SITE INFORMATION

Report Type: Work Plan 1RP-3775

General Site Information:						
Site:	**EVGSAU Satellite #5**					
Company:	**ConocoPhillips Company**					
Section, Township and Range	**Unit F**	**Sec. 26**	**T 17S**	**R 35E**		
Lease Number:	**API No. 30-025-26395**					
County:	**Lea County**					
GPS:	**32.8062592º N**			**103.431839º W**		
Surface Owner:	State					
Mineral Owner:						
Directions:	From the intersection of Buckeye Road and Hwy 238 , go east on Buckeye Rd for 4 miles. Turn left and head north for 0.5 miles. Turn right and head east for 0.1 miles, coming to a 'Y' intersection, turn left and continue north 200 ft to the site.					

Release Data:	
Date Released:	8/3/2015
Type Release:	Produced water and Oil
Source of Contamination:	Transfer Pump Leak
Fluid Released:	31 bbls water / 1 bbl oil
Fluids Recovered:	29 bbls water / 1 bbl oil / 10 bbls rainwater

Official Communication:			
Name:	Neal Goates		Greg Pope, P.G.
Company:	ConocoPhillips		Tetra Tech
Address:	16290 Katy Fwy		4000 N. Big Spring
			Ste 401
City:	Houston, Texas		Midland, Texas
Phone number:	(832) 486-2425		(432) 687-8110
Fax:	(832) 465-4123		
Email:	n.goates@conocophillips.com		Greg.Pope@tetratech.com

Ranking Criteria		
Depth to Groundwater:	***Ranking Score***	***Site Data***
<50 ft	20	
50-99 ft	***10***	*50-60 feet*
>100 ft.	0	
WellHead Protection:	***Ranking Score***	***Site Data***
Water Source <1,000 ft., Private <200 ft.	*20*	
Water Source >1,000 ft., Private >200 ft.	***0***	*0*
Surface Body of Water:	***Ranking Score***	***Site Data***
<200 ft.	*20*	
200 ft - 1,000 ft.	10	
>1,000 ft.	***0***	*0*
Total Ranking Score:	***10***	

Acceptable Soil RRAL (mg/kg)		
Benzene	***Total BTEX***	***TPH***
10	50	1,000

TETRA TECH

March 12, 2018

Ms. Olivia Yu
Environmental Engineer Specialist
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Work Plan for the ConocoPhillips Company, EVGSAU Satellite #5, Unit F, Section 26, Township 17 South, Range 35 East, Lea County, New Mexico. 1RP-3775

Ms. Yu:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (Conoco) to assess a release that occurred at the EVGSAU Satellite #5, Unit F, Section 26, Township 17 South, Range 35 East, Lea County, New Mexico (site). The spill site coordinates are N 32.8062592º, W 103.431839º. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, 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 transferred pump. Approximately twenty-nine (29) barrels of produced water, one (1) barrel of crude oil, and ten (10) barrels of rainwater were recovered. Immediate action was taken to isolate the transfer pump until repairs had been performed. The release occurred on the pad and measured approximately 180' x 20'. The initial C-141 Form is included in Appendix A.

Groundwater

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 surface. During Tetra Tech's soil investigation, the soil boring, SB-6, was completed to a depth of 45 feet below surface with no presence of moisture noted at the total depth. According to the Chevron Texaco Groundwater Trend map, the average depth to groundwater in this area is less than 100' below surface. 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 85 feet

Tetra Tech
4000 North Big Spring, Suite 401, Midland, TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

below surface in Section 27 to the west and 80 feet below surface in Section 25 to the east. Additionally, Tetra Tech monitors a Conoco facility located approximately 0.9 miles to the southwest located in Section 34. Groundwater gauging data collected from the facility in April 2017, has an average depth of 65 feet below surface. The groundwater data is shown in Appendix B.

Regulatory

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, dated August 13, 1993. 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 RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 1,000 mg/kg.

Previous Soil Assessment and Analytical Results

On June 30, 2016, three verticals (trenches) were installed in the spill area by Conoco. All samples were field screened for chlorides and organic vapors with a PID and selected samples were analyzed for TPH analysis by EPA method 8015 modified and chloride by method 4500 Cl-B. The results of the sampling are summarized in Table 1. The trench locations are shown on Figure 3.

Referring to Table 1, the samples selected for TPH concentrations were below the laboratory reporting limits. However, elevated chloride concentrations were detected in the subsurface soils from the field screen and laboratory analyses. Field screened chloride concentrations for the trenches (VERT 1, VERT 2, and VERT 3) ranged from 9,809 mg/kg to 240 mg/kg and generally decreased with depth. A chloride spike was encountered in the interval range from 2 to 3 feet below ground surface in VERT 3 of 1,063 mg/kg. However, the samples below showed field screening and laboratory sample concentrations decreasing with depth and a bottom borehole concentration of 416 mg/kg.

On March 14, 2017, Conoco and NMOCD discussed the site results. It was determined that additional samples were required for proper delineation of the site.

Soil Assessment and Analytical Results

On August 8, 2017, Tetra Tech personnel were onsite to further evaluate and sample the release area per directive of NMOCD. A total of six (6) boreholes were installed in the spill area to assess and define the extents. The NMOCD requested a sample collection from the caliche pad near the facility. However, a sample could not be obtained from the caliche pad due to inaccessibility. Soil samples were collected and field screened with a PID and for chlorides. Selected samples were analyzed for TPH analysis

by EPA method 8015 modified, BTEX by EPA Method 8260B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The borehole locations are shown on Figure 3.

The samples selected for BTEX and TPH concentrations were below the laboratory reporting limits or below the RRAL's. However, elevated chloride concentrations were detected in the subsurface soils greater than 600 mg/kg in the following areas: SB-2 (0-1') 1,970 mg/kg, SB-3 (0-1') 698 mg/kg, SB-4 (0-1') 652 mg/kg, SB-6 (2-3') 1,210 mg/kg, SB-6 (6-7') 1,260 mg/kg, SB-6 (9-10') 1,070 mg/kg, SB-6 (14-15') 1,230 mg/kg, and SB-6 (24-25') 1,470 mg/kg.

