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APPROVED

Site Characterization and Work Plan

**Vanguard
State V Tank Battery
Lea County, New Mexico
Unit Letter "D", Section 5, Township 17 South, Range 37 East
Latitude 32.869134 North, Longitude 103.278675 West
NMOCD Reference #1RP-4640**

Prepared For:

Vanguard
4001 Penbrook, Suite 201
Odessa, Texas 79762

Prepared By:

Environmental Plus, Inc.
2100 Ave 'O'
Eunice, NM 88231

April 2017

A handwritten signature in black ink, appearing to read 'Daniel Dominguez', written over a horizontal line.

Daniel Dominguez
Project Manager



The following *Site Characterization and Work Plan* serves as a condensed update on field activities undertaken and proposed actions for the afore referenced Site.

Background:

The site is located in Unit Letter D (NW ¼ NW ¼), Section 5, Township 17 South, Range 37 East, approximately seven miles south-east of Lovington, in Lea County, New Mexico. The property is owned by the State of New Mexico.

The release site is located in the pasture off an active tank battery and flow line; latitude 32.869134 North, longitude 103.278675 West. Area Map, Site Location Map, and Sample/Site Map are included as Figure 1, Figure 2, and Figure 3, respectively. The Initial NMOCD Form C-141 indicates that this is a historical release site with several releases along a flow line to pasture. There are five visually stained areas totaling approximately 19,400 square feet. The Initial NMOCD Form C-141 is included as Attachment IV.

NMOCD Site Classification:

A search for water wells was completed utilizing the New Mexico Office of the State Engineer’s (NMOSE) website. There are fifteen wells located in the area surrounding the release site (reference *Table 1*). Also, no wells (domestic, agriculture or public) and no bodies of surface water exist within a 1,000-foot radius of the release site (reference *Figure 2*). The NMOSE database indicates average water depth is approximately 63 feet below ground surface (bgs) within a 1,000-meter radius (reference *Attachment II*).

Utilizing this information, the NMOCD guidelines indicate the State V Tank Battery release sites to have a ranking score of ten. Based on this score, the NMOCD Recommended Remedial Action Levels (RRALs) for this Site were determined as follows: Benzene – 10 mg/Kg, BTEX – 50 mg/Kg, TPH – 1,000 mg/Kg, and Chloride – 600 mg/Kg.

There are five visually stained areas totaling an area of approximately 19,400 square feet. One area to the south of the tank battery and one to the north, with three other areas along a flowline to the north of the tank battery. The area consists of approximately two - three feet of loamy topsoil atop a hard caliche layer.

Delineation Progress:

From March 1-10, 2017 EPI personnel mobilized on site to collect soil samples to determine the vertical extent of contamination. A total of forty-one soil samples were collected from eight sample locations; SP1 – SP8. Two soil samples from each sample location were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate TPH above NMOCD RRALs at SP4 and SP5 at surface level, and elevated Chlorides above NMOCD RRALs at SP2, SP6, SP7, and SP8 at surface level (reference *Figure 3* and *Table 2*).

Portions of select soil samples were field tested for organic vapors and chloride concentrations. Soil samples collected for field testing of organic vapors were placed in self-sealing polyethylene bags and allowed to equilibrate to ~70° F. Field testing of organic vapors utilized a Mini-Rae™ Photoionization Detector (PID) equipped with a 10.6 electron-volt (eV) calibrated for benzene

response. Chloride concentrations were determined via use of a LaMotte Chloride Kit (Titration Method).

Soil samples designated for laboratory analyses were collected into laboratory provided glass containers, labeled and inserted into self-sealing polyethylene bags, placed in a cooler, chilled and transported to an independent laboratory for quantification of contaminant concentrations under Chain-of-Custody protocol.

On March 9, 2017 EPI personnel were on site to collect soil samples to determine the horizontal extent of contamination. A total of forty samples were collected from twenty sample locations; four sample locations per release area and two samples per sample location. All forty samples were sent to Cardinal labs for testing. Laboratory analytical results indicate that the areas adjacent to the release areas, horizontally, are void of Benzene, BTEX, TPH, and Chloride concentrations more than NMOCD RRALs (reference *Figure 3* and *Table 2*).

Proposed Actions:

Based on field testing and laboratory analytical data, EPI proposes to excavate the release areas around SP1, SP2, SP4, and SP5 to approximately one foot bgs and backfill with clean topsoil. Due to elevated chlorides at varying depths, indicated by field testing, the areas around SP3, SP6, SP7, and SP8 will be excavated to approximately four feet bgs. The excavation will then be backfilled with approximately one foot of clean caliche, a 20-mil poly-ethylene liner installed, and backfilled with approximately three feet of clean topsoil.

Caliche and top soil will be free of deleterious material or rocks or large clumps. Backfilling will continue until each excavation is closed. Upon completion of backfill activities, each disturbed area will be contoured to blend with existing pasture area and protected against wind/water erosion. Each disturbed area will also be seeded and watered.

Revegetation Plan:

In an attempt to achieve native plant cover and diversity levels equal to or exceeding the natural potential levels in undisturbed soils adjacent to the release area, the disturbed pasture area will be seeded with BLM mixture #2 at a rate of 22 lbs per acre. Seed will be applied to the area utilizing a drill seeder in late spring 2017 when ground conditions are more conducive to vegetative growth. After drill seeding has been completed the area will be thoroughly watered. After a period of three months the area will be examined for vegetative growth and re-seeded if no growth has occurred.

