L1040112-03 Solid

			Collected by	Collected date/time	Received date/time
				10/19/18 10:30	10/24/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1190250	1	11/02/18 13:01	11/02/18 13:12	JD
Wet Chemistry by Method 300.0	WG1192443	1	11/07/18 14:02	11/07/18 17:00	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1190451	1	11/02/18 08:08	11/02/18 15:29	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1190490	1	11/02/18 08:08	11/02/18 15:57	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1190740	1	11/02/18 13:37	11/04/18 19:59	KME

⁹ Sc

ESW-2(4') L1040112-04 Solid

			Collected by	Collected date/time	Received date/time
				10/16/18 10:30	10/24/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1190250	1	11/02/18 13:01	11/02/18 13:12	JD
Wet Chemistry by Method 300.0	WG1192443	1	11/07/18 14:02	11/07/18 17:09	MAJ



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	86.6		1	11/02/2018 13:12	WG1190250

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	106		0.918	10.0	11.5	1	11/07/2018 16:43	WG1192443

3 Ss

4 Cn

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0251	J	0.0250	0.100	0.115	1	11/02/2018 14:25	WG1190451
(S) a,a,a-Trifluorotoluene(FID)	90.4				77.0-120		11/02/2018 14:25	WG1190451

5 Sr

6 Qc

7 Gl

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000462	0.00100	0.00115	1	11/02/2018 15:20	WG1190490
Toluene	U		0.00144	0.00500	0.00577	1	11/02/2018 15:20	WG1190490
Ethylbenzene	U		0.000612	0.00250	0.00289	1	11/02/2018 15:20	WG1190490
Total Xylenes	U		0.00552	0.00650	0.00750	1	11/02/2018 15:20	WG1190490
(S) Toluene-d8	100				75.0-131		11/02/2018 15:20	WG1190490
(S) Dibromofluoromethane	115				65.0-129		11/02/2018 15:20	WG1190490
(S) a,a,a-Trifluorotoluene	101				80.0-120		11/02/2018 15:20	WG1190490
(S) 4-Bromofluorobenzene	106				67.0-138		11/02/2018 15:20	WG1190490

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.86	4.00	4.62	1	11/04/2018 19:28	WG1190740
C28-C40 Oil Range	3.16	J	0.316	4.00	4.62	1	11/04/2018 19:28	WG1190740
(S) o-Terphenyl	57.9				18.0-148		11/04/2018 19:28	WG1190740



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	11/02/2018 13:12	WG1190250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	71.5		0.942	10.0	11.8	1	11/07/2018 16:51	WG1192443

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0257	0.100	0.118	1	11/02/2018 14:47	WG1190451
(S) a,a,a-Trifluorotoluene(FID)	93.9				77.0-120		11/02/2018 14:47	WG1190451

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000474	0.00100	0.00118	1	11/02/2018 15:39	WG1190490
Toluene	U		0.00148	0.00500	0.00592	1	11/02/2018 15:39	WG1190490
Ethylbenzene	U		0.000628	0.00250	0.00296	1	11/02/2018 15:39	WG1190490
Total Xylenes	U		0.00566	0.00650	0.00770	1	11/02/2018 15:39	WG1190490
(S) Toluene-d8	101				75.0-131		11/02/2018 15:39	WG1190490
(S) Dibromofluoromethane	114				65.0-129		11/02/2018 15:39	WG1190490
(S) a,a,a-Trifluorotoluene	101				80.0-120		11/02/2018 15:39	WG1190490
(S) 4-Bromofluorobenzene	105				67.0-138		11/02/2018 15:39	WG1190490

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.93	J	1.91	4.00	4.74	1	11/04/2018 19:45	WG1190740
C28-C40 Oil Range	3.45	J	0.325	4.00	4.74	1	11/04/2018 19:45	WG1190740
(S) o-Terphenyl	55.8				18.0-148		11/04/2018 19:45	WG1190740



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	11/02/2018 13:12	WG1190250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	71.7		0.935	10.0	11.8	1	11/07/2018 17:00	WG1192443

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0255	0.100	0.118	1	11/02/2018 15:29	WG1190451
(S) a,a,a-Trifluorotoluene(FID)	95.8				77.0-120		11/02/2018 15:29	WG1190451

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000470	0.00100	0.00118	1	11/02/2018 15:57	WG1190490
Toluene	U		0.00147	0.00500	0.00588	1	11/02/2018 15:57	WG1190490
Ethylbenzene	U		0.000623	0.00250	0.00294	1	11/02/2018 15:57	WG1190490
Total Xylenes	U		0.00562	0.00650	0.00764	1	11/02/2018 15:57	WG1190490
(S) Toluene-d8	98.9				75.0-131		11/02/2018 15:57	WG1190490
(S) Dibromofluoromethane	114				65.0-129		11/02/2018 15:57	WG1190490
(S) a,a,a-Trifluorotoluene	100				80.0-120		11/02/2018 15:57	WG1190490
(S) 4-Bromofluorobenzene	104				67.0-138		11/02/2018 15:57	WG1190490

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.76	J	1.89	4.00	4.70	1	11/04/2018 19:59	WG1190740
C28-C40 Oil Range	5.04		0.322	4.00	4.70	1	11/04/2018 19:59	WG1190740
(S) o-Terphenyl	71.7				18.0-148		11/04/2018 19:59	WG1190740



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	11/02/2018 13:12	WG1190250

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	31.2		0.891	10.0	11.2	1	11/07/2018 17:09	WG1192443

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3356549-1 11/02/18 13:12

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

L1039791-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1039791-01 11/02/18 13:12 • (DUP) R3356549-3 11/02/18 13:12

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.2	91.0	1	0.139		10

Laboratory Control Sample (LCS)

(LCS) R3356549-2 11/02/18 13:12

	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



Method Blank (MB)

(MB) R3357931-1 11/07/18 16:13

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R3357931-2 11/07/18 16:22

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	200	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

L1041529-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1041529-01 11/07/18 18:01 • (MS) R3357931-4 11/07/18 18:10 • (MSD) R3357931-5 11/07/18 18:19

	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	72.8	563	524	98.0	90.2	1	80.0-120			7.24	20

Method Blank (MB)

(MB) R3357333-3 11/02/18 12:18

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) R3357333-1 11/02/18 10:53 • (LCSD) R3357333-2 11/02/18 11:14

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	4.76	4.69	86.5	85.3	72.0-127			1.36	20
(S) a,a,a-Trifluorotoluene(FID)				112	111	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3356437-2 11/02/18 12:02

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	99.5			75.0-131
(S) Dibromofluoromethane	117			65.0-129
(S) a,a,a-Trifluorotoluene	100			80.0-120
(S) 4-Bromofluorobenzene	104			67.0-138

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3356437-1 11/02/18 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.120	96.1	70.0-123	
Ethylbenzene	0.125	0.119	95.1	74.0-126	
Toluene	0.125	0.113	90.6	75.0-121	
Xylenes, Total	0.375	0.369	98.4	72.0-127	
(S) Toluene-d8			97.8	75.0-131	
(S) Dibromofluoromethane			120	65.0-129	
(S) a,a,a-Trifluorotoluene			102	80.0-120	
(S) 4-Bromofluorobenzene			103	67.0-138	

L1040035-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1040035-02 11/02/18 19:57 • (MS) R3356437-3 11/02/18 20:16 • (MSD) R3356437-4 11/02/18 20:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	U	0.726	0.804	72.6	80.4	8	10.0-149			10.2	37
Ethylbenzene	0.125	U	0.718	0.834	71.8	83.4	8	10.0-160			14.9	38
Toluene	0.125	U	0.710	0.803	71.0	80.3	8	10.0-156			12.2	38
Xylenes, Total	0.375	U	2.24	2.59	74.8	86.5	8	10.0-160			14.5	38
(S) Toluene-d8					103	103		75.0-131				
(S) Dibromofluoromethane					119	119		65.0-129				
(S) a,a,a-Trifluorotoluene					101	104		80.0-120				
(S) 4-Bromofluorobenzene					126	121		67.0-138				

Sample Narrative:

OS: Non-target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R3356805-1 11/02/18 21:53

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	77.5			18.0-148

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

(LCS) R3356805-2 11/02/18 22:09 • (LCSD) R3356805-3 11/02/18 22:23

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	32.2	33.1	64.4	66.2	50.0-150			2.76	20
(S) o-Terphenyl				80.8	82.9	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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.
---	---