Work Plan

Based on the results, ConocoPhillips proposes to remove the impacted material as highlighted (green) in Table 1 and 2 and shown on Figure 4. The data in Table 1 was evaluated for excavation depths, but due to the sampling date and time lapse, the sample points were incorporated with adjacent sample points (SB-1 through 6) for evaluation. The analytical data at boreholes (SB-2, VERT 1, SB-3, and SB-4) reported chloride impacted soils at shallow depths. The area of SB-2 and VERT 1 will be excavated to a depth of 2 feet, and the areas of SB-3 and SB-4 will be excavated to 1 foot below surface grade. Excavation in the area of borehole (SB-6 and VERT 3) will be performed to a depth of 4 feet below surface and have a 40 mil liner in the excavation bottom to cap the remaining chlorides in the subsurface soils. The excavation will then be backfilled with clean material to surface grade. All of the excavated material will be transported offsite for proper disposal.

The proposed excavation depths may not be reached due to wall cave-ins and safety concerns for onsite personnel. In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safely concerns for onsite personnel. As such, ConocoPhillips will excavate the impacted soils to the maximum extent practicable.

Revegetation Plan

The backfilled areas will be seeded in June 2018 in order to coincide with the rainy season in Southeastern New Mexico to aid in revegetation. Based on the soils at the site, the New Mexico State Land Office (NMSLO) Shallow (SH) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

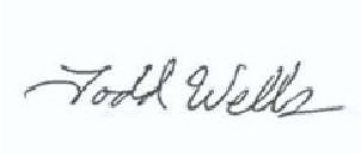
Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will

be reseeded as appropriate. The NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix D.