Noxious Weed Management Plan:

In an effort to prevent the spread of noxious weeds such as African Rue, Siberian Elm, Jointed Goatgrass, Russian Olive, Camelthorn, Saltcedar, Starthistle varieties, Hoary Cress and Russian Knapweed, the area will be confirmed to be clear of any noxious weeds. If any are located they will be removed by hand and the area treated with an appropriate herbicide. Applied seed mix will contain no primary or secondary noxious weeds and will either be certified or registered seed. After a period of three months the area will be examined for noxious weed growth and re-treated if any growth has occurred.

Following completion of NMOCD and NMSLO approved Proposed Actions, EPI will provide a detailed *Final Closure Report* to Vanguard, NMOCD, and NMSLO personnel. Vanguard and EPI personnel would welcome an opportunity to briefly discuss the *Work Plan* at your earliest convenience. However, should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at ddominguezepi@gmail.com or Mr. Chuck Johnston at (432) 202-4771 or via e-mail at cjohnston@vnrlc.com. All official communication should be addressed to:

Mr. Chuck Johnston
Vanguard
4001 Penbrook, Suite 2001
Odessa, Texas 79762

Sincerely,

ENVIRONMENTAL PLUS, INC.

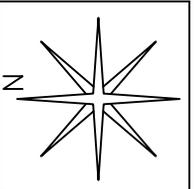
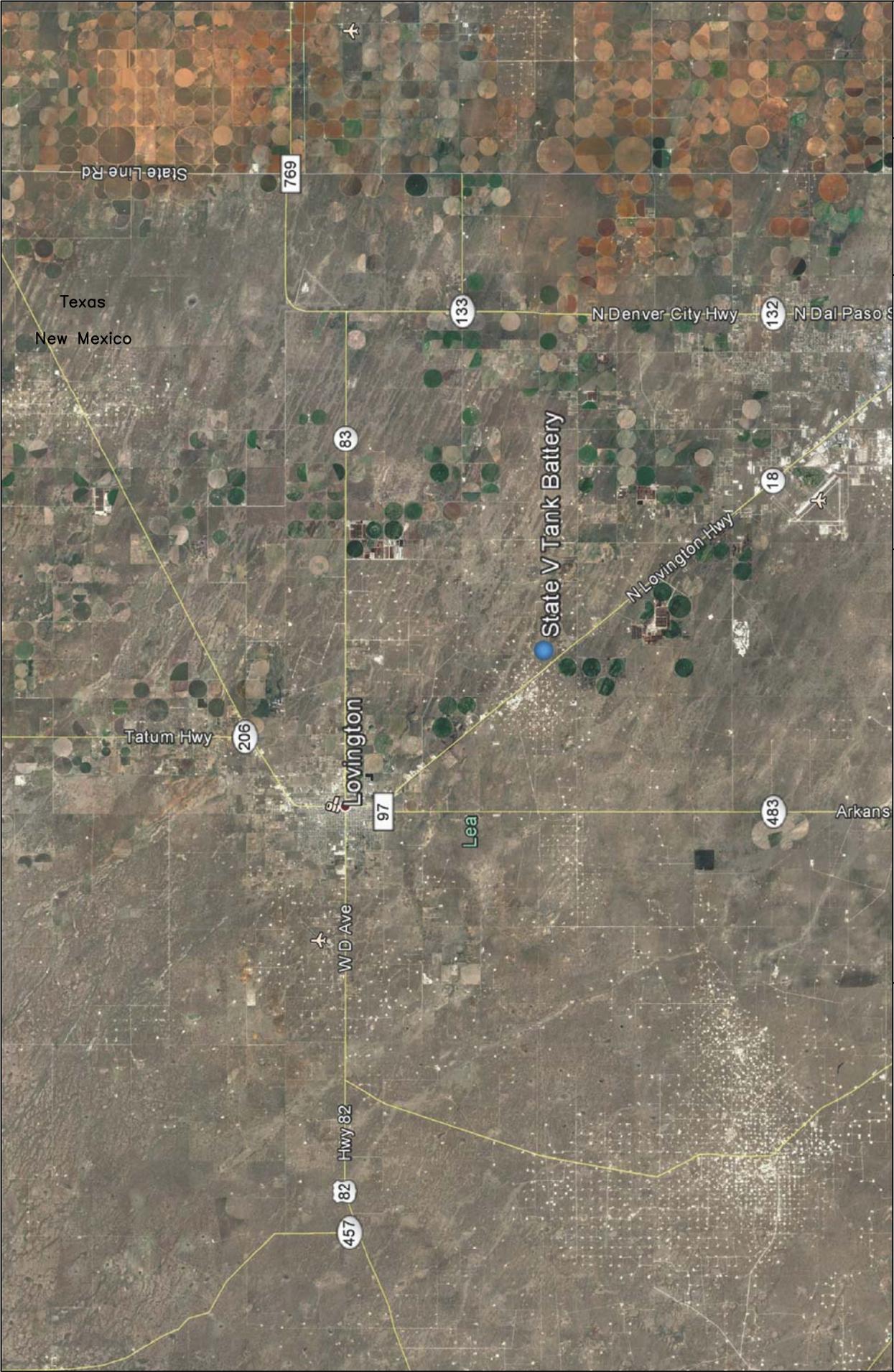