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

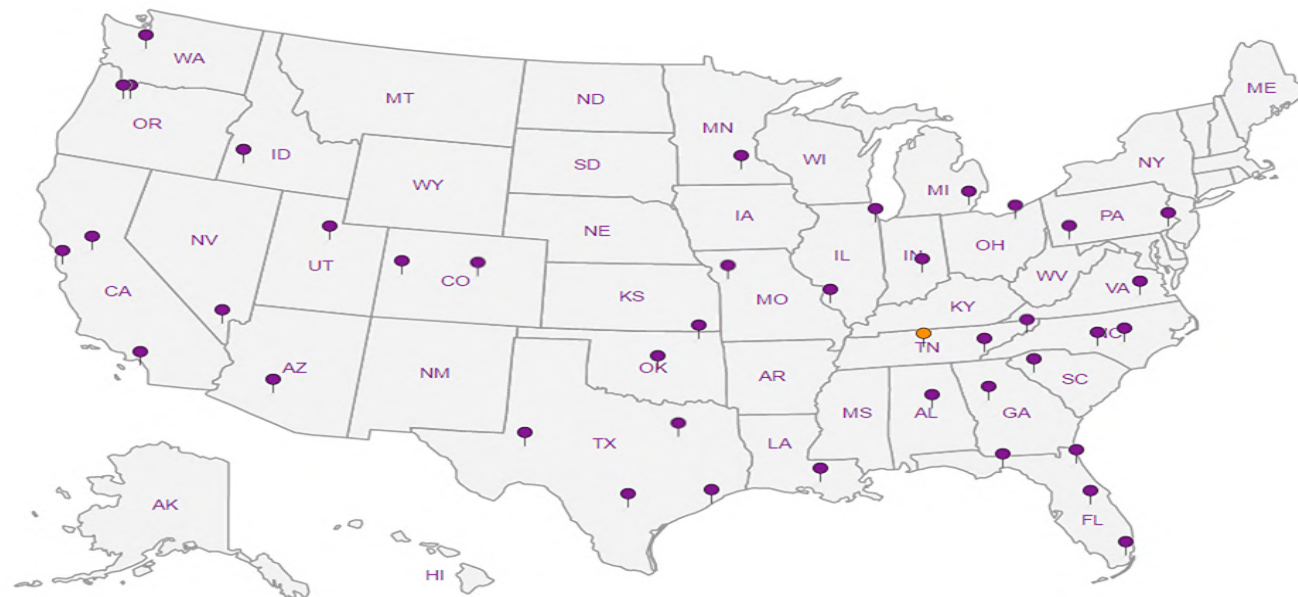
Third Party Federal Accreditations

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.



Analysis Request of Chain of Custody Record

Page 2



Tetra Tech, Inc.

900 4th St. N. Minneapolis, MN 55412
 612/338-7070
 T 1-800-441-4411
 F 1-800-441-4411

Client Name	Conoco Phillips	Site Manager	Kayla Taylor
Project Name	COP Satellite 5		
Project Location (county, state)	Lea County, New Mexico	Well #	212C-MD-01391
Invoice to	Accounts Payable 900 West Wall Street Suite 100 Midland Texas 79701		
Receiving Laboratory	Pace Analytical	Samurai Signature	
Comments	COPIETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

Not requested by	Date	Time	Received by	Date	Time
<i>Thos</i>	10-22-18	1250	<i>Kayla Taylor</i>	10-22-18	1250
Not requested by	Date	Time	Received by	Date	Time
<i>Kayla Taylor</i>					
Not requested by	Date	Time	Received by	Date	Time

LAB USE ONLY	REMARKS
	☒ STANDARD ☐ RUSH Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRAP Report
Sample Temperature	
HAND DELIVERED PRICE \$35	

ORIGINAL COPY

$$\begin{aligned} \Delta \mathcal{L} &= \mathcal{L}(\mathbf{y}^*, \mathbf{y}^*) - \mathcal{L}(\mathbf{y}^*, \mathbf{y}) \\ &= \mathcal{L}(\mathbf{y}^*, \mathbf{y}^*) - \mathcal{L}(\mathbf{y}^*, \mathbf{y}^* - \Delta \mathbf{y}) \\ &= \mathcal{L}(\mathbf{y}^*, \mathbf{y}^*) - \mathcal{L}(\mathbf{y}^*, \mathbf{y}^* - \Delta \mathbf{y}) \\ &= \mathcal{L}(\mathbf{y}^*, \mathbf{y}^*) - \mathcal{L}(\mathbf{y}^*, \mathbf{y}^* - \Delta \mathbf{y}) \end{aligned}$$

L 1040112 ~~103995~~ ^{NV} 11/11/12

ANALYSIS REQUEST
(Circle or Specify Method No.)[illegible]

LAB USE ONLY	REMARKS:
	☒ STANDARD ☐ RUSH Same Day 24 hr. Adv. fee 22 hr. ☐ Rush Charges Authorized ☐ Special Report Limits or TATAP Report
Sample Temperature	

0511-06^u_{A3}

Andy Vann

From: Chris McCord
Sent: Thursday, November 01, 2018 11:02 AM
To: Login; Due SVOC; Due VOC
Subject: L1037775 *COPTETRA* goes OQH tomorrow
Attachments: COPTETRA.jpg

Importance: High

Please log samples ESW-3(6'), WSW-1 (5'), WSW 2 (5') for GRO, DRORLA, V8260BTEX, CHLORIDE-300, and TS Missing page of the COC is attached. Samples are on hold with 10-171

Log hold sample ESW-2(4') for CHLORIDE-300 and TS Log all as R5 due 11/8. Refer to 10-171 for hold sample.

Thanks,
Christopher McCord
Project Manager

Pace Analytical National Center for Testing & Innovation
12065 Lebanon Road | Mt Juliet, TN 37122
615.773.3281 | Cell 615.504.3183
cmccord@pacenational.com | pacenational.com

ESC Lab Sciences is now Pace Analytical National Center for Testing & Innovation! Please make note of my new email address and website.

From: LovelyTaylor, Kayla [<mailto:Kayla.LovelyTaylor@tetrattech.com>]
Sent: Thursday, November 01, 2018 10:42 AM
To: Chris McCord
Cc: Merritt, Clint; Tyler, Joe
Subject: RE: Pace National Report for 212C-MD-01391 Satellite 5 L1037775

We need to analyze:

ESW-3 (6')
WSW-1 (5')
WSW-2 (5')

The two at 4' intervals can be held

Thanks Chris!

From: Chris McCord <CMcCord@pacenational.com>
Sent: Thursday, November 1, 2018 10:39 AM
To: LovelyTaylor, Kayla <Kayla.LovelyTaylor@tetrattech.com>
Cc: Merritt, Clint <Clint.Merritt@tetrattech.com>; Tyler, Joe <Joe.Tyler@tetrattech.com>
Subject: RE: Pace National Report for 212C-MD-01391 Satellite 5 L1037775

Will do. Do all of the samples on the second page need to be analyzed or just ESW-3(6')?

Thanks,

Christopher McCord

Project Manager

Pace Analytical National Center for Testing & Innovation

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.3281 | Cell 615.504.3183

cmccord@pacenational.com | pacenational.com

ESC Lab Sciences is now Pace Analytical National Center for Testing & Innovation! Please make note of my new email address and website.

From: LovelyTaylor, Kayla [<mailto:Kayla.LovelyTaylor@tetrattech.com>]

Sent: Thursday, November 01, 2018 10:31 AM

To: Chris McCord

Cc: Merritt, Clint; Tyler, Joe

Subject: RE: Pace National Report for 212C-MD-01391 Satellite 5 L1037775

That is correct, it should be ESW 3(6') and needs to be ran

Also, since it was a typo on the COC, that means ESW-2(4') should be ran for chlorides. I just realized it's TPH hold time got busted.\

Thanks Chris!

From: Chris McCord <CMcCord@pacenational.com>

Sent: Thursday, November 1, 2018 10:28 AM

To: LovelyTaylor, Kayla <Kayla.LovelyTaylor@tetrattech.com>

Cc: Merritt, Clint <Clint.Merritt@tetrattech.com>; Tyler, Joe <Joe.Tyler@tetrattech.com>

Subject: RE: Pace National Report for 212C-MD-01391 Satellite 5 L1037775

We have the samples. They were with the other hold samples. Not sure what happened to the other page of the COC but we can get them logged today. Hold time expires tomorrow.

Are you needing them all to be analyzed for everything?

Should it be ESW-3(6') on the second page of the COC. That's what you have below and I think that is what the container said.