Conclusion

Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

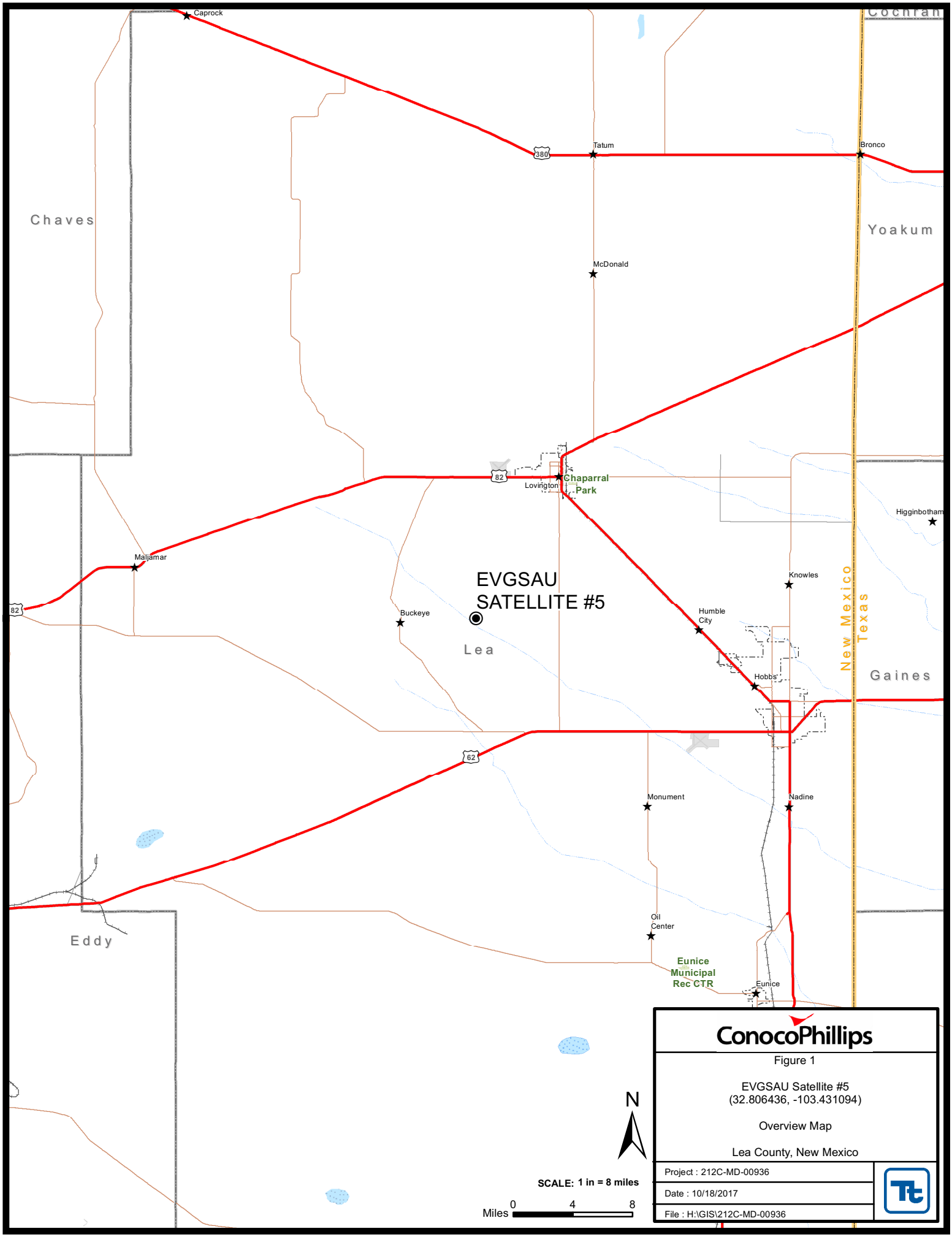


Todd Wells,
Project Manager

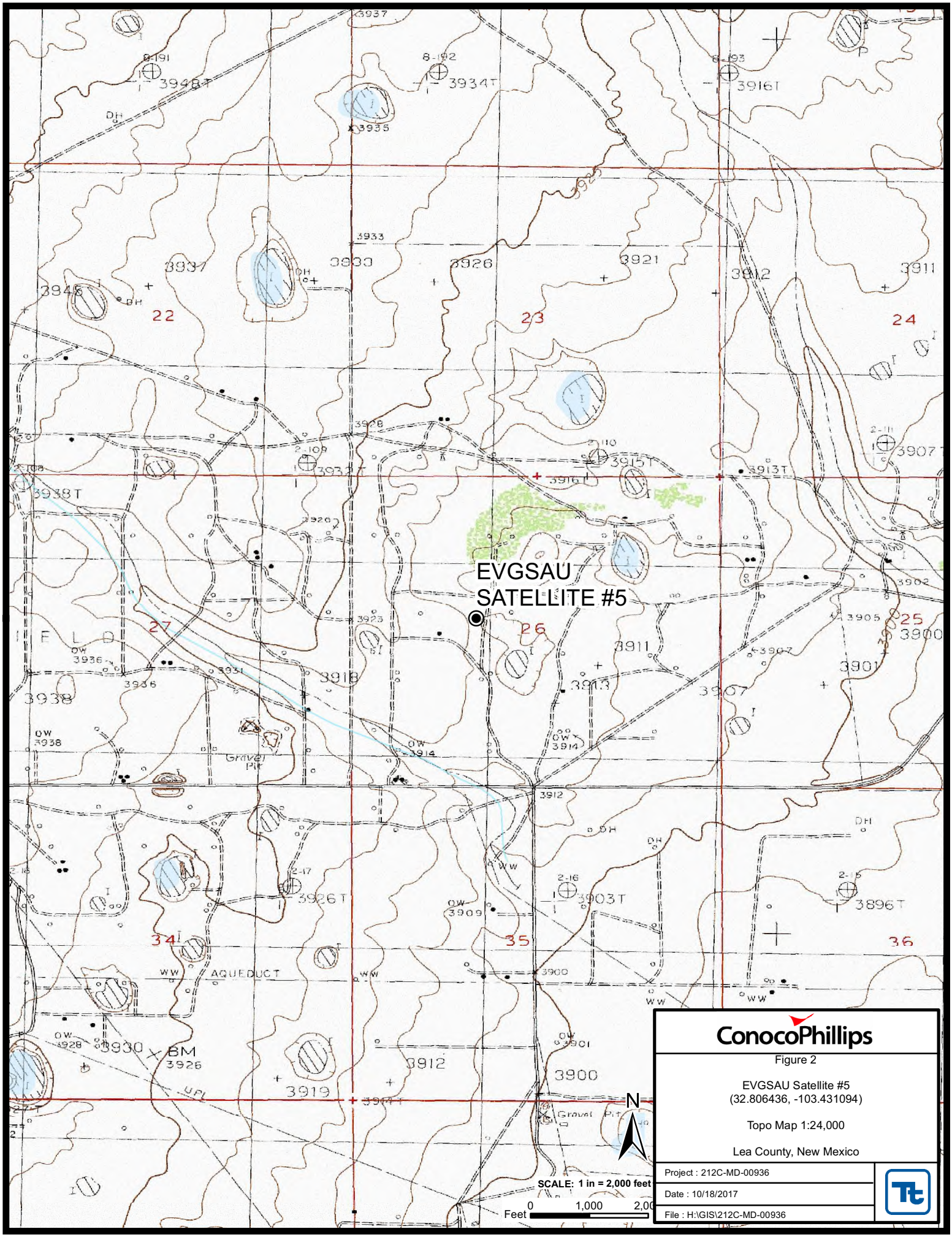
Greg W. Pope, P.G.
Senior Project Manager

cc: Neal Goates – ConocoPhillips

Figures



Mapped By: Isabel Marmolejo



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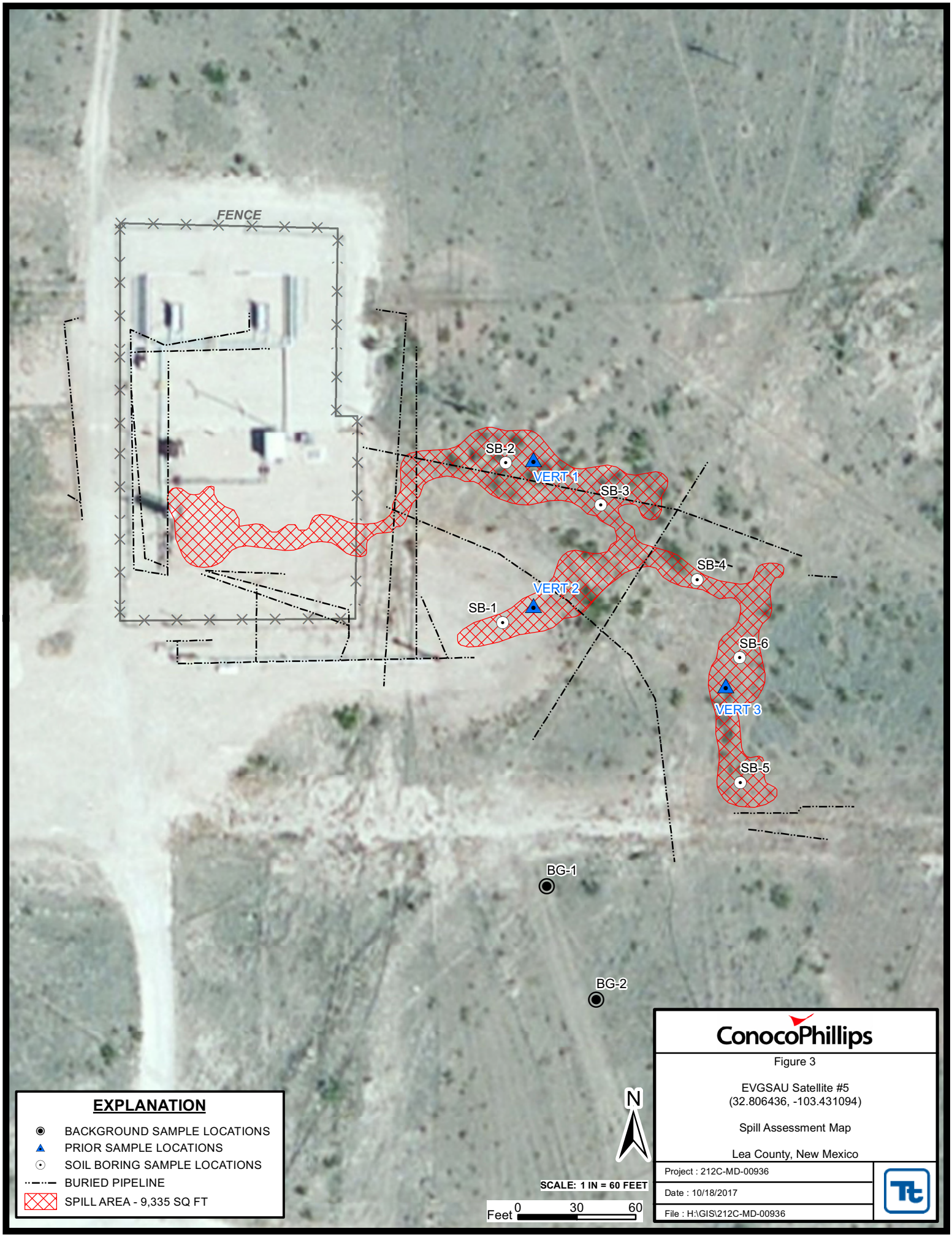