Daniel Dominguez
Environmental Consultant

cc: Olivia Yu, Environmental Specialist – NMOCD District 1, Hobbs, NM
Amber Groves, Remediation Specialist – NMSLO, Hobbs, NM
Chuck Johnston, EHS – Vanguard
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Sample/Site Map
Table 1 – Well Data
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results
Attachment I – Photographs
Attachment II – NMOSE Average Depth to Groundwater
Attachment III – Laboratory Analytical Results
Attachment IV – Copy of Initial NMOCD Form C-141

FIGURES



REVISED:

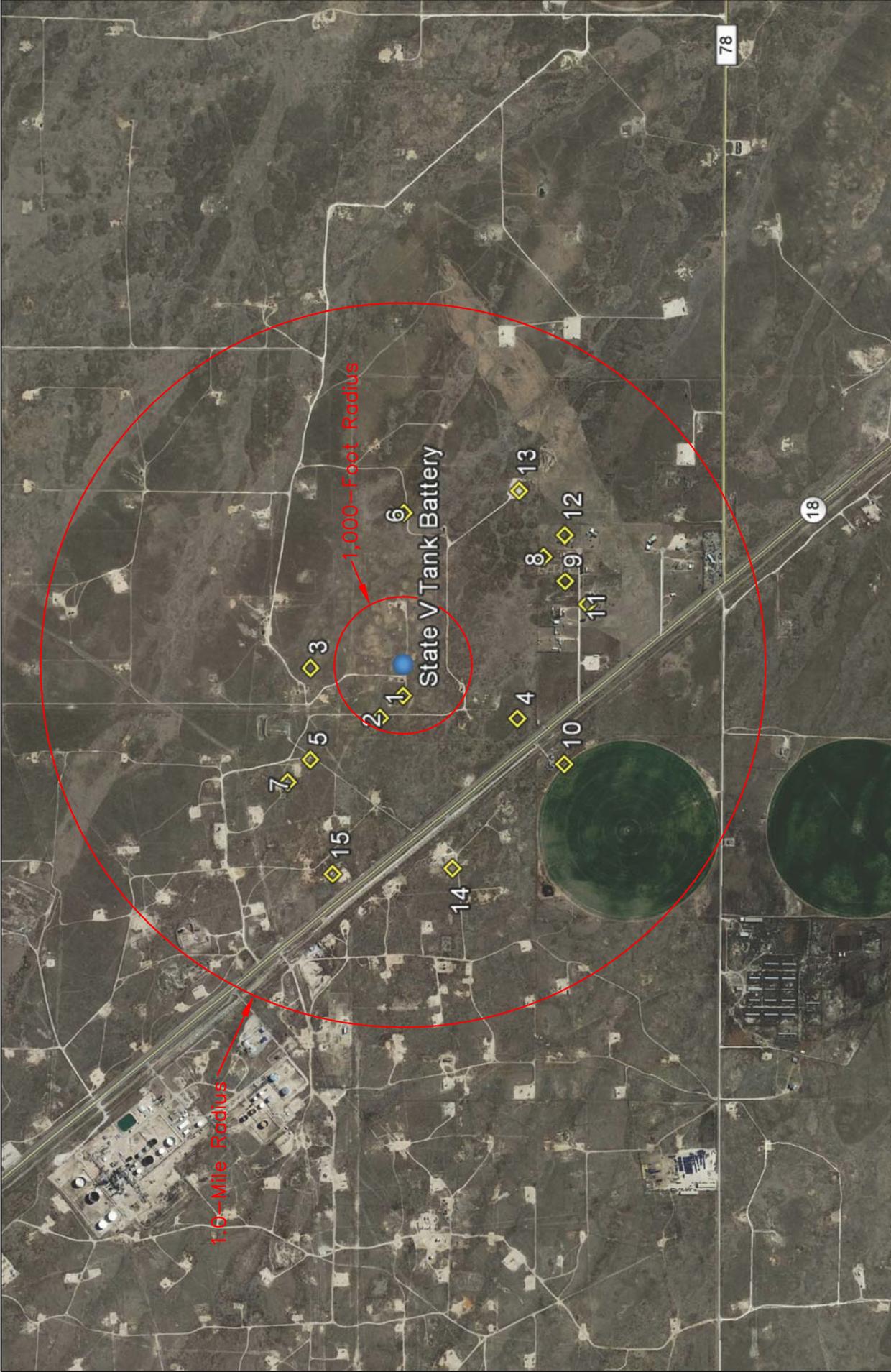
DWG By: D Dominguez
March 2017

0 3 6
Miles

SHEET
1 of 1

Lea County, New Mexico
NW 1/4 of NW 1/4, Sec. 5, T17S, R37E
N 32° 52' 9.88" W 103° 16' 43.48"
Elevation: 3,808 feet amsl

Figure 1
Area Map
Vanguard
State V Tank Battery



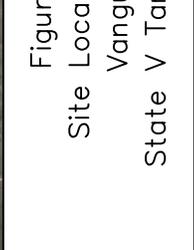
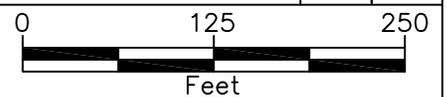
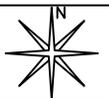
<p>DWG By: D Dominguez March 2017</p>	<p>REVISED:</p>	
<p>0 2,000 4,000 Feet</p>	<p>4,000 SHEET 1 of 1</p>	
<p>Lea County, New Mexico NW 1/4 of NW 1/4, Sec. 5, T17S, R37E N 32° 52' 9.88" W 103° 16' 43.48" Elevation: 3,808 feet amsl</p>		
<p>Figure 2 Site Location Map Vanguard State V Tank Battery</p>		