Thanks,

Christopher McCord

Project Manager

Pace Analytical National Center for Testing & Innovation

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.3281 | Cell 615.504.3183

cmccord@pacenational.com | pacenational.com

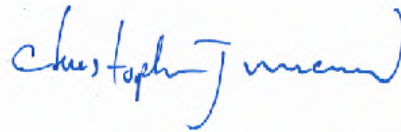
December 28, 2018

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1054172
Samples Received: 12/18/2018
Project Number: 212C-MD-01391
Description: Satellite 5

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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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



AH-5(4') L1054172-01 Solid

			Collected by	Collected date/time	Received date/time
				12/12/18 11:00	12/18/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1212947	1	12/19/18 09:19	12/19/18 09:28	JD
Wet Chemistry by Method 300.0	WG1213102	1	12/19/18 10:54	12/20/18 16:05	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1214016	1	12/18/18 18:05	12/20/18 17:22	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1215163	1	12/18/18 18:05	12/22/18 21:19	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1214464	1	12/20/18 18:53	12/21/18 10:35	MTJ

¹ Cp

² Tc

³ Ss

⁴ Cn

SSW-8(2') L1054172-02 Solid

			Collected by	Collected date/time	Received date/time
				12/12/18 09:00	12/18/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1213111	1	12/19/18 13:02	12/19/18 13:15	JD
Wet Chemistry by Method 300.0	WG1213102	1	12/19/18 10:54	12/20/18 16:22	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1214016	1	12/18/18 18:05	12/20/18 17:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1215163	1	12/18/18 18:05	12/22/18 21:38	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1214464	1	12/20/18 18:53	12/21/18 11:30	MTJ

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

SSW-9(4') L1054172-03 Solid

			Collected by	Collected date/time	Received date/time
				12/12/18 12:35	12/18/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1213111	1	12/19/18 13:02	12/19/18 13:15	JD
Wet Chemistry by Method 300.0	WG1213102	1	12/19/18 10:54	12/20/18 16:38	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1214829	1	12/18/18 18:05	12/22/18 08:17	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1215163	1	12/18/18 18:05	12/22/18 21:56	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1214464	1	12/20/18 18:53	12/21/18 11:43	MTJ

⁹ Sc

NSW-3(4') L1054172-04 Solid

			Collected by	Collected date/time	Received date/time
				12/12/18 11:10	12/18/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1213111	1	12/19/18 13:02	12/19/18 13:15	JD
Wet Chemistry by Method 300.0	WG1213102	1	12/19/18 10:54	12/20/18 16:55	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1214016	1	12/18/18 18:05	12/20/18 19:06	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1215163	1	12/18/18 18:05	12/22/18 22:15	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1214464	1	12/20/18 18:53	12/21/18 10:49	MTJ

ESW-4(4') L1054172-05 Solid

			Collected by	Collected date/time	Received date/time
				12/12/18 11:40	12/18/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1213111	1	12/19/18 13:02	12/19/18 13:15	JD
Wet Chemistry by Method 300.0	WG1213102	1	12/19/18 10:54	12/20/18 17:11	MAJ
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1214016	1	12/18/18 18:05	12/20/18 19:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1215163	1	12/18/18 18:05	12/22/18 22:34	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1214464	5	12/20/18 18:53	12/21/18 11:57	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 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	87.4		1	12/19/2018 09:28	WG1212947

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	206		0.910	10.0	11.4	1	12/20/2018 16:05	WG1213102

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0248	0.100	0.114	1	12/20/2018 17:22	WG1214016
(S) a,a,a-Trifluorotoluene(FID)	101				77.0-120		12/20/2018 17:22	WG1214016

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000458	0.00100	0.00114	1	12/22/2018 21:19	WG1215163
Toluene	U		0.00143	0.00500	0.00572	1	12/22/2018 21:19	WG1215163
Ethylbenzene	U		0.000607	0.00250	0.00286	1	12/22/2018 21:19	WG1215163
Total Xylenes	0.00588	J	0.00547	0.00650	0.00744	1	12/22/2018 21:19	WG1215163
(S) Toluene-d8	120				75.0-131		12/22/2018 21:19	WG1215163
(S) Dibromofluoromethane	103				65.0-129		12/22/2018 21:19	WG1215163
(S) a,a,a-Trifluorotoluene	105				80.0-120		12/22/2018 21:19	WG1215163
(S) 4-Bromofluorobenzene	121				67.0-138		12/22/2018 21:19	WG1215163

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.16	J J3	1.84	4.00	4.58	1	12/21/2018 10:35	WG1214464
C28-C40 Oil Range	1.67	J	0.314	4.00	4.58	1	12/21/2018 10:35	WG1214464
(S) o-Terphenyl	86.3				18.0-148		12/21/2018 10:35	WG1214464



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	12/19/2018 13:15	WG1213111

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	367		0.887	10.0	11.2	1	12/20/2018 16:22	WG1213102

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0242	0.100	0.112	1	12/20/2018 17:44	WG1214016
(S) a,a,a-Trifluorotoluene(FID)	100				77.0-120		12/20/2018 17:44	WG1214016

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000446	0.00100	0.00112	1	12/22/2018 21:38	WG1215163
Toluene	U		0.00139	0.00500	0.00558	1	12/22/2018 21:38	WG1215163
Ethylbenzene	U		0.000591	0.00250	0.00279	1	12/22/2018 21:38	WG1215163
Total Xylenes	U		0.00533	0.00650	0.00725	1	12/22/2018 21:38	WG1215163
(S) Toluene-d8	119				75.0-131		12/22/2018 21:38	WG1215163
(S) Dibromofluoromethane	106				65.0-129		12/22/2018 21:38	WG1215163
(S) a,a,a-Trifluorotoluene	106				80.0-120		12/22/2018 21:38	WG1215163
(S) 4-Bromofluorobenzene	124				67.0-138		12/22/2018 21:38	WG1215163

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	12.7	J3	1.80	4.00	4.46	1	12/21/2018 11:30	WG1214464
C28-C40 Oil Range	18.2		0.306	4.00	4.46	1	12/21/2018 11:30	WG1214464
(S) o-Terphenyl	78.2				18.0-148		12/21/2018 11:30	WG1214464



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	12/19/2018 13:15	WG1213111

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	389		0.856	10.0	10.8	1	12/20/2018 16:38	WG1213102

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0234	0.100	0.108	1	12/22/2018 08:17	WG1214829
(S) a,a,a-Trifluorotoluene(FID)	104				77.0-120		12/22/2018 08:17	WG1214829

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000431	0.00100	0.00108	1	12/22/2018 21:56	WG1215163
Toluene	U		0.00135	0.00500	0.00538	1	12/22/2018 21:56	WG1215163
Ethylbenzene	U		0.000571	0.00250	0.00269	1	12/22/2018 21:56	WG1215163
Total Xylenes	U		0.00515	0.00650	0.00700	1	12/22/2018 21:56	WG1215163
(S) Toluene-d8	119				75.0-131		12/22/2018 21:56	WG1215163
(S) Dibromofluoromethane	105				65.0-129		12/22/2018 21:56	WG1215163
(S) a,a,a-Trifluorotoluene	104				80.0-120		12/22/2018 21:56	WG1215163
(S) 4-Bromofluorobenzene	125				67.0-138		12/22/2018 21:56	WG1215163

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	7.82	J3	1.73	4.00	4.31	1	12/21/2018 11:43	WG1214464
C28-C40 Oil Range	15.9		0.295	4.00	4.31	1	12/21/2018 11:43	WG1214464
(S) o-Terphenyl	76.8				18.0-148		12/21/2018 11:43	WG1214464



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	12/19/2018 13:15	WG1213111

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	165		0.879	10.0	11.1	1	12/20/2018 16:55	WG1213102

5 Sr

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0240	0.100	0.111	1	12/20/2018 19:06	WG1214016
(S) a,a,a-Trifluorotoluene(FID)	101				77.0-120		12/20/2018 19:06	WG1214016

6 Qc

7 Gl

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000442	0.00100	0.00111	1	12/22/2018 22:15	WG1215163
Toluene	U		0.00138	0.00500	0.00553	1	12/22/2018 22:15	WG1215163
Ethylbenzene	U		0.000586	0.00250	0.00276	1	12/22/2018 22:15	WG1215163
Total Xylenes	U		0.00528	0.00650	0.00718	1	12/22/2018 22:15	WG1215163
(S) Toluene-d8	119				75.0-131		12/22/2018 22:15	WG1215163
(S) Dibromofluoromethane	104				65.0-129		12/22/2018 22:15	WG1215163
(S) a,a,a-Trifluorotoluene	105				80.0-120		12/22/2018 22:15	WG1215163
(S) 4-Bromofluorobenzene	119				67.0-138		12/22/2018 22:15	WG1215163

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.11	J J3	1.78	4.00	4.42	1	12/21/2018 10:49	WG1214464
C28-C40 Oil Range	2.53	J	0.303	4.00	4.42	1	12/21/2018 10:49	WG1214464
(S) o-Terphenyl	100				18.0-148		12/21/2018 10:49	WG1214464



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	12/19/2018 13:15	WG1213111

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	190		0.901	10.0	11.3	1	12/20/2018 17:11	WG1213102

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0246	0.100	0.113	1	12/20/2018 19:29	WG1214016
(S) a,a,a-Trifluorotoluene(FID)	101				77.0-120		12/20/2018 19:29	WG1214016