EXPLANATION

- BACKGROUND SAMPLE LOCATIONS
- PRIOR SAMPLE LOCATIONS
- SOIL BORING SAMPLE LOCATIONS
- BURIED PIPELINE
- SPILL AREA - 9,335 SQ FT

ConocoPhillips

Figure 3

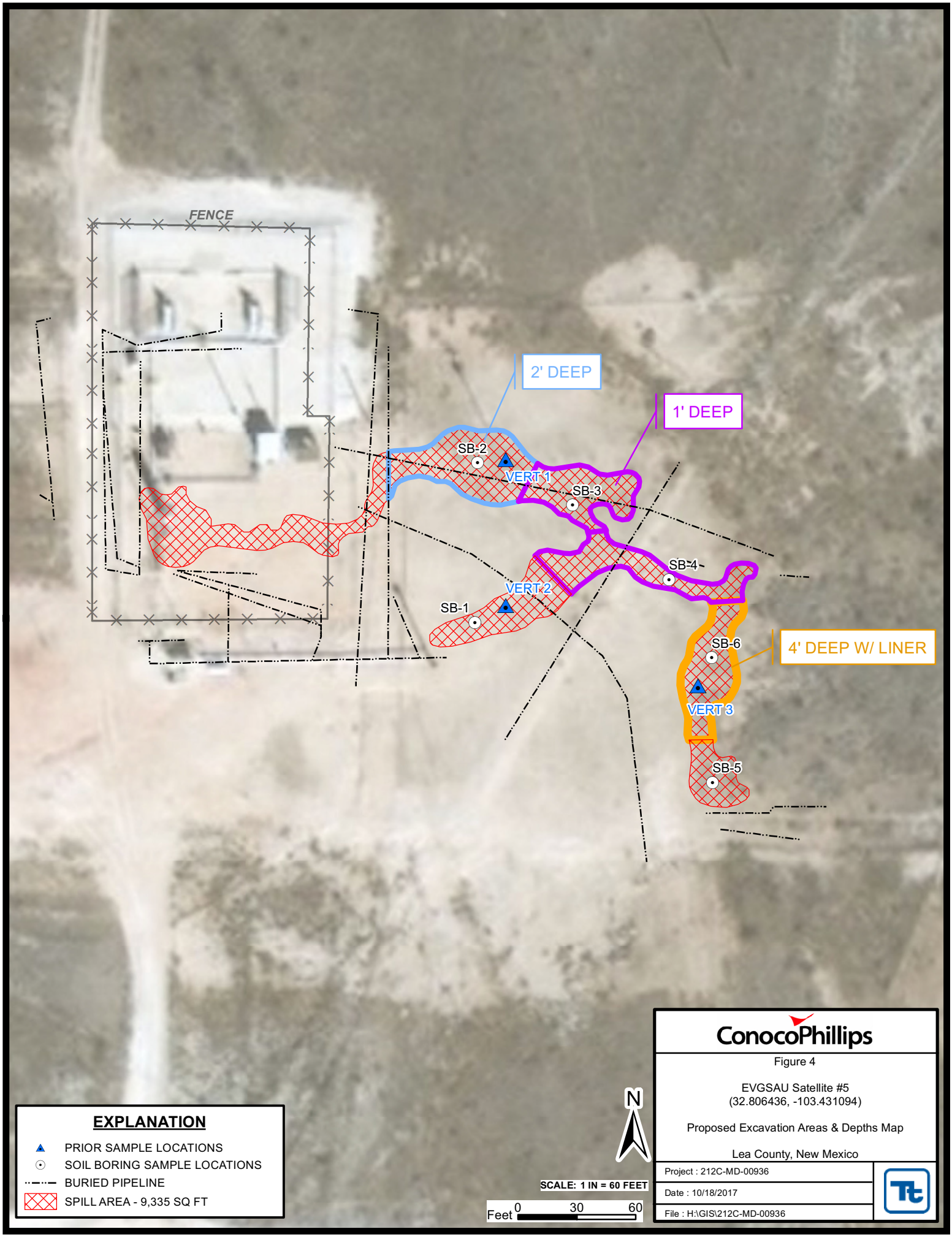
EVGSAU Satellite #5
(32.806436, -103.431094)

Spill Assessment Map

Lea County, New Mexico

Project : 212C-MD-00936	
Date : 10/18/2017	
File : H:\GIS\212C-MD-00936	

Mapped By: Isabel Marmolejo



ConocoPhillips

Figure 4

EVGSAU Satellite #5
(32.806436, -103.431094)

Proposed Excavation Areas & Depths Map

Lea County, New Mexico

Project : 212C-MD-00936	
Date : 10/18/2017	
File : H:\GIS\212C-MD-00936	

Mapped By: Isabel Marmolejo

Tables

Table 1
ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	PID	TPH				BTEX					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)	Field Chlorides (PPM)	Chlorides (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
		3	11.1	-	-	-	-	-	-	-	-	-	352	-
	"	3.5	10.3	<10.0	<10.0	-	0.0	-	-	-	-	-	-	385

Table 1
ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	PID	TPH				BTEX					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)	Field Chlorides (PPM)	Chlorides (mg/kg)
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