Figure 3
 Site/Sample Map
 Vanguard
 State V Tank Battery

Lea County, New Mexico
 NW 1/4 of NW 1/4, Sec. 5, T17S, R37E
 N 32° 52' 9.88" W 103° 16' 43.48"
 Elevation: 3,808 feet amsl

DWG By: D Dominguez
 March 2017



TABLES

TABLE 1

Well Data

Vanguard - State V Tank Battery

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Distance ^B	Date Measured	Surface Elevation ^C	Depth to Water (ft.bgs)
1	L 01398	PRO	0	PARKER DRILLING CO.		1	1	5	17S	37E	660901	3638119	138	14-Mar-52	3,809	50
2	L 01107	PRO	0	PARKER DRILLING COMPANY	1	1	1	5	17S	37E	660800	3638218	257	16-Apr-51	3,810	38
3	L 02487	PRO	0	LEE DRILLING COMPANY		3	3	32	16S	37E	661016	3638527	404	07-Feb-54	3,813	35
4	L 02549	IRR	2.1	CARL ALEXANDER	3	3	1	5	17S	37E	660807	3637616	557	16-Jun-55	3,806	65
5	L 02078	PRO	0	SHARP DRILLING COMPANY		4	4	31	16S	37E	660613	3638521	582	25-Mar-53	3,815	50
6	L 01288	PRO	0	PARKER DRILLING CO		1	2	5	17S	37E	661706	3638129	667	28-Oct-51	3,800	40
7	L 01718	MUN	1094.6	CITY OF LOVINGTON	1	4	4	31	16S	37E	660512	3638620	724	02-Jun-65	3,816	50
8	L 10015	DOM	0	MARIE SANDOVAL				5	17S	37E	661524	3637515	777	05-Aug-88	3,799	70
9	L 11952	DOL	3	ESTER M. RODRIGUEZ	2	2	3	5	17S	37E	661416	3637418	799	18-Oct-06	3,800	60
10	L 00449 A	IRR	373.65	BUSTER GOFF	2	2	4	6	17S	37E	660611	3637409	832	17-Apr-66	3,809	48
11	L 09717	DOM	3	HAROLD STOCKTON		2	3	5	17S	37E	661317	3637319	850	02-Sep-85	3,800	65
12	L 09649	DOM	3	P. M. SEWALL	1	1	4	5	17S	37E	661619	3637423	909	18-Jun-85	3,798	65
13	L 11225	PRO	0	CHESAPEAKE OPERATING	4	3	2	5	17S	37E	661812	3637625	919	10-Jul-01	3,798	70
14	L 13414	EXP	0	PLAINS PIPELINE LP	2	3	2	6	17S	37E	660143	3637890	925	07-Jan-14	3,812	93
15	L 01435	PRO	0	SHARP DRILLING CO	3	3	4	31	16S	37E	660110	3638415	973	27-Apr-52	3,814	50

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/IWATERS/wr_RegisServlet1)

^A = In acre feet per annum

^B = In meters

^C = Elevation interpolated from USGS topographical map based on referenced location.

-- = Data not provided on the NM iwaters website

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

PRO = 72-12-1 Prospecting or development of Natural Resource

IRR = Irrigation

MUN = Municipal

DOM = 72-12-1 Domestic one household

DOL = 72-12-1 Domestic and Livestock watering

EXP = Exploration

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Vanguard
State V Tank Battery

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	Surface	In-Situ	01-Mar-17	0.0	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.0	86.0	368
	4	In-Situ	01-Mar-17	0.0	160	--	--	--	--	--	--	--	--	--
	8	In-Situ	01-Mar-17	0.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	80
SP2	Surface	In-Situ	01-Mar-17	0.0	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	64.5	64.5	800
	4	In-Situ	01-Mar-17	0.0	240	--	--	--	--	--	--	--	--	--
	8	In-Situ	01-Mar-17	0.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	256
SP3	Surface	In-Situ	02-Mar-17	0.0	80	<0.050	0.079	<0.050	<0.150	<0.300	<10.0	176	176	32
	4	In-Situ	02-Mar-17	0.0	800	--	--	--	--	--	--	--	--	--
	8	In-Situ	02-Mar-17	0.0	1,040	--	--	--	--	--	--	--	--	--
	12	In-Situ	02-Mar-17	0.0	2,160	--	--	--	--	--	--	--	--	--
	20	In-Situ	02-Mar-17	0.0	400	--	--	--	--	--	--	--	--	--
SP4	Surface	In-Situ	02-Mar-17	0.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	352
	24	In-Situ	02-Mar-17	0.0	240	--	--	--	--	--	--	--	--	--
	28	In-Situ	02-Mar-17	0.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	352
	Surface	In-Situ	03-Mar-17	0.290	80	<0.050	0.299	0.219	0.351	0.869	<10.0	2,200	2,200	32
	4	In-Situ	03-Mar-17	2.7	80	--	--	--	--	--	--	--	--	--
SP4	8	In-Situ	03-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	14	In-Situ	03-Mar-17	0.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	80