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

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000453	0.00100	0.00113	1	12/22/2018 22:34	WG1215163
Toluene	U		0.00142	0.00500	0.00566	1	12/22/2018 22:34	WG1215163
Ethylbenzene	U		0.000600	0.00250	0.00283	1	12/22/2018 22:34	WG1215163
Total Xylenes	U		0.00541	0.00650	0.00736	1	12/22/2018 22:34	WG1215163
(S) Toluene-d8	118				75.0-131		12/22/2018 22:34	WG1215163
(S) Dibromofluoromethane	99.1				65.0-129		12/22/2018 22:34	WG1215163
(S) a,a,a-Trifluorotoluene	104				80.0-120		12/22/2018 22:34	WG1215163
(S) 4-Bromofluorobenzene	119				67.0-138		12/22/2018 22:34	WG1215163

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	14.2	J J3	9.12	4.00	22.6	5	12/21/2018 11:57	WG1214464
C28-C40 Oil Range	48.0		1.55	4.00	22.6	5	12/21/2018 11:57	WG1214464
(S) o-Terphenyl	99.2				18.0-148		12/21/2018 11:57	WG1214464

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

[L1054172-01](#)

Method Blank (MB)

(MB) R3369902-1 12/19/18 09:28

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

L1054146-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1054146-15 12/19/18 09:28 • (DUP) R3369902-3 12/19/18 09:28

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	77.2	76.2	1	1.36		10

Laboratory Control Sample (LCS)

(LCS) R3369902-2 12/19/18 09:28

	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



Method Blank (MB)

(MB) R3369935-1 12/19/18 13:15

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1054059-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1054059-09 12/19/18 13:15 • (DUP) R3369935-3 12/19/18 13:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	74.3	75.2	1	1.10		10

Laboratory Control Sample (LCS)

(LCS) R3369935-2 12/19/18 13:15

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

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3370187-1 12/20/18 11:35

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

L1050004-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1050004-09 12/20/18 13:05 • (DUP) R3370187-4 12/20/18 13:21

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	3290	3110	10	5.72		20

Laboratory Control Sample (LCS)

(LCS) R3370187-3 12/20/18 12:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	199	99.3	90.0-110	

L1050989-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1050989-07 12/20/18 13:38 • (MS) R3370187-5 12/20/18 13:54 • (MSD) R3370187-6 12/20/18 14:10

	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	654	3520	4500	4430	151	140	1	80.0-120	E V	E V	1.60	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3370547-3 12/20/18 13:36

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

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) R3370547-1 12/20/18 12:30 • (LCSD) R3370547-2 12/20/18 12:52

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	5.77	5.80	105	105	72.0-127			0.493	20
(S) a,a,a-Trifluorotoluene(FID)				96.7	97.0	77.0-120				



Method Blank (MB)

(MB) R3370722-5 12/22/18 05:57

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

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) R3370722-3 12/22/18 04:50 • (LCSD) R3370722-4 12/22/18 05:12

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	5.76	5.68	105	103	72.0-127			1.46	20
(S) a,a,a-Trifluorotoluene(FID)				98.2	99.2	77.0-120				



Method Blank (MB)

(MB) R3370993-2 12/22/18 16:16

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	115			75.0-131
(S) Dibromofluoromethane	104			65.0-129
(S) a,a,a-Trifluorotoluene	106			80.0-120
(S) 4-Bromofluorobenzene	115			67.0-138

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3370993-1 12/22/18 15:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.140	112	70.0-123	
Ethylbenzene	0.125	0.130	104	74.0-126	
Toluene	0.125	0.120	95.9	75.0-121	
Xylenes, Total	0.375	0.397	106	72.0-127	
(S) Toluene-d8			114	75.0-131	
(S) Dibromofluoromethane			116	65.0-129	
(S) a,a,a-Trifluorotoluene			112	80.0-120	
(S) 4-Bromofluorobenzene			108	67.0-138	

L1054261-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1054261-03 12/23/18 00:45 • (MS) R3370993-3 12/22/18 16:48 • (MSD) R3370993-4 12/22/18 17:06

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 %
Benzene	0.148	U	0.120	0.125	80.9	84.5	1	10.0-149			4.44	37
Ethylbenzene	0.148	0.00799	0.118	0.120	74.0	75.3	1	10.0-160			1.74	38
Toluene	0.148	0.00774	0.109	0.114	68.3	71.9	1	10.0-156			4.74	38
Xylenes, Total	0.445	0.0853	0.404	0.412	71.5	73.4	1	10.0-160			2.04	38
(S) Toluene-d8					116	115		75.0-131				
(S) Dibromofluoromethane					108	106		65.0-129				
(S) a,a,a-Trifluorotoluene					106	105		80.0-120				
(S) 4-Bromofluorobenzene					119	124		67.0-138				



Method Blank (MB)

(MB) R3370528-1 12/21/18 09:54

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	98.0			18.0-148

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

(LCS) R3370528-2 12/21/18 10:08 • (LCSD) R3370528-3 12/21/18 10:21

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	43.8	54.2	87.6	108	50.0-150		J3	21.2	20
(S) o-Terphenyl				85.1	102	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.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(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 Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

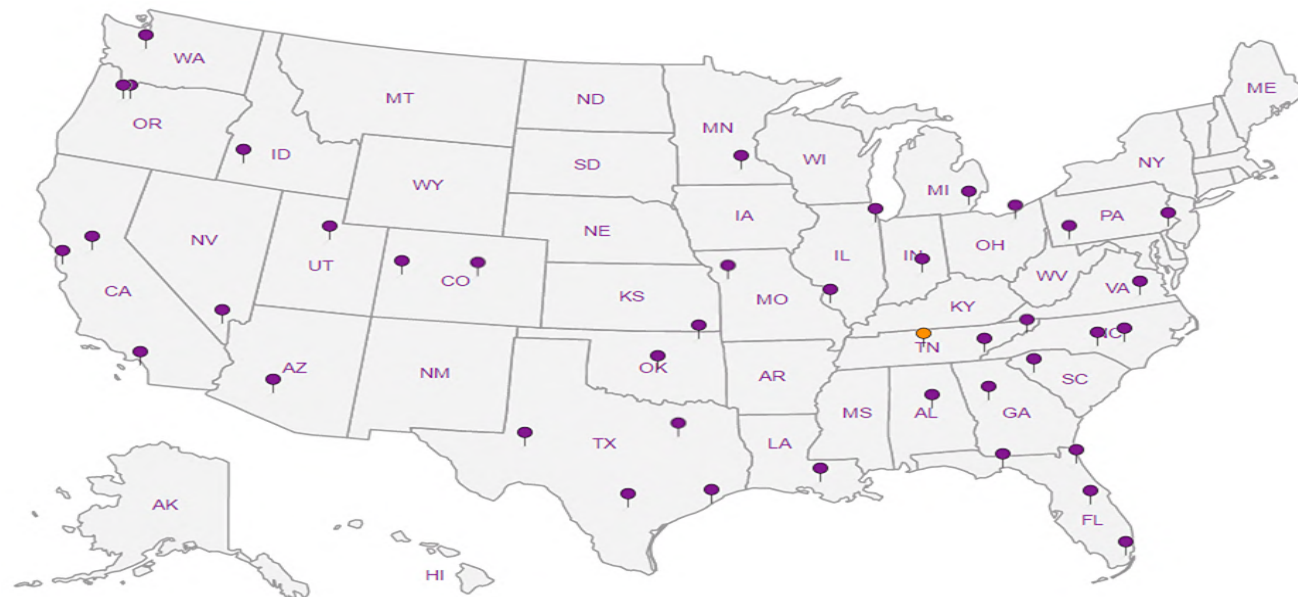
Third Party Federal Accreditations

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.





100 West Wall Street, Ste 100
Midland, Texas 79701
Tel (409) 692-4569
Fax (409) 692-1005

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B (BTEX 8260A)	
TPH TX-100S (Ext to C36)	
TPH 8015X GFO - DFO - DIPO - MIRO	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GCMS Vol. 8260B / 824	
GCMS Semi. Vol. 8270CA/26	
PCBs 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride 300TD	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
TPH 8015R	
Held	

[illegible]

Relinquished by: 	Date: 12-17-18	Time: 14:15	Received by: 	Date: 12-17-18	Time: 14:15
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: 	Date: 12/17/18	Time: 8245

LAB USE ONLY	REMARKS:
	☒ STANDARD ☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRAP Report

U/Crate	HAND DELIVERED	FEDEX	UPS	Tracking #
1				
2				
3				
4				
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6				
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100				

ORIGINAL COPY

$$T_c = 7 = 402$$

RAD SCREEN: <0.5 mR/hr

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: <u>C6PTETRA</u>		SDG#	<u>21054172</u>
Cooler Received/Opened On: 12/ <u>17</u> /18		Temperature:	<u>0.2</u>
Received By: Patrick Nshizirunugu			
Signature: 			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	☒		
COC Signed / Accurate?		☒	
Bottles arrive intact?		☒	
Correct bottles used?		☒	
Sufficient volume sent?		☒	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

APPENDIX D

Photographic Documentation

**ConocoPhillips
EVGSAU Satellite 5
1RP-3775
Lea County, New Mexico**



1) View North – Southernmost portion of the excavation in progress.