(-) Not Analyzed
ND Not Detected
Proposed Excavation Depths
Liner Installation

Table 2
ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		PID	TPH				BTEX					Chlorides
			In-Situ	Removed	(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)	Chlorides (mg/kg)
SB-1 - Cuttings	08/08/17	0-1	X		63.6	<13.4	22.1	38.5	60.6	<6.7	<6.7	<6.7	<6.7	-	275
Cuttings	"	2-3	X		52.2	-	-	-	-	-	-	-	-	-	187
Cuttings	"	4-5	X		51.3	ND	ND	ND	-	ND	ND	ND	ND	-	350
Cuttings	"	6-7	X		50.1	-	-	-	-	-	-	-	-	-	<97.5
Cuttings	"	9-10	X		51.2	-	-	-	-	-	-	-	-	-	182
Cuttings	"	14-15	X		50.9	-	-	-	-	ND	ND	ND	ND	-	353
SB-2 - Cuttings	08/08/17	0-1	X		51.3	<13.9	37.6	44.5	82.1	<6.9	<6.9	<6.9	<6.9	-	1970
Cuttings	"	2-3	X		50.9	-	-	-	-	-	-	-	-	-	306
Cuttings	"	4-5	X		50.4	<13.2	<13.2	<13.2	-	<6.8	<6.8	<6.8	<6.8	-	186
Cuttings	"	6-7	X		50.8	-	-	-	-	-	-	-	-	-	236
Cuttings	"	9-10	X		50.7	-	-	-	-	-	-	-	-	-	218
Cuttings	"	14-15	X		40.7	-	-	-	-	-	-	-	-	-	409
Cuttings	"	19-20	X		50.8	<15.4	<30.1	<30.1	-	<7.8	<7.8	<7.8	<7.8	-	240
Cuttings	"	24-25	X		11.4	-	-	-	-	-	-	-	-	-	<97.8
Cuttings	"	29-30	X		10.9	<15.7	<30.1	<30.1	-	<8.1	<8.1	<8.1	<8.1	-	<159
SB-3 - Cuttings	08/08/17	0-1	X		50	<11.5	174	307	481	<5.9	<5.9	<5.9	<5.9	-	698
Cuttings	"	2-3	X		50.3	-	-	-	-	-	-	-	-	-	416
Cuttings	"	4-5	X		64.2	-	-	-	-	-	-	-	-	-	439
Cuttings	"	6-7	X		111.7	<13.0	<26.3	<26.3	-	<6.7	<6.7	<6.7	<6.7	-	184
Cuttings	"	9-10	X		69.7	-	-	-	-	-	-	-	-	-	157
Cuttings	"	14-15	X		52.4	<12.6	17.0	22.1	39	<6.5	<6.5	<6.5	<6.5	-	26.9
SB-4 - Cuttings	08/08/17	0-1	X		43.1	<11.4	33.0	63.8	96.8	<5.7	<5.7	<5.7	<5.7	-	652
Cuttings	"	2-3	X		14	-	-	-	-	-	-	-	-	-	97.8
Cuttings	"	4-5	X		52.6	<11.3	<11.2	<11.2	-	<5.6	<5.6	<5.6	<5.6	-	288
Cuttings	"	6-7	X		55.4	-	-	-	-	-	-	-	-	-	196
Cuttings	"	9-10	X		51.2	<10.7	<10.6	<10.6	-	<5.4	<5.4	<5.4	<5.4	-	314
Cuttings	"	14-15	X		17.1	-	-	-	-	-	-	-	-	-	251
Cuttings	"	19-20	X		21.8	<11.5	<11.4	<11.4	-	<5.9	<5.9	<5.9	<5.9	-	126

Table 2
ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		PID	TPH				BTEX					Chlorides
			In-Situ	Removed	(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)	Chlorides (mg/kg)
SB-5 - Spoon	08/09/17	0-1	X		51.0	<11.3	212	278	490	<5.7	<5.7	<5.7	<5.7	-	<113
Cuttings	"	2-3	X		51.8	-	-	-	-	-	-	-	-	-	<98
Cuttings	"	4-5	X		53.6	<10	30.7	75.4	106	<5.2	<5.2	<5.2	<5.2	-	107
Cuttings	"	6-7	X		53.2	-	-	-	-	-	-	-	-	-	117
Cuttings	"	9-10	X		53.3	<10.4	<10.5	13.4	13.4	<5.2	<5.2	<5.2	<5.2	-	224
SB-6 - Spoon	08/09/17	0-1	X		48.7	<10.5	62.0	117.0	179.0	<5.3	<5.3	<5.3	<5.3	-	515
Spoon		2-3	X		46.0	-	-	-	-	-	-	-	-	-	1,210
Cuttings	"	4-5	X		53.8	<10.5	22.4	45.8	68.2	<5.2	<5.2	<5.2	<5.2	-	232
Spoon	"	6-7	X		32.3	-	-	-	-	-	-	-	-	-	1,260
Cuttings	"	9-10	X		51.0	-	-	-	-	-	-	-	-	-	1,070
Cuttings	"	14-15	X		17.6	<11.1	<10.8	14.0	14.0	<5.4	<5.4	<5.4	<5.4	-	1,230
Cuttings	"	19-20	X		9.8	-	-	-	-	-	-	-	-	-	785
Cuttings	"	24-25	X		5.0	<11.2	<11.1	<11.1	-	<5.7	<5.7	<5.7	<5.7	-	1,470
Spoon	"	29-30	X		4.6	-	-	-	-	-	-	-	-	-	542
Spoon	"	34-35	X		4.8	<10.4	<10.4	<10.4	-	<5.3	<5.3	<5.3	<5.3	-	281
Spoon	"	39-40	X		4.3	-	-	-	-	-	-	-	-	-	177
Spoon	"	44-45	X		4.0	-	-	-	-	-	-	-	-	-	<96

(-) Not Analyzed
ND Not Detected
Proposed Excavation Depths
Liner Installation

Photos

ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

View Northwest- Area of SB-1

View West– Area of SB-2

ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

View East– Area of SB-3

View East– Area of SB-4

ConocoPhillips
EVGSAU Satellite #5
Lea County, New Mexico

View East– Area of SB-5

View Southeast– Area of SB-6

Appendix A

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

LOCATION OF RELEASE

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

Latitude 32.8062592 **Longitude** 103.431839 NAD83

NATURE OF RELEASE

Type of Release: **Leak**	Volume of Release: 31 bbl. produces water & 1bbl. 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 OCD District 1 at 7:22 am, Aug 04, 2015

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: *Jay Garcia*	OIL CONSERVATION DIVISION
Printed Name: Jay Garcia	Approved by Environmental Specialist:

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

* Attach Additional Sheets If Necessary

pJXK1521626889 nJXK1521626690

Appendix B

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 Artesia	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 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 Lovington	10	11	12
18 54	17	16	15	14	13
19	20 70	21 70	22 63 63	23 70 61	24 55
30 82	29	28	27	26 63	25 68
31 74	32 65	33	34	35 41	36 60

17 South 34 East

6 120 157	5	4 Maljamar	3 95	2 80	1 77
7 140	8 140	9	10 95	11 92	12 115
18 160	17 113	16 60	15 114 60	14 79	13 84
19 78	20 140	21 153	22 109	23	24
30	29	28	27	26	25 82
31	32	33	34	35	36

17 South 35 East

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

17 South 36 East

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

18 South 34 East

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

18 South 35 East

6 89 Buckeye	5 69	4 58	3 62	2 55 51	1
7 85	8	9 72	10 49	11 59 48	12
18 90	17 90 124	16 75	15	14 90	13 135
19 74 70	20 85 50	21	22 70	23	24
30	29 95	28	27 68	26 60	25
31	32 58	33 80	34	35 58	36

18 South 36 East

6 45	5 35	4 65	3	2 60	1 50
7 65	8	9 85	10	11 38	12 40
18 25	17	16	15 53	14 55	13
19	20 59	21 58	22 60	23 39	24 28
30	29 55	28 45	27 55	26 55	25 62
31	32	33	34 70	35	36

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 Code	Sub-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**

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.)