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Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP5	Surface	In-Situ	06-Mar-17	0.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,540	1,540	208
	4	In-Situ	06-Mar-17	8.4	80	--	--	--	--	--	--	--	--	--
	6	In-Situ	06-Mar-17	0.0	80	--	--	--	--	--	--	--	--	--
	12	In-Situ	06-Mar-17	0.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	48
SP6	Surface	In-Situ	08-Mar-17	0.0	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	4,930
	4	In-Situ	08-Mar-17	0.0	1,600	--	--	--	--	--	--	--	--	--
	6	In-Situ	08-Mar-17	0.0	200	--	--	--	--	--	--	--	--	--
	14	In-Situ	08-Mar-17	0.0	2,400	--	--	--	--	--	--	--	--	--
	34	In-Situ	08-Mar-17	0.0	240	--	--	--	--	--	--	--	--	--
	38	In-Situ	08-Mar-17	0.0	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	112
SP7	Surface	In-Situ	09-Mar-17	0.0	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	22,000
	4	In-Situ	09-Mar-17	0.0	1,760	--	--	--	--	--	--	--	--	--
	6	In-Situ	09-Mar-17	0.0	2,400	--	--	--	--	--	--	--	--	--
	14	In-Situ	09-Mar-17	0.0	1,040	--	--	--	--	--	--	--	--	--
	22	In-Situ	09-Mar-17	0.0	240	--	--	--	--	--	--	--	--	--
	26	In-Situ	09-Mar-17	0.0	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	80

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State V Tank Battery

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP8	Surface	In-Situ	10-Mar-17	0.0	2,960	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	3,760
	4	In-Situ	10-Mar-17	0.0	160	--	--	--	--	--	--	--	--	--
	10	In-Situ	10-Mar-17	0.0	1,120	--	--	--	--	--	--	--	--	--
	22	In-Situ	10-Mar-17	0.0	1,680	--	--	--	--	--	--	--	--	--
	28	In-Situ	10-Mar-17	0.0	2,240	--	--	--	--	--	--	--	--	--
	34	In-Situ	10-Mar-17	0.0	880	--	--	--	--	--	--	--	--	--
	38	In-Situ	10-Mar-17	0.0	240	--	--	--	--	--	--	--	--	--
	42	In-Situ	10-Mar-17	0.0	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	288
	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
SAAHN	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SAAHE	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SAAHS	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SAAHW	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0

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Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SABHN	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SABHE	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SABHS	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SABHW	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SACHN	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SACHE	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SACHS	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	1	In-Situ	09-Mar-17	--	80	<0.050	0.055	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SACHW	Surface	In-Situ	09-Mar-17	--	80	<0.050	0.056	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SADHN	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Vanguard
State V Tank Battery

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SADHE	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SADHS	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
SADHW	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
SAEHN	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SAEHE	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SAEHS	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	48
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
SAEHW	Surface	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	1	In-Situ	09-Mar-17	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
NMOCD Recommended Remedial Action Levels				100		10				50			1,000	600

-- = Not Analyzed
Bold values are in excess of NMOCD Recommended Remedial Action Levels

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1- Looking across release area south of tank battery



Photograph #2- Looking across release area south of tank battery



Photograph #3- Looking across release area north of tank battery



Photograph #4- Looking across release area north of tank battery



Photograph #5- Looking across release area along flowline



Photograph #6- Looking across release area along flowline



Photograph #7 – Looking across release area along flowline



Photograph #8 – Looking across release area along flowline

ATTACHMENT II
NMOSE Average Depth to Groundwater



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 01398	L	LE		1	1	05	17S	37E		660901	3638119*	138	115	50	65
L 01107 POD1	L	LE		1	1	1	05	17S	37E	660800	3638218*	257	92	38	54
L 02487	L	LE		3	3	32	16S	37E		661016	3638527*	404	90	35	55
L 02549	L	LE		3	3	1	05	17S	37E	660807	3637616*	557	138	65	73
L 02078	L	LE		4	4	31	16S	37E		660613	3638521*	582	112	50	62
L 01604 POD1	L	LE		1	2	2	06	17S	37E	660397	3638214*	648	105		
L 01288	L	LE		1	2	05	17S	37E		661706	3638129*	667	95	40	55
L 05458	L	LE		1	4	4	31	16S	37E	660512	3638620*	724	240	50	190
L 10015	L	LE					05	17S	37E	661524	3637515*	777	125	70	55
L 11952 POD1	L	LE		2	2	3	05	17S	37E	661416	3637418*	799	150	60	90
L 13414 POD4	L	LE		2	3	2	06	17S	37E	660248	3637870	830	110	93	17
L 00449 S	L	LE		2	2	4	06	17S	37E	660611	3637409*	832	120	48	72
L 00449 S	R	L	LE	2	2	4	06	17S	37E	660611	3637409*	832	120	48	72
L 11773	L	LE		2	2	4	06	17S	37E	660611	3637409	832	235		
L 13414 POD5	L	LE		4	1	2	06	17S	37E	660218	3637979	832	110	93	17
L 13038 POD1	L	LE		4	1	2	06	17S	37E	660223	3637928	839	115		
L 09717	L	LE		2	3	05	17S	37E		661317	3637319*	850	118	65	53
L 09719	L	LE		2	3	05	17S	37E		661317	3637319*	850	125	70	55
L 10143	L	LE		2	3	05	17S	37E		661317	3637319*	850	90	55	35
L 10324	L	LE		2	3	05	17S	37E		661317	3637319*	850	150	70	80
L 13414 POD2	L	LE		4	1	2	06	17S	37E	660194	3637900	873	102	93	9
L 13414 POD1	L	LE		4	1	2	06	17S	37E	660176	3637917	886	110	93	17
L 09649	L	LE		1	1	4	05	17S	37E	661619	3637423*	909	124	65	59
L 11225	L	LE		4	3	2	05	17S	37E	661812	3637625*	919	180	70	110
L 13414 POD3	L	LE		2	3	2	06	17S	37E	660143	3637890	925	110	93	17
L 13038 POD2	L	LE		2	3	2	06	17S	37E	660146	3637865	929	115		