2) View Southeast – Southernmost portion of the excavation, 40-mil liner was installed in accordance with the Tetra Tech Work Plan

**ConocoPhillips
EVGSAU Satellite 5
1RP-3775
Lea County, New Mexico**



3.) View West - Central portion of excavation, Satellite Facility in background



4.) View West - Central portion of excavation near AH-VERT2, Flare stack in background

**ConocoPhillips
EVGSAU Satellite 5
1RP-3775
Lea County, New Mexico**



5.) View East – Back scraped area within fence line of the facility pad



8.) View Northeast – Northern extent of Project area

**ConocoPhillips
EVGSAU Satellite 5
1RP-3775
Lea County, New Mexico**



7.) View Northeast – Facility pad after excavation activities



8.) View Northwest – Overview of completed excavation area in central portion.

APPENDIX E

Waste Manifests

TRANSPORTER'S MANIFEST

MANIFEST #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

10 yds

FACILITY CONTACT:

Date: 9-4-18

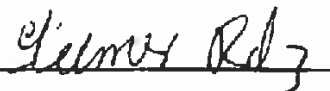
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-4-18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9-4-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 1
Manif. Date: 9/4/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M02
Card #
Job Ref #

Ticket #: 700-927140
Bid #: O6UJ9A0009Z1
Date: 9/4/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service		Quantity Units									
Contaminated Soil (RCRA Exempt)		10.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:
☒ 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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

10 yards

FACILITY CONTACT:

Date: 9-4-18

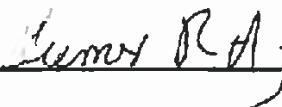
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-4-18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-4-18

Representative
Signature





Customer: CONOCOPHILLIP 3
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 2
Manif. Date: 9/4/2018
Hauler: MCNABB PARTNERS
Driver: GUMERO
Truck #: M02
Card #
Job Ref #

Ticket #: 700-927262
Bid #: O6UJ9A0009Z1
Date: 9/4/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

10.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 9-6-18

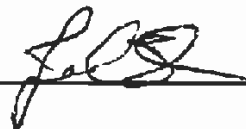
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-6-18

Signature Driver:

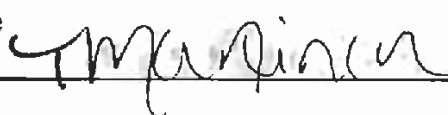


DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9/6/18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TAYLOR
AFE #:
PO #:
Manifest #: NA
Manif. Date: 9/6/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-927781
Bid #: O6UJ9A0009Z1
Date: 9/6/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	20.00 yards									
Lab Analysis	Cell 50/51	pH 0.00	Cl 0.00	Cond. 0.00	%Solids 0	TDS	PCI/GM	MR/HR	H2S	% Oil Weight

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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 9-6-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-6-18

Signature Driver: 

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 4
Manif. Date: 9/6/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-927784
Bid #: O6UJ9A0009Z1
Date: 9/6/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 9-6-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-6-18

Signature Driver:

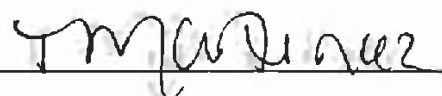


DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9/6/18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TAYLOR
AFE #:
PO #:
Manifest #: 5
Manif. Date: 9/6/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-927833
Bid #: O6UJ9A0009Z1
Date: 9/6/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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
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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5— RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu yds

FACILITY CONTACT:

Date: 9-6-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-6-18

Signature Driver:

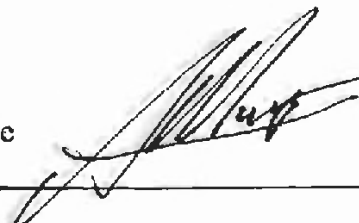


DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 6
Manif. Date: 9/6/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-927840
Bid #: O6UJ9A0009Z1
Date: 9/6/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 1 SA
Well #: 5
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:
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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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-6-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

9-6-18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-6-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 7
Manif. Date: 9/6/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-
Bid #: O6L'
Date: 9/6/
Generator: CON
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUO
Well #: 5
Field:
Field #:
Rlg: 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-6-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9-6-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-6-18

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 8
Manif. Date: 9/6/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-927910
Bid #: O6UJ9A0009Z1
Date: 9/6/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: 9-7-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-7-18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9-7-18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOTES
AFE #:
PO #:
Manifest #: 9
Manif. Date: 9/7/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-928056
Bid #: O6UJ9A0009Z1
Date: 9/7/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 10 cu. yds.

FACILITY CONTACT:

Date: 9-7-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-7-18

Signature Driver: James Rodriguez

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9-7-18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 10
Manif. Date: 9/7/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M02
Card #
Job Ref #

Ticket #: 700-928060
Bid #: O6UJ9A0009Z1
Date: 9/7/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

10.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-7-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

9-7-18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-7-18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 11
Manif. Date: 9/7/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-928103
Bid #: O6UJ9A0009Z1
Date: 9/7/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

10 cu. yds

FACILITY CONTACT:

Date: 9-7-18

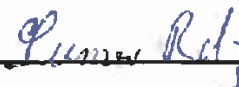
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-7-18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-7-18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 12
Manif Date: 9/7/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M02
Card #
Job Ref #

Ticket #: 700-928104
Bid #: O6UJ9A0009Z1
Date: 9/7/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

10.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: *9-7-18*

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

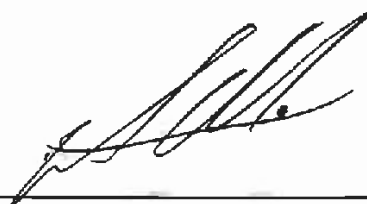


DISPOSAL SITE:

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 #: 13
Manif. Date: 9/7/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-928203
Bid #: O6UJ9A0009Z1
Date: 9/7/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 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:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

10 cu. yds

FACILITY CONTACT:

Date: 9-7-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

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 #: 14
Manif. Date: 9/7/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M02
Card #
Job Ref #

Ticket #: 700-928205
Bid #: O6UJ9A0009Z1
Date: 9/7/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

10.00 yards

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

Generator Certification Statement of Waste Status

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

☒ 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: *9-10-18*

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

Joe Tyler

NAME OF TRANSPORTER (Driver):

Date: *9-10-18*

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9/10/18

Representative
Signature

[Signature]



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 15
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-928935
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu yds

FACILITY CONTACT:

Date:

9-10-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9-10-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-10-18

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TAYLOR
AFE #:
PO #:
Manifest #: 16
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-928976
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: 9-10-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

9/10/18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-10-18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 17
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-928985
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-10-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

9/10/18

Signature Driver:



DISPOSAL SITE:

R360

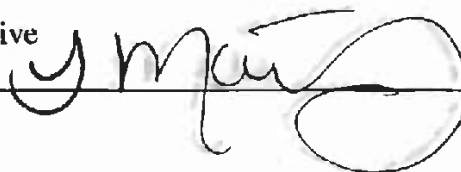
P.O. Box 388

Hobbs, New Mexico 88241

Date:

9/10/18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 18
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929030
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

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 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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: *9-10-18*

Signature of Contact:
(Agent for ConocoPhillips)

J. Tyler

NAME OF TRANSPORTER (Driver):

Date: *9-10-18*

Signature Driver:

Uph

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-10-18

Representative
Signature

GRB



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 19
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-929048
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

20

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-10-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

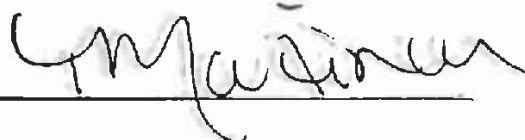
DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9/10/18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 20
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929084
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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

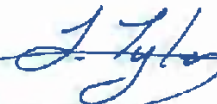
QUANTITY:

20 cu. yds.