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

POD Number	POD Code	Sub-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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
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

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(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	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

Appendix C

Pace Analytical Services, LLC
400 West Bethany Drive - Suite 190
Allen, TX 75013
(972)727-1123

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

Pace Analytical Services, LLC
400 West Bethany Drive - Suite 190
Allen, TX 75013
(972)727-1123

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

Pace Analytical Services, LLC
400 West Bethany Drive - Suite 190
Allen, TX 75013
(972)727-1123

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

Pace Analytical Services, LLC
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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

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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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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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 8015B	JTK	2	PASI-K
		EPA 8260	CJW	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 300.0	OL	1	PASI-K
7572007027	**EVGSAU Sat 5 SB-4 (14-15')**	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
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
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
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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
400 West Bethany Drive - Suite 190
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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 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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REPORT OF LABORATORY ANALYSIS

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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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REPORT OF LABORATORY ANALYSIS

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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
Pace 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	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
400 West Bethany Drive - Suite 190
Allen, TX 75013
(972)727-1123

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	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 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

Pace Analytical®	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

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-C54 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 Pace Container used	Yes ☑ No ☐ NA ☐ Yes ☑ No ☐ NA ☐	9
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 Include date/time/ID/analyses Matrix: SOIL	Yes ☑ No ☐ NA ☐	13
All containers needing preservation have been checked	Yes ☐ No ☐ NA ☑	14a. Lot# of pH strip: Original pH: <☐ or >☐ 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 **Exception:** VOA, coliform, O&G	Yes ☐ No ☐ NA ☑ Yes ☐ No ☑	14c.
Are soil samples (volatiles) received in Bulk ☐ Terracore ☐ EnCore ☐	NA ☑	15.
Trip Blank present Trip Blank Custody Seals Intact Pace Trip Blank Lot# (if purchased):	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑	16.
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: Date: 8/15/17 Project Manager Review: mm

7572007

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	**Site Manager:** Ike Tavarez
Project Name: EVGSAU Satellite #5	
Project Location: (county, state) Lea Co NM	**Project #:** 212C-MD-00936
Invoice to:	
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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
001	EVGSAU Sat 5 SB-1 (0-1')	8/8/2017	13:00		X			X	1		X		X												X							
002	EVGSAU Sat 5 SB-1 (2'-3')	8/8/2017	13:00		X			X	1																X							
003	EVGSAU Sat 5 SB-1 (4'-5')	8/8/2017	13:00		X			X	1		X		X												X							
004	EVGSAU Sat 5 SB-1 (6'-7')	8/8/2017	13:00		X			X	1																X							
005	EVGSAU Sat 5 SB-1 (9'-10')	8/8/2017	13:00		X			X	1																X							
006	EVGSAU Sat 5 SB-1 (14-15')	8/8/2017	13:00		X			X	1		X		X												X							
007	EVGSAU Sat 5 SB-2 (0-1')	8/8/2017	14:00		X			X	1		X		X												X							
008	EVGSAU Sat 5 SB-2 (2'-3')	8/8/2017	14:00		X			X	1																X							
009	EVGSAU Sat 5 SB-2 (4'-5')	8/8/2017	14:00		X			X	1		X		X												X							
010	EVGSAU Sat 5 SB-2 (6'-7')	8/8/2017	14:00		X			X	1																X							

Relinquished by: Clint Merritt	Date: 8/14/17	Time: 17:00	Received by:	Date: 8/15/17	Time: 0850
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

4.2, 4.5

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 8979 1910

7420 8979 1909

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7572007

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	**Site Manager:** Ike Tavarez
Project Name: EVGSAU Satellite 5	
Project Location: (county, state) Lea Co NM	**Project #:** 212C-MD-00936
Invoice to:	
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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
011	EVGSAU Sat 5 SB-2 (9'-10')	8/8/2017	14:00		X			X	1															X				
012	EVGSAU Sat 5 SB-2 (14'-15')	8/8/2017	14:00		X			X	1															X				
013	EVGSAU Sat 5 SB-2 (19'-20')	8/8/2017	14:00		X			X	1		X		X											X				
014	EVGSAU Sat 5 SB-2 (24'-25')	8/8/2017	14:00		X			X	1															X				
015	EVGSAU Sat 5 SB-2 (29'-30')	8/8/2017	14:00		X			X	1		X		X											X				
016	EVGSAU Sat 5 SB-3 (0-1')	8/8/2017	15:00		X			X	1		X		X											X				
017	EVGSAU Sat 5 SB-3 (2'-3')	8/8/2017	15:00		X			X	1															X				
018	EVGSAU Sat 5 SB-3 (4'-5')	8/8/2017	15:00		X			X	1															X				
019	EVGSAU Sat 5 SB-3 (6'-7')	8/8/2017	15:00		X			X	1		X		X											X				
020	EVGSAU Sat 5 SB-3 (9'-10')	8/8/2017	15:00		X			X	1															X				

Relinquished by: Clint Merritt	Date: 8/14/17	Time: 17:00	Received by:	Date:	Time: 8/15/17 0850
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 4.2, 4.5