*UTM location was derived from PLSS - see Help

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 13038 POD3	L	LE		2	3	2	06	17S	37E	660146	3637865 	929	115		
L 13038 POD4	L	LE		2	3	2	06	17S	37E	660120	3637865 	954	120		
L 01435	L	LE		3	3	4	31	16S	37E	660110	3638415* 	973	120	50	70

Average Depth to Water: **63 feet**
 Minimum Depth: **35 feet**
 Maximum Depth: **93 feet**

Record Count: 29

UTM NAD83 Radius Search (in meters):

Easting (X): 661039

Northing (Y): 3638123

Radius: 1000

*UTM location was derived from PLSS - see Help

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

ATTACHMENT III
Laboratory Analytical Results



March 14, 2017

Daniel Dominguez
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

RE: STATE V

Enclosed are the results of analyses for samples received by the laboratory on 03/07/17 15:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP1 (SURFACE) (H700583-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/09/2017	ND	480	120	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/09/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	86.0	10.0	03/09/2017	ND	211	106	200	7.03	

Surrogate: 1-Chlorooctane 88.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 98.1 % 26.8-170

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP1 (8') (H700583-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89		
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94		
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03		
Total BTEX	<0.300	0.300	03/13/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/09/2017	ND	480	120	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/08/2017	ND	199	99.5	200	4.57		
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03		

Surrogate: 1-Chlorooctane 88.1 % 25.1-158

Surrogate: 1-Chlorooctadecane 87.0 % 26.8-170

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP2 (SURFACE) (H700583-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2017	ND	2.05	103	2.00	2.94		
Toluene*	<0.050	0.050	03/10/2017	ND	1.92	96.2	2.00	3.02		
Ethylbenzene*	<0.050	0.050	03/10/2017	ND	1.93	96.6	2.00	2.92		
Total Xylenes*	<0.150	0.150	03/10/2017	ND	5.54	92.3	6.00	2.99		
Total BTEX	<0.300	0.300	03/10/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	03/09/2017	ND	480	120	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/09/2017	ND	199	99.5	200	4.57		
DRO >C10-C28	64.5	10.0	03/09/2017	ND	211	106	200	7.03		

Surrogate: 1-Chlorooctane 80.0 % 25.1-158

Surrogate: 1-Chlorooctadecane 82.4 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP2 (8') (H700583-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2017	ND	2.05	103	2.00	2.94		
Toluene*	<0.050	0.050	03/10/2017	ND	1.92	96.2	2.00	3.02		
Ethylbenzene*	<0.050	0.050	03/10/2017	ND	1.93	96.6	2.00	2.92		
Total Xylenes*	<0.150	0.150	03/10/2017	ND	5.54	92.3	6.00	2.99		
Total BTEX	<0.300	0.300	03/10/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/09/2017	ND	480	120	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/08/2017	ND	199	99.5	200	4.57		
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03		

Surrogate: 1-Chlorooctane 88.0 % 25.1-158

Surrogate: 1-Chlorooctadecane 91.8 % 26.8-170

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/02/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP3 (SURFACE) (H700583-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	0.079	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	480	120	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/09/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	176	10.0	03/09/2017	ND	211	106	200	7.03	

Surrogate: 1-Chlorooctane 87.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 102 % 26.8-170

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/02/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP3 (28') (H700583-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89		
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94		
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03		
Total BTEX	<0.300	0.300	03/13/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/09/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/08/2017	ND	199	99.5	200	4.57		
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03		

Surrogate: 1-Chlorooctane 89.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 90.0 % 26.8-170

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/03/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP4 (SURFACE) (H700583-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.01	101	2.00	1.89	
Toluene*	0.299	0.050	03/14/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	0.219	0.050	03/14/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	0.351	0.150	03/14/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	0.869	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	2200	50.0	03/08/2017	ND	211	106	200	7.03	

Surrogate: 1-Chlorooctane 99.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 154 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/03/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP4 (14') (H700583-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/09/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03	

Surrogate: 1-Chlorooctane 79.8 % 25.1-158
Surrogate: 1-Chlorooctadecane 81.5 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/06/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP5 (SURFACE) (H700583-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89		
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94		
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03		
Total BTEX	<0.300	0.300	03/13/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/09/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	03/08/2017	ND	199	99.5	200	4.57		
DRO >C10-C28	1540	50.0	03/08/2017	ND	211	106	200	7.03		

Surrogate: 1-Chlorooctane 98.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 144 % 26.8-170

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Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/07/2017	Sampling Date:	03/06/2017
Reported:	03/14/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	UL-C SEC.5, T17S,R37E	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP5 (12') (H700583-10)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89		
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94		
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03		
Total BTEX	<0.300	0.300	03/13/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/09/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/08/2017	ND	199	99.5	200	4.57		
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03		

Surrogate: 1-Chlorooctane 77.0 % 25.1-158
Surrogate: 1-Chlorooctadecane 75.8 % 26.8-170

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



March 17, 2017

Daniel Dominguez
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

RE: STATE V

Enclosed are the results of analyses for samples received by the laboratory on 03/13/17 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/08/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	VANGUARD	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SP6 (SURFACE) (H700646-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.00	99.8	2.00	0.479	
Toluene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	0.616	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.86	93.1	2.00	0.899	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.32	88.7	6.00	0.918	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4930	16.0	03/16/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 103 % 25.1-158
Surrogate: 1-Chlorooctadecane 107 % 26.8-170