FACILITY CONTACT:

Date: 9-10-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-10-18

Signature Driver:



MA-81

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 21
Manif. Date: 9/10/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M31
Card #
Job Ref #

Ticket #: 700-929110
Bid #: O6UJ9A0009Z1
Date: 9/10/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

22

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

9-11-18

Signature of Contact:
(Agent for ConocoPhillips)

J. Tyler

NAME OF TRANSPORTER (Driver):

Date:

9-11-18

Signature Driver:

John

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-11-18

Representative
Signature

T Martinez



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 22
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929251
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

9-11-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

9-11-18

Signature Driver:



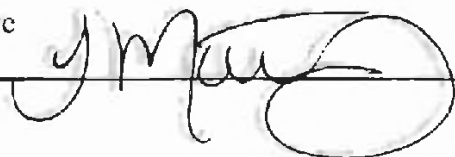
DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-11-18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 23
Manif. Date: 9/11/2018
Hauler: MCNABB
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-929256
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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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☐ 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:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-11-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9-11-18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

9/11/18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 24
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929313
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-11-18

Signature of Contact:
(Agent for ConocoPhillips)

J. H.

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9/14/18

Representative
Signature

Martinez



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 25
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-929323
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 86

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: 9-11-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 9-11-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9/11/18

Representative
Signature



Customer: CONO OPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 26
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929389
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

27

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

9-11-18

Signature of Contact:
(Agent for ConocoPhillips)

J. Yip

NAME OF TRANSPORTER (Driver):

Date:

9-11-18

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-11-18

Representative
Signature

Y. Martinez



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 27
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-929398
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: 9-11-18

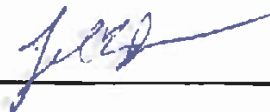
Signature of Contact:
(Agent for ConocoPhillips)

See Tyler w/ Petra Tech


NAME OF TRANSPORTER (Driver):

Date: 9-11-18

Signature Driver:

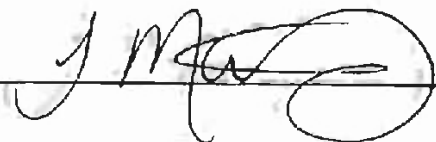


DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9-11-18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 28
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929452
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 29
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-929455
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12.00	yards
Lab Analysis:	Cell 50/51	pH 0.00
	Cl 0.00	Cond. 0.00
	%Solids 0	TDS
	PCI/GM	MR/HR
	H2S	% Oil
	Weight	

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 # 30

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yards

FACILITY CONTACT:

Date: 9-11-18

Signature of Contact:
(Agent for ConocoPhillips)

J. Zyla

NAME OF TRANSPORTER (Driver):

Date: 9-11-18

Signature Driver:

Ueff

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-11-18

Representative
Signature

G.D.



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 30
Manif. Date: 9/11/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-929477
Bid #: O6UJ9A0009Z1
Date: 9/11/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 31

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAQ.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

80 cu yds

FACILITY CONTACT:

Date:

9-12-18

Signature of Contact:
(Agent for ConocoPhillips)

Joe B. ...

NAME OF TRANSPORTER (Driver):

Date:

9/12/18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-12-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 31
Manif. Date: 9/12/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929657
Bid #: O6UJ9A0009Z1
Date: 9/12/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: *9-12-18*

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: *9-12-18*

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: *9-12-18*

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 32
Manif. Date: 9/12/2018
Hauler: MCNABB
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929701
Bid #: O6UJ9A0009Z1
Date: 9/12/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

33

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9/12/18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9-12-18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2100
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 33
Manif. Date: 9/12/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929765
Bid #: O6UJ9A0009Z1
Date: 9/12/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-12-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9/12/18

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

9/12/18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CR12190
Ordered by: JOE TYER
AFE #:
PO #:
Manifest #: 34
Manif. Date: 9/12/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-929830
Bid #: O6UJ9A0009Z1
Date: 9/12/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

35

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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:

12 cu yds

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

9-12-18

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 35
Manif. Date: 9/12/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-929839
Bid #: O6UJ9A0009Z1
Date: 9/12/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil
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:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 15.20 cu. yds.

FACILITY CONTACT:

Date: 9-13-18

Signature of Contact:
(Agent for ConocoPhillips)

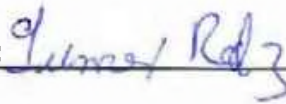
Joe Tyler w/ Tetra Tech



NAME OF TRANSPORTER (Driver):

Date:

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 GAOTES
AFE #:
PO #:
Manifest #: 36
Manif. Date: 9/13/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930012
Bid #: O6UJ9A0009Z1
Date: 9/13/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-13-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Quince Rdz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9/13/18

Representative
Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATOR

NO. 337772

Operator No. _____
Operators Name _____
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
A/E/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 quantitation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
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 or 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) AUTHORITY/ AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

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

DEPART DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

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 casing > 50 ft from cements? (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	

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



(PLEASE PRINT)

Name _____

Phone No. _____

GENERATOR

NO. 337772

Operator No. _____
Operators Name _____
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. _____
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)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
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		
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 AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

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

DELIVER DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Christad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO IF YES, was reading > 50 micromeritgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

OS&W/BBLs Received		OS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name _____

Phone No. _____

GENERATOR

NO. 337772

Operator No. _____
Operator's Name _____
Address _____
City, State, Zip _____
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. _____
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)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
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		
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 OIL FIELD: 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) GENERATOR'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator 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. _____

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	BS&W/BBLs Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

TRANSPORTER'S MANIFEST

MANIFEST # 38

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

9-13-15

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Lumer Rodriguez

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: **37 38**
Manif. Date: 9/13/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930111
Bid #: O6UJ9A0009Z1
Date: 9/13/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 MANIFEST

MANIFEST # 39

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

9-13-18

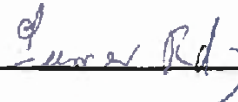
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



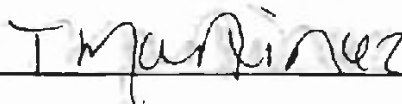
DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

9/13/18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 39
Manif. Date: 9/13/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930195
Bid #: O6UJ9A0009Z1
Date: 9/13/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

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 MANIFEST

MANIFEST #

40

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 9-14-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-14-18

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 #: 40
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-930390
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:	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 #

41

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 yds

FACILITY CONTACT:

Date:

9-14-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

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 #: 41
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930397
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service		Quantity Units									
Contaminated Soil (RCRA Exempt)		15.00 yards									
Lab Analysis		Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
		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 #

42

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

12 cu. yds

FACILITY CONTACT:

Date: 9-14-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 9/14/18

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 42
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-930428
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 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 # 42

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 cu yds

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9-17-18

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 #: 42
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931327
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 1 SA
Well #: 5
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:	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 # 43

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: *9-14-18*

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: *9-14-18*

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 43
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-930448
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units										
Contaminated Soil (RCRA Exempt)	18.00 yards										
Lab Analysis.	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
	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 # 43

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu yds.

FACILITY CONTACT:

Date: 9-17-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

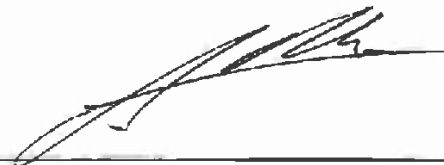
James Redz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 43
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-931332
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 # 44

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: *9-14-18*

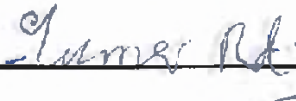
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CR12190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 44
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930450
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 #

44

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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:

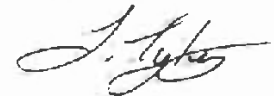
18 cu. yds

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 9-17-18

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 #: 44
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931376
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	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 # 45

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu.yds.

FACILITY CONTACT:

Date:

9-14-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

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: NEAL GAOTES
AFE #:
PO #:
Manifest #: 45
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-930482
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	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 #

45

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu.yds

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Yemert Redg

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 45
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M3
Card #
Job Ref #

Ticket #: 700-931382
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 # 46

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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: *9-17-18*

Signature of Contact:
(Agent for ConocoPhillips)

J. Tyler

NAME OF TRANSPORTER (Driver):

Date: *9-17-18*

Signature Driver:

U. Luna

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 46
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931461
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 # 46

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: *9-14-18*

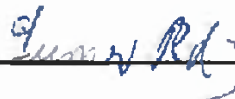
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 46
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930514
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 # 47

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 yds

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Lumen Rdz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 47
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-931465
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 1 SA
Well #: 5
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.	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 # 47

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu yds

FACILITY CONTACT:

Date:

9-14-18

Signature of Contact:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date:

9-14-18

Signature Driver:

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 47
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-930511
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 # 48

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: *9-17-18*

Signature of Contact:
(Agent for ConocoPhillips)

J. Tyler

NAME OF TRANSPORTER (Driver):

Date: *9-17-18*

Signature Driver:

Chris Luman

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 48
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: ~~GEORGE~~ Cleo
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931524
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	18.00 yards									
Lab Analysis:	Cell	pH	C	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
	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 # 48

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-14-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

9-14-18

Signature Driver:

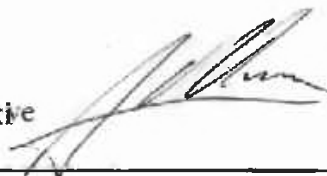


DISPOSAL SITE:

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 #: 48
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-930582
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 #

49

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-14-18

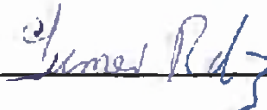
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

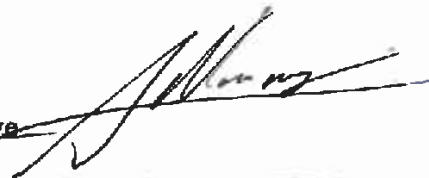


DISPOSAL SITE:

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 #: 49
Manif. Date: 9/14/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-930590
Bid #: O6UJ9A0009Z1
Date: 9/14/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	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 # 49

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

9-17-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Lumen Rdz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 49
Manif. Date: 9/17/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-931526
Bid #: O6UJ9A0009Z1
Date: 9/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:	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 # 50

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: *9-18-18*

Signature of Contact:
(Agent for ConocoPhillips)

J. Taylor

NAME OF TRANSPORTER (Driver):

Date: *9-18-18*

Signature Driver:

Chris Lerner

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 50
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931675
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	18.00 yards									
Lab Analysis:	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
	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 # 51

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: *9-18-18*

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Lumen Rodriguez

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 51
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: 01
Card #
Job Ref #

Ticket #: 700-931677
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 5
Well #: 5
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.	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 # 52

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: *9-18-18*

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: *9-18-18*

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 #: 52
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931722
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:	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 # 53

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5— RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 yds

FACILITY CONTACT:

Date: *9-18-18*

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Chenel Rodriguez

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 #: 53
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-931723
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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:	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 # 54

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: *9-18-18*

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: *9-18-18*

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 #: 54
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931780
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 55

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

FACILITY CONTACT:

Date:

9-18-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Gumer Rdz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 55
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-931782
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

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 MANIFEST

MANIFEST # 56

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-18-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

9-18-18

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: NEAL GHOATES
AFE #:
PO #:
Manifest #: 56
Manif. Date: 9/18/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M32
Card #
Job Ref #

Ticket #: 700-931838
Bid #: O6UJ9A0009Z1
Date: 9/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 57

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date:

9-18-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest # 57
Manif. Date: 9/21/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck # M31
Card #
Job Ref #

Ticket #: 700-932675
Bid #: O6UJ9A0009Z1
Date: 9/21/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 MANIFEST

MANIFEST # 58

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu yds.

FACILITY CONTACT:

Date: 10-16-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

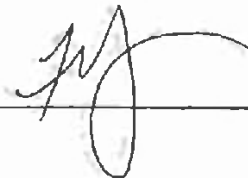
Signature Driver: Lester Rdz.

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 10/16/18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 58
Manif. Date: 10/16/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-941714
Bid #: O6UJ9A0009Z1
Date: 10/16/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 1 SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: GRI

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 MANIFEST

MANIFEST #

59

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn: Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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: 10 cu yds

FACILITY CONTACT:

Date: 10-16-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



DISPOSAL SITE:

R360

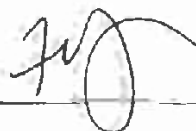
P.O. Box 388

Hobbs, New Mexico 88241

Date:

10/16/18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 59
Manif. Date: 10/16/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-941718
Bid #: O6UJ9A0009Z1
Date: 10/16/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units										
Contaminated Soil (RCRA Exempt)	10.00 yards										
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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 # 60

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu yds

FACILITY CONTACT:

Date: 10-16-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

[Signature]

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 #: 60
Manif. Date: 10/16/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-941802
Bid #: O6UJ9A0009Z1
Date: 10/16/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 1 SA
Well #: 5
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 MANIFEST

MANIFEST # 61

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd. Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

Gl. Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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:

10 cu. yds.

FACILITY CONTACT:

Date:

10-16-18

Signature of Contact:

(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

[Signature]

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

10/16/18

Representative

Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: NA
Manif. Date: 10/16/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-941803
Bid #: O6UJ9A0009Z1
Date: 10/16/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT 1 SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service		Quantity Units									
Contaminated Soil (RCRA Exempt)		10.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

- ☒ 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 # 68

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd. Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds

FACILITY CONTACT:

Date: 10-16-18

Signature of Contact:
(Agent for ConocoPhillips)

~~____~~ ~~____~~ ~~____~~ ~~____~~
Joe Tyler


NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

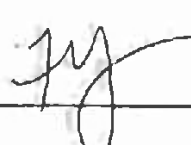
Gamer Rdz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature

10/16/18 



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 62
Manif. Date: 10/16/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M31
Card #
Job Ref #

Ticket #: 700-941870
Bid #: O6UJ9A0009Z1
Date: 10/16/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

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
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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 # 63

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

10 cu. yds.

FACILITY CONTACT:

Date: *10-16-18*

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

10-16-18

Representative
Signature

[Signature]



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JUSTIN WRIGHT
AFE #:
PO #:
Manifest #: NA
Manif. Date: 10/16/2018
Hauler: MCNABB PARTNERS
Driver: CODY
Truck #: M02
Card #
Job Ref #

Ticket #: 700-941869
Bid #: O6UJ9A0009Z1
Date: 10/16/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service		Quantity Units									
Contaminated Soil (RCRA Exempt)		10.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

☒ 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 # 1 (10/17)

SHIPPING FACILITY NAME & ADDRESS:

Company: Conoco Phillips
Address:
Project Lead: Clint Merritt

LOCATION OF MATERIAL:

Location: Evgsay
Company: Satellite 5

S _____ T _____ R _____

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: 10/17/18

Contact Signature:
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 10/17/18

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Date: 10/17/18

Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: CLINT MERRITT
AFE #:
PO #:
Manifest #: 1
Manif. Date: 10/17/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-942105
Bid #: O6UJ9A0009Z1
Date: 10/17/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 64 65

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5 - RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: *10-18-18*

Signature of Contact:
(Agent for ConocoPhillips)

J. Lytle

NAME OF TRANSPORTER (Driver):

Date: *10-18-18*

Signature Driver:

John Lytle

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: *10/18/18*

Representative
Signature

John Lytle



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 65
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-942512
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 66

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn: Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No. 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu.yds.

FACILITY CONTACT:

Date:

10-18-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

10-18-18

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

10-18-18

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CR12190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 66
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-942527
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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	PC/MG	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 # 67

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

12 cu. yds

FACILITY CONTACT:

Date:

10-18-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

Lucretia Rdz

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

10/18/18

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 67
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: MR2
Card #
Job Ref #

Ticket #: 700-942539
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rlg: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 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 # 68

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd. Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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

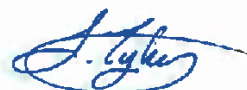
QUANTITY:

20 cu. yds.

FACILITY CONTACT:

Date: 10-18-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 10-18-18

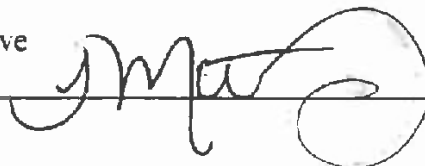
Signature Driver: Denny H. Herdman

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: 10/18/18

Representative
Signature





Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 72
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: JR
Truck #: M82
Card #
Job Ref #

Ticket #: 700-942681
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 69

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: *10-18-18*

Signature of Contact:
(Agent for ConocoPhillips)

J. Lytle

NAME OF TRANSPORTER (Driver):

Date: *10/18/18*

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: *10/18/18*

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 69
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-942614
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5 - RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 cu.yds.

FACILITY CONTACT:

Date:

10-18-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

10-18-18

Signature Driver:

[Signature]

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

10/18/18

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 70
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: URIEL
Truck #: M81
Card #
Job Ref #

Ticket #: 700-942622
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 71

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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:

12 cu. yds.

FACILITY CONTACT:

Date: 10-18-18

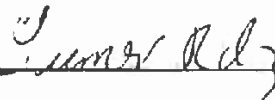
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

10/18/18

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 71
Manif. Date: 10/18/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: MR2
Card #
Job Ref #

Ticket #: 700-942638
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 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 # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: *10-18-18*

Signature of Contact:
(Agent for ConocoPhillips)

Joe Tyler


NAME OF TRANSPORTER (Driver):

Date: *10-18-18*

Signature Driver: *Henry H. Erickson*

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date: *10-18-18*

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: 68
Manif. Date: 10/18/2018
Hauler: MCNABB
Driver: JR
Truck #: M82
Card #
Job Ref #

Ticket #: 700-942586
Bid #: O6UJ9A0009Z1
Date: 10/18/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 73

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: 10-22-18

Signature of Contact:
(Agent for ConocoPhillips)

~~____~~ ~~____~~ ~~____~~



NAME OF TRANSPORTER (Driver):

Date: 10-22-18

Signature Driver:

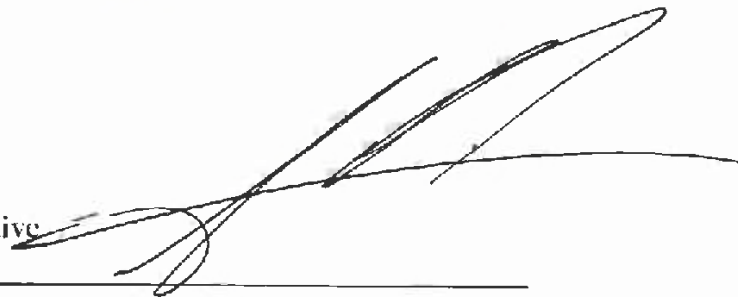


DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 73
Manif. Date: 10/22/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-943724
Bid #: O6UJ9A0009Z1
Date: 10/22/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 74

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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. cu yds

FACILITY CONTACT:

Date:

10. 22.18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

10 22 18

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: 74
Manif. Date: 10/22/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-943777
Bid #: O6UJ9A0009Z1
Date: 10/22/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 75

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 ac yds

FACILITY CONTACT:

Date: *10-22-18*

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date: *10/22/18*

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

10/22/18

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TAYLAR
AFE #:
PO #:
Manifest #: 75
Manif. Date: 10/22/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-943866
Bid #: O6UJ9A0009Z1
Date: 10/22/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 # 76

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd. Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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

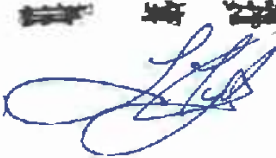
QUANTITY:

20 cu. yds.