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 8979 1910

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	**Site Manager:** Ike Tavarez
Project Name: EVGSAU Satellite 5	
Project Location: (county, state) Lea Co NM	**Project #:** 212C-MD-00936
Invoice to:	
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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
021	EVGSAU Sat 5 SB-3 (14'-15')	8/8/2017	15:00		X			X	1		X		X											X				
022	EVGSAU Sat 5 SB-4 (0-1')	8/8/2017	16:00		X			X	1		X		X											X				
023	EVGSAU Sat 5 SB-4 (2'-3')	8/8/2017	16:00		X			X	1															X				
024	EVGSAU Sat 5 SB-4 (4'-5')	8/8/2017	16:00		X			X	1		X		X											X				
025	EVGSAU Sat 5 SB-4 (6'-7')	8/8/2017	16:00		X			X	1															X				
026	EVGSAU Sat 5 SB-4 (9'-10')	8/8/2017	16:00		X			X	1		X		X											X				
027	EVGSAU Sat 5 SB-4 (14'-15')	8/8/2017	16:00						1															X				
028	EVGSAU Sat 5 SB-4 (19'-20')	8/8/2017	16:00		X			X	1		X		X											X				
029	EVGSAU Sat 5 SB-5 (0-1')	8/9/2017	10:00		X			X	1		X		X											X				
030	EVGSAU Sat 5 SB-5 (2'-3')	8/9/2017	10:00		X			X	1															X				

Relinquished by: Clint Merritt	Date: 8/14/17	Time: 17:00	Received by:	Date: 8/15/17	Time: 0850
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 4.2, 4.5

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 8979 1910
7420 8979 1909

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Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	**Site Manager:** Ike Tavarez
Project Name: EVGSAU Satellite #5	
Project Location: (county, state) Lea Co NM	**Project #:** 212C-MD-00936
Invoice to:	
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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
031	EVGSAU Sat 5 SB-5 (4'-5')	8/9/2017	10:00		X				X			1		X		X													X							
032	EVGSAU Sat 5 SB-5 (6'-7')	8/9/2017	10:00		X				X			1																	X							
033	EVGSAU Sat 5 SB-5 (9'-10')	8/9/2017	10:00		X				X			1		X		X													X							
034	EVGSAU Sat 5 SB-6 (0'-1')	8/9/2017	11:35		X				X			1		X		X													X							
035	EVGSAU Sat 5 SB-6 (2'-3')	8/9/2017	11:35																										X							
036	EVGSAU Sat 5 SB-6 (4'-5')	8/9/2017	11:35											X		X													X							
037	EVGSAU Sat 5 SB-6 (6'-7')	8/9/2017	11:35																										X							
038	EVGSAU Sat 5 SB-6 (9'-10')	8/9/2017	11:35																										X							
039	EVGSAU Sat 5 SB-6 (14'-15')	8/9/2017	11:35											X		X													X							
040	EVGSAU Sat 5 SB-6 (19'-20')	8/9/2017	11:35																										X							

Relinquished by: Clint Merritt	Date: 8/14/17	Time: 17:00	Received by:	Date: 8/15/17	Time: 0850
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

4.2, 4.5

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 8979 1910

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ORIGINAL COPY

7572007

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips	**Site Manager:** Ike Tavarez
Project Name: EVGSAU Satellite #5	
Project Location: (county, state) Lea Co NM	**Project #:** 212C-MD-00936
Invoice to:	
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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
041	EVGSAU Sat 5 SB-6 (24'-25')	8/9/2017	11:35		X			X	1		X		X											X								
042	EVGSAU Sat 5 SB-6 (29'-30')	8/9/2017	11:35		X			X	1															X								
043	EVGSAU Sat 5 SB-6 (24'-35')	8/9/2017	11:35		X			X	1		X		X											X								
044	EVGSAU Sat 5 SB-6 (39'-40')	8/9/2017	11:35		X			X	1															X								
045	EVGSAU Sat 5 SB-6 (44'-45')	8/9/2017	11:35		X			X	1															X								

Relinquished by: Clint Merritt	Date: 8/14/17	Time: 17:00	Received by:	Date: 8/15/17	Time: 0850
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 4.2, 4.5

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 8979 1910
7420 8979 1909

ORIGINAL COPY

Pace Analytical
www.pacelabs.com

Sample Condition Upon Receipt

WO#: 60251057

60251057

Client Name: Pam Pollard

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: (CF 0.0) T-266 / (CF +0.3) T-239 **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

BB 8/16/17

Date and initials of person examining contents:

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: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☐Yes ☐No ☑N/A	
Cyanide water sample checks: ☑N/A Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐Yes ☐No	
Trip Blank present:	☐Yes ☑No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: TX	☑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: JWS Date: 8/16/17

Chain of Custody

40251057

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
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: Unpreserved	Requested Analysis: 8-1817	~~8015 GRO~~ mm	Chloride 300	8015 GRO	8015 DRO + ORO	BTEX 8240	Dry Weight	LAB USE ONLY
1	EVGSAU Sat 5 SB-1 (0-1')	PS	8/8/2017 13:00	7572007001	Solid	1	X	X	X	X	X	X	X	
2	EVGSAU Sat 5 SB-1 (2-3')	PS	8/8/2017 13:00	7572007002	Solid	1	X	X	X					
3	EVGSAU Sat 5 SB-1 (4-5')	PS	8/8/2017 13:00	7572007003	Solid	1	X	X	X	X	X	X	X	
4	EVGSAU Sat 5 SB-1 (6-7')	PS	8/8/2017 13:00	7572007004	Solid	1	X	X	X					
5	EVGSAU Sat 5 SB-1 (9-10')	PS	8/8/2017 13:00	7572007005	Solid	1	X	X	X					
6	EVGSAU Sat 5 SB-1 (14-15')	PS	8/8/2017 13:00	7572007006	Solid	1	X	X	X	X	X	X	X	
7	EVGSAU Sat 5 SB-2 (0-1')	PS	8/8/2017 14:00	7572007007	Solid	1	X	X	X	X	X	X	X	
8	EVGSAU Sat 5 SB-2 (2-3')	PS	8/8/2017 14:00	7572007008	Solid	1	X	X	X					
9	EVGSAU Sat 5 SB-2 (4-5')	PS	8/8/2017 14:00	7572007009	Solid	1	X	X	X	X	X	X	X	
10	EVGSAU Sat 5 SB-2 (6-7')	PS	8/8/2017 14:00	7572007010	Solid	1	X	X	X					
11	EVGSAU Sat 5 SB-2 (9-10')	PS	8/8/2017 14:00	7572007011	Solid	1	X	X	X					
12	EVGSAU Sat 5 SB-2 (14-15')	PS	8/8/2017 14:00	7572007012	Solid	1	X	X	X					
13	EVGSAU Sat 5 SB-2 (19-20')	PS	8/8/2017 14:00	7572007013	Solid	1	X	X	X	X	X	X	X	
14	EVGSAU Sat 5 SB-2 (24-25')	PS	8/8/2017 14:00	7572007014	Solid	1	X	X	X					
15	EVGSAU Sat 5 SB-2 (29-30')	PS	8/8/2017 14:00	7572007015	Solid	1	X	X	X	X	X	X	X	
16	EVGSAU Sat 5 SB-3 (0-1')	PS	8/8/2017 15:00	7572007016	Solid	1	X	X	X	X	X	X	X	
17	EVGSAU Sat 5 SB-3 (2-3')	PS	8/8/2017 15:00	7572007017	Solid	1	X	X	X					
18	EVGSAU Sat 5 SB-3 (4-5')	PS	8/8/2017 15:00	7572007018	Solid	1	X	X	X					
19	EVGSAU Sat 5 SB-3 (5-7')	PS	8/8/2017 15:00	7572007019	Solid	1	X	X	X	X	X	X	X	