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/17/2017
 Project Name: STATE V
 Project Number: VANGUARD
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/08/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP6 (38') (H700646-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.00	99.8	2.00	0.479	
Toluene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	0.616	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.86	93.1	2.00	0.899	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.32	88.7	6.00	0.918	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/16/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 96.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 77.1 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	VANGUARD	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SP7 (SURFACE) (H700646-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2017	ND	2.00	99.8	2.00	0.479		
Toluene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	0.616		
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.86	93.1	2.00	0.899		
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.32	88.7	6.00	0.918		
Total BTEX	<0.300	0.300	03/16/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22000	16.0	03/16/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11		
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16		

Surrogate: 1-Chlorooctane 101 % 25.1-158

Surrogate: 1-Chlorooctadecane 105 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/17/2017
 Project Name: STATE V
 Project Number: VANGUARD
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP7 (26') (H700646-04)

BTEX 8021B		mg/kg		Analyzed By: MS				A-01		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2017	ND	2.00	99.8	2.00	0.479		
Toluene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	0.616		
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.86	93.1	2.00	0.899		
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.32	88.7	6.00	0.918		
Total BTEX	<0.300	0.300	03/16/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				A-01		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/16/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				A-01		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11		
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16		

Surrogate: 1-Chlorooctane 91.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 97.4 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/10/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	VANGUARD	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SP8 (SURFACE) (H700646-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2017	ND	2.00	99.8	2.00	0.479		
Toluene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	0.616		
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.86	93.1	2.00	0.899		
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.32	88.7	6.00	0.918		
Total BTEX	<0.300	0.300	03/16/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	03/16/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11		
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16		

Surrogate: 1-Chlorooctane 91.1 % 25.1-158

Surrogate: 1-Chlorooctadecane 92.2 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/17/2017
 Project Name: STATE V
 Project Number: VANGUARD
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/10/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP8 (42') (H700646-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/16/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 102 % 25.1-158

Surrogate: 1-Chlorooctadecane 107 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- A-01 Sample jar contained headspace. Results may be biased low.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM450Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



March 20, 2017

Daniel Dominguez
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

RE: STATE V

Enclosed are the results of analyses for samples received by the laboratory on 03/13/17 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SAAHN (SURFACE) (H700647-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 96.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 103 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAAHN (1') (H700647-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 84.3 % 25.1-158
Surrogate: 1-Chlorooctadecane 87.9 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAAHE (SURFACE) (H700647-03)
BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 90.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 99.8 % 26.8-170

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Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SAAHE (1') (H700647-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 110 % 25.1-158

Surrogate: 1-Chlorooctadecane 117 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAAHS (SURFACE) (H700647-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 111 % 25.1-158

Surrogate: 1-Chlorooctadecane 121 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAAHS (1') (H700647-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 98.5 % 25.1-158
Surrogate: 1-Chlorooctadecane 115 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SAAHW (SURFACE) (H700647-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 107 % 25.1-158

Surrogate: 1-Chlorooctadecane 117 % 26.8-170

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Analytical Results For:

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 Daniel Dominguez
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 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAAHW (1') (H700647-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 106 % 25.1-158

Surrogate: 1-Chlorooctadecane 115 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SABHN (SURFACE) (H700647-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 105 % 25.1-158
Surrogate: 1-Chlorooctadecane 110 % 26.8-170

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Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SABHN (1') (H700647-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 108 % 25.1-158
Surrogate: 1-Chlorooctadecane 116 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SABHE (SURFACE) (H700647-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 92.5 % 25.1-158
Surrogate: 1-Chlorooctadecane 97.2 % 26.8-170

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 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SABHE (1') (H700647-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	208	104	200	4.11	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	213	107	200	6.16	

Surrogate: 1-Chlorooctane 97.5 % 25.1-158
Surrogate: 1-Chlorooctadecane 101 % 26.8-170

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 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SABHS (SURFACE) (H700647-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 96.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 100 % 26.8-170

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 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SABHS (1') (H700647-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 100 % 25.1-158

Surrogate: 1-Chlorooctadecane 101 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SABHW (SURFACE) (H700647-15)
BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 90.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 94.7 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SABHW (1') (H700647-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 96.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 99.1 % 26.8-170

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Analytical Results For:

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SACHN (SURFACE) (H700647-17)
BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 84.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 88.8 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SACHN (1') (H700647-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/16/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 88.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 91.1 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SACHE (SURFACE) (H700647-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.00440	
Toluene*	<0.050	0.050	03/17/2017	ND	1.95	97.7	2.00	0.214	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.95	97.6	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.58	93.0	6.00	0.324	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 85.1 % 25.1-158
Surrogate: 1-Chlorooctadecane 87.8 % 26.8-170

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Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SACHE (1') (H700647-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 88.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 89.6 % 26.8-170

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Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SACHS (SURFACE) (H700647-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 97.1 % 25.1-158

Surrogate: 1-Chlorooctadecane 97.3 % 26.8-170

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 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SACHS (1') (H700647-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	0.055	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 79.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 81.8 % 26.8-170

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 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SACHW (SURFACE) (H700647-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	0.056	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 73.5 % 25.1-158

Surrogate: 1-Chlorooctadecane 78.0 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SACHW (1') (H700647-24)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 86.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 86.8 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SADHN (SURFACE) (H700647-25)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523		
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733		
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977		
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04		
Total BTEX	<0.300	0.300	03/17/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/16/2017	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00		
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29		