FACILITY CONTACT:

Date: *10.22.18*

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

10/22/18

Signature Driver:

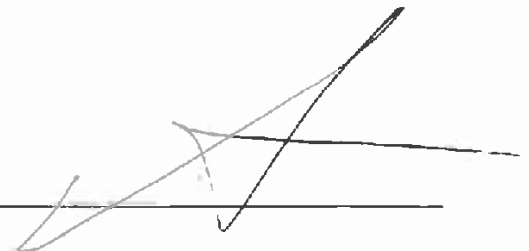


DISPOSAL SITE:

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 #: 76
Manif. Date: 10/22/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-943932
Bid #: O6UJ9A0009Z1
Date: 10/22/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

77

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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: 10-23-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 10-23-18

Signature Driver:

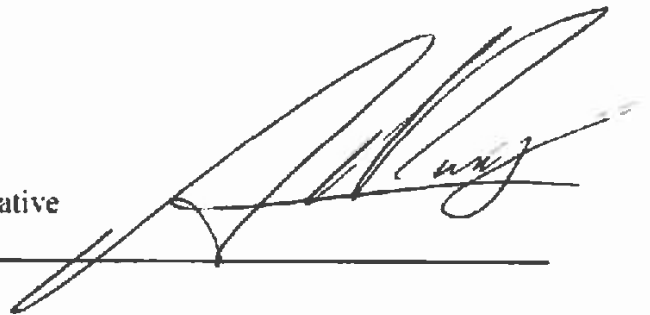


DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 77
Manif. Date: 10/23/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M33-31
Card #
Job Ref #

Ticket #: 700-944145
Bid #: O6UJ9A0009Z1
Date: 10/23/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 MANIFEST

MANIFEST # 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

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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

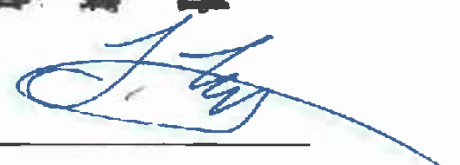
QUANTITY:



FACILITY CONTACT:

Date: 10-23-18

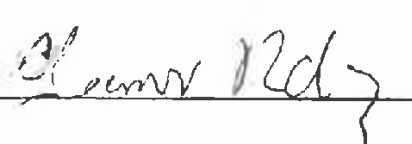
Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 78
Manif. Date: 10/23/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #:
Job Ref #:

Ticket #: 700-944156
Bid #: O6UJ9A0009Z1
Date: 10/23/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 MANIFEST

MANIFEST #

179

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn. Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date:

10-23-18

Signature of Contact:
(Agent for ConocoPhillips)



NAME OF TRANSPORTER (Driver):

Date: 10-23-18

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 GAOTES
AFE #:
PO #:
Manifest #: NA
Manif. Date: 10/23/2018
Hauler: MCNABB PARTNERS
Driver: CLEO
Truck #: M31
Card #
Job Ref #

Ticket #: 700-944205
Bid #: O6UJ9A0009Z1
Date: 10/23/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 #

80

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

600 N. Dairy Ashford Rd, Houston, TX 77079

Attn: Neal Goates

N.Goates@conocophillips.com

832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project

GL Account No.: 702000

WBS Element: WAO.000.7061.00.RM

PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.

EVGSAU Satellite 5

Section 26 - Township 17 South - Range 35 East,

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

SO Impacted Soil

QUANTITY

18 yds

FACILITY CONTACT:

Date:

11-23-18

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:

James R. [Signature]

DISPOSAL SITE:

R360

P.O. Box 388

Hobbs, New Mexico 88241

Date:

10/23/18

Representative
Signature

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GOATES
AFE #:
PO #:
Manifest #: NA
Manif. Date: 10/23/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-944208
Bid #: O6UJ9A0009Z1
Date: 10/23/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

	Cell	pH	G	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 # 81

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 East,
Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners
4008 N. Grimes
Hohbs, New Mexico 88240
575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

QUANTITY:

18 cu.yds.

FACILITY CONTACT:

Date: *10-23-18*

Signature of Contact:
(Agent for ConocoPhillips)

[Signature]

NAME OF TRANSPORTER (Driver):

Date: *10-23-18*

Signature Driver:

[Signature]

DISPOSAL SITE:

R360
P.O. Box 388
Hohbs, New Mexico 88241

Date:

Representative
Signature

[Signature]



Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 81
Manif. Date: 10/23/2018
Hauler: MCNABB PARTNERS
Driver: CELO
Truck #: M31
Card #
Job Ref #

Ticket #: 700-944321
Bid #: O6UJ9A0009Z1
Date: 10/23/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 MANIFEST

MANIFEST # 82

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company
600 N. Dairy Ashford Rd, Houston, TX 77079
Attn. Neal Goates
N.Goates@conocophillips.com
832.486.2425

ACCOUNTING INFORMATION

EVGSAU Satellite 5- RMR Project
GL Account No.: 702000
WBS Element: WAO.000.7061.00.RM
PO No.: 4521305568

LOCATION OF MATERIAL:

ConocoPhillips Co.
EVGSAU Satellite 5
Section 26 - Township 17 South - Range 35 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 cu. yds.

FACILITY CONTACT:

Date: 10-23-18

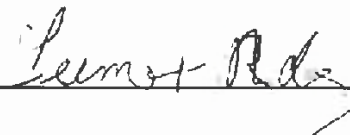
Signature of Contact:
(Agent for ConocoPhillips)

~~____~~ ~~____~~ ~~____~~


NAME OF TRANSPORTER (Driver):

Date:

Signature Driver:



DISPOSAL SITE:

R360
P.O. Box 388
Hobbs, New Mexico 88241

Date:

Representative
Signature





Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: NEAL GAOTES
AFE #:
PO #:
Manifest #: 82
Manif. Date: 10/23/2018
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-944323
Bid #: O6UJ9A0009Z1
Date: 10/23/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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 MANIFEST

MANIFEST # 100 ~~100~~

SHIPPING FACILITY NAME & ADDRESS:

Company: Conoco Phillips Co. RMR Project
Address: 600 N. Ashford Rd, Houston, Tx
Project Lead:

LOCATION OF MATERIAL:

Location: Conoco Phillips Co
Company: Satellite 5 Evans

S 26 T 175 R 35E

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners
4008 N. Grimes #270
Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil Quantity: 20 cu. yds.

FACILITY CONTACT:

Date: 12.13.18

Contact Signature:
(Agent for ConocoPhillips)

Joe Tyler
(Tetra Tech) [Signature]

NAME OF TRANSPORTER: (Driver)

Date: 12 13 18

Driver Signature:

[Signature]

DISPOSAL SITE:

Name of Disposal:

Address:

Date:

12/13/18

Representative
Signature:

[Signature]



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: NA
Manif. Date: 12/13/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-962066
Bid #: O6UJ9A0009Z1
Date: 12/13/2018
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
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.	22	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

TRANSPORTER'S MANIFEST

MANIFEST # 101

SHIPPING FACILITY NAME & ADDRESS:

Company: Conoco Phillips Co KMR Project
Address: 600 N Ashford Rd Houston tx
Project Lead:

LOCATION OF MATERIAL:

Location: Conoco Phillips
Company: Ergon Sat 5

S 26 T 175 R 35E

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: 12-13-18 Contact Signature: [Signature]
(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date: 12 13 18 Driver Signature: [Signature]

DISPOSAL SITE:

Name of Disposal:
Address:
Date: Representative
Signature:



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JOE TYLER
AFE #:
PO #:
Manifest #: NA
Manif. Date: 12/13/2018
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M79
Card #
Job Ref #

Ticket #: 700-962066
Bid #: O6UJ9A0009Z1
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Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: EAST VACUUM GSA UNIT SA
Well #: 5
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

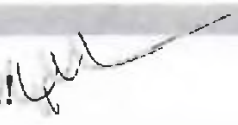
Facility: CRI

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:	22	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: _____