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

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	Unpreserved		~~8015-GRO~~ MM8-1817	Chloride 300	8015 GRO	8015 DRO & ORO	BTEX 8260	Dry weight
20	EVGSAU Sat 5 SB-3 (9-10')	PS	8/8/2017 15:00	7572007020	Solid	1	X	X	X				
21	EVGSAU Sat 5 SB-3 (14-15')	PS	8/8/2017 15:00	7572007021	Solid	1	X	X	X	X	X	X	X
22	EVGSAU Sat 5 SB-4 (0-1')	PS	8/8/2017 16:00	7572007022	Solid	1	X	X	X	X	X	X	X
23	EVGSAU Sat 5 SB-4 (2-3')	PS	8/8/2017 16:00	7572007023	Solid	1	X	X	X				
24	EVGSAU Sat 5 SB-4 (4-5')	PS	8/8/2017 16:00	7572007024	Solid	1	X	X	X	X	X	X	X
25	EVGSAU Sat 5 SB-4 (6-7')	PS	8/8/2017 16:00	7572007025	Solid	1	X	X	X				
26	EVGSAU Sat 5 SB-4 (9-10')	PS	8/8/2017 16:00	7572007026	Solid	1	X	X	X	X	X	X	X
27	EVGSAU Sat 5 SB-4 (14-15')	PS	8/8/2017 16:00	7572007027	Solid	1	X	X	X				
28	EVGSAU Sat 5 SB-4 (19-20')	PS	8/8/2017 16:00	7572007028	Solid	1	X	X	X	X	X	X	X
29	EVGSAU Sat 5 SB-5 (0-1')	PS	8/9/2017 10:00	7572007029	Solid	1	X	X	X	X	X	X	X
30	EVGSAU Sat 5 SB-5 (2-3')	PS	8/9/2017 10:00	7572007030	Solid	1	X	X	X				
31	EVGSAU Sat 5 SB-5 (4-5')	PS	8/9/2017 10:00	7572007031	Solid	1	X	X	X	X	X	X	X
32	EVGSAU Sat 5 SB-5 (6-7')	PS	8/9/2017 10:00	7572007032	Solid	1	X	X	X				
33	EVGSAU Sat 5 SB-5 (9-10')	PS	8/9/2017 10:00	7572007033	Solid	1	X	X	X	X	X	X	X
34	EVGSAU Sat 5 SB-6 (0-1')	PS	8/9/2017 11:35	7572007034	Solid	1	X	X	X	X	X	X	X
35	EVGSAU Sat 5 SB-6 (2-3')	PS	8/9/2017 11:35	7572007035	Solid	1	X	X	X				
36	EVGSAU Sat 5 SB-6 (4-5')	PS	8/9/2017 11:35	7572007036	Solid	1	X	X	X	X	X	X	X
37	EVGSAU Sat 5 SB-6 (6-7')	PS	8/9/2017 11:35	7572007037	Solid	1	X	X	X				
38	EVGSAU Sat 5 SB-6 (9-10')	PS	8/9/2017 11:35	7572007038	Solid	1	X	X	X				
39	EVGSAU Sat 5 SB-6 (14-15')	PS	8/9/2017 11:35	7572007039	Solid	1	X	X	X	X	X	X	X

LAB USE ONLY

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
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	Unpreserved		~~8015 GRO~~ MM 8/18/17	Chloride 300	GRO 8015	8015 DRO4 0120	BTEX 8260	Dry Weight	LAB USE ONLY
40	EVGSAU Sat 5 SB-6 (19-20')	PS	8/9/2017 11:35	7572007040	Solid	1	X	X	X					
41	EVGSAU Sat 5 SB-6 (24-25')	PS	8/9/2017 11:35	7572007041	Solid	1	X	X	X	+	+	+	+	
42	EVGSAU Sat 5 SB-6 (29-30')	PS	8/9/2017 11:35	7572007042	Solid	1	X	X	X					
43	EVGSAU Sat 5 SB-6 (24-35')	PS	8/9/2017 11:35	7572007043	Solid	1	X	X	X	+	+	+	+	
44	EVGSAU Sat 5 SB-6 (39-40')	PS	8/9/2017 11:35	7572007044	Solid	1	X	X	X					
45	EVGSAU Sat 5 SB-6 (44-45')	PS	8/9/2017 11:35	7572007045	Solid	1	X	X	X					

Transfers	Released By	Date/Time	Received By	Date/Time
1	Mel McCay Pace	8/17/17 1700		
2				
3				

Comments:

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.

Appendix D

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Plains, playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear, concave
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 95 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: Very Shallow 12-17" PZ (R077DY049TX)
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 90 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 3.0
Available water storage in profile: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: Sandy Loam 12-17" PZ (R077DY047TX)
Hydric soil rating: No

Minor Components

Kenhill

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Clay Loam 12-17" PZ (R077DY038TX)
Hydric soil rating: No

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Sandy Loam 12-17" PZ (R077DY047TX)
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Plains, playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear
Ecological site: Very Shallow 12-17" PZ (R077DY049TX)
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 14, Sep 10, 2017

NMSLO Seed Mix — Shallow (SH)

SHALLOW (SH) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Sideoats grama	Vaughn, El Reno	4.0	F
Blue grama	Lovington, Hachita	3.0	D
Little bluestem	Pastura, Cimmaron	1.5	F
Green sprangletop	VNS, Southern	1.0	D
Plains bristlegrass	VNS, Southern	1.0	D
Forbs:			
Firewheel (*Gaillardia*)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acre	**13.0**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.