Surrogate: 1-Chlorooctane 89.0 % 25.1-158
Surrogate: 1-Chlorooctadecane 93.0 % 26.8-170

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Analytical Results For:

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 Daniel Dominguez
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 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SADHN (1') (H700647-26)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 98.0 % 25.1-158

Surrogate: 1-Chlorooctadecane 100 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SADHE (SURFACE) (H700647-27)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.3	200	4.00	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	205	102	200	3.29	

Surrogate: 1-Chlorooctane 94.5 % 25.1-158
Surrogate: 1-Chlorooctadecane 98.5 % 26.8-170

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Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SADHE (1') (H700647-28)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523		
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733		
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977		
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04		
Total BTEX	<0.300	0.300	03/17/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/16/2017	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583		
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802		

Surrogate: 1-Chlorooctane 94.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 102 % 26.8-170

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 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SADHS (SURFACE) (H700647-29)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 91.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 87.0 % 26.8-170

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 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SADHS (1') (H700647-30)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 92.6 % 25.1-158
Surrogate: 1-Chlorooctadecane 97.4 % 26.8-170

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 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SADHW (SURFACE) (H700647-31)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/16/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 89.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 94.1 % 26.8-170

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 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SADHW (1') (H700647-32)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 94.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 99.0 % 26.8-170

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 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAEHN (SURFACE) (H700647-33)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523		
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733		
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977		
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04		
Total BTEX	<0.300	0.300	03/17/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2017	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583		
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802		

Surrogate: 1-Chlorooctane 89.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 95.6 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAEHN (1') (H700647-34)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 87.0 % 25.1-158

Surrogate: 1-Chlorooctadecane 89.7 % 26.8-170

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Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAEHE (SURFACE) (H700647-35)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 86.8 % 25.1-158
Surrogate: 1-Chlorooctadecane 92.0 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SAEHE (1') (H700647-36)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 91.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 95.2 % 26.8-170

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Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAEHS (SURFACE) (H700647-37)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/17/2017	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane 92.7 % 25.1-158
Surrogate: 1-Chlorooctadecane 96.9 % 26.8-170

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Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SAEHS (1') (H700647-38)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523		
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733		
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977		
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04		
Total BTEX	<0.300	0.300	03/17/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2017	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583		
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802		

Surrogate: 1-Chlorooctane 91.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 96.5 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 03/13/2017
 Reported: 03/20/2017
 Project Name: STATE V
 Project Number: NOT GIVEN
 Project Location: UL-C SEC.5, T17S,R37E

 Sampling Date: 03/09/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SAEHW (SURFACE) (H700647-39)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2017	ND	2.26	113	2.00	1.12		
Toluene*	<0.050	0.050	03/17/2017	ND	2.14	107	2.00	1.24		
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	2.16	108	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/17/2017	ND	6.17	103	6.00	1.63		
Total BTEX	<0.300	0.300	03/17/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2017	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583		
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802		

Surrogate: 1-Chlorooctane 98.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 101 % 26.8-170

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Analytical Results For:

 Environmental Plus, Inc.
 Daniel Dominguez
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

Received:	03/13/2017	Sampling Date:	03/09/2017
Reported:	03/20/2017	Sampling Type:	Soil
Project Name:	STATE V	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-C SEC.5, T17S,R37E		

Sample ID: SAEHW (1') (H700647-40)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2017	ND	2.26	113	2.00	1.12		
Toluene*	<0.050	0.050	03/17/2017	ND	2.14	107	2.00	1.24		
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	2.16	108	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/17/2017	ND	6.17	103	6.00	1.63		
Total BTEX	<0.300	0.300	03/17/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2017	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583		
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802		

Surrogate: 1-Chlorooctane 86.5 % 25.1-158
Surrogate: 1-Chlorooctadecane 91.0 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager

ATTACHMENT IV
Copy of Initial NMOCD Form C-141

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: Vanguard	Contact: Chuck Johnston
Address: 4001 Penbrook, Suite 201, Odessa Texas 79762	Telephone No. 432-202-4771
Facility Name: State V Tank Battery	Facility Type: Tank Battery

Surface Owner: State	Mineral Owner:	API No.
----------------------	----------------	---------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	5	17S	37E					Lea

D= tank battery

Latitude: N 32.869134° Longitude: W 103.278675°

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: unknown	Volume Recovered: unknown
Source of Release: Tank Battery and Flowline	Date and Hour of Occurrence: Historic	Date and Hour of Discovery: Historic
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

If a Watercourse was Impacted, Describe Fully.* Not Applicable

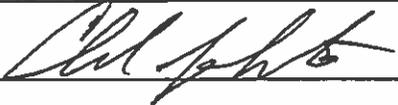
RECEIVED

By Olivia Yu at 10:03 am, Mar 13, 2017

Describe Cause of Problem and Remedial Action Taken.*
Historic releases of produced water from flowline and tank battery.

Describe Area Affected and Cleanup Action Taken.*
Discovered six separate historic release areas from flowline and tank battery. Samples will be collected and sent to the lab for testing.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Chuck Johnston	Approved by Environmental Specialist: 	
Title: EHS	Approval Date: 3/13/2017	Expiration Date:
E-mail Address: cjohnston@vnrllc.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: 3-9-17 Phone: 432-202-4771		

* Attach Additional Sheets If Necessary

1RP-4640

nOY1707237630

pOY1707237994

fOY1707237145