

# ***ENVIRONMENTAL PLUS, INC.***

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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', is 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:**

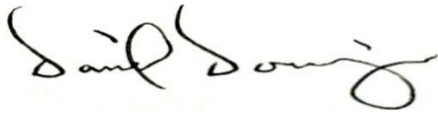
In an effort to prevent the spread of noxious weeds such as African Rue, Siberian Elm, Jointed Goatgrass, Russian Olive, Camelthorn, Saltcedar, Starthistle varieties, Hoary Cress and Russian Knapweed, the area will be confirmed to be clear of any noxious weeds. If any are located they will be removed 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](mailto:ddominguezepi@gmail.com) or Mr. Chuck Johnston at (432) 202-4771 or via e-mail at [cjohnston@vnrlc.com](mailto: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.



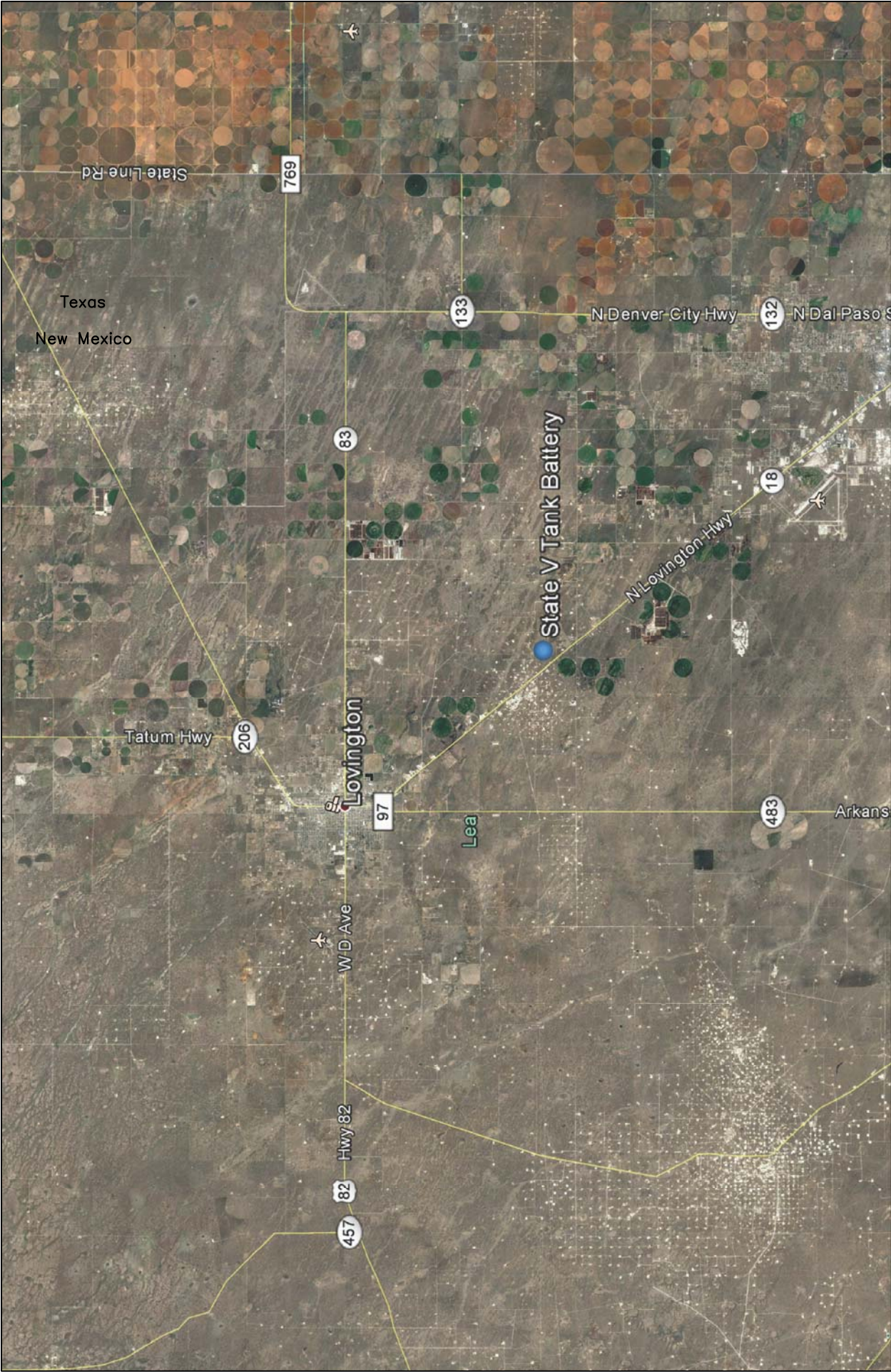
Daniel Dominguez  
Environmental Consultant

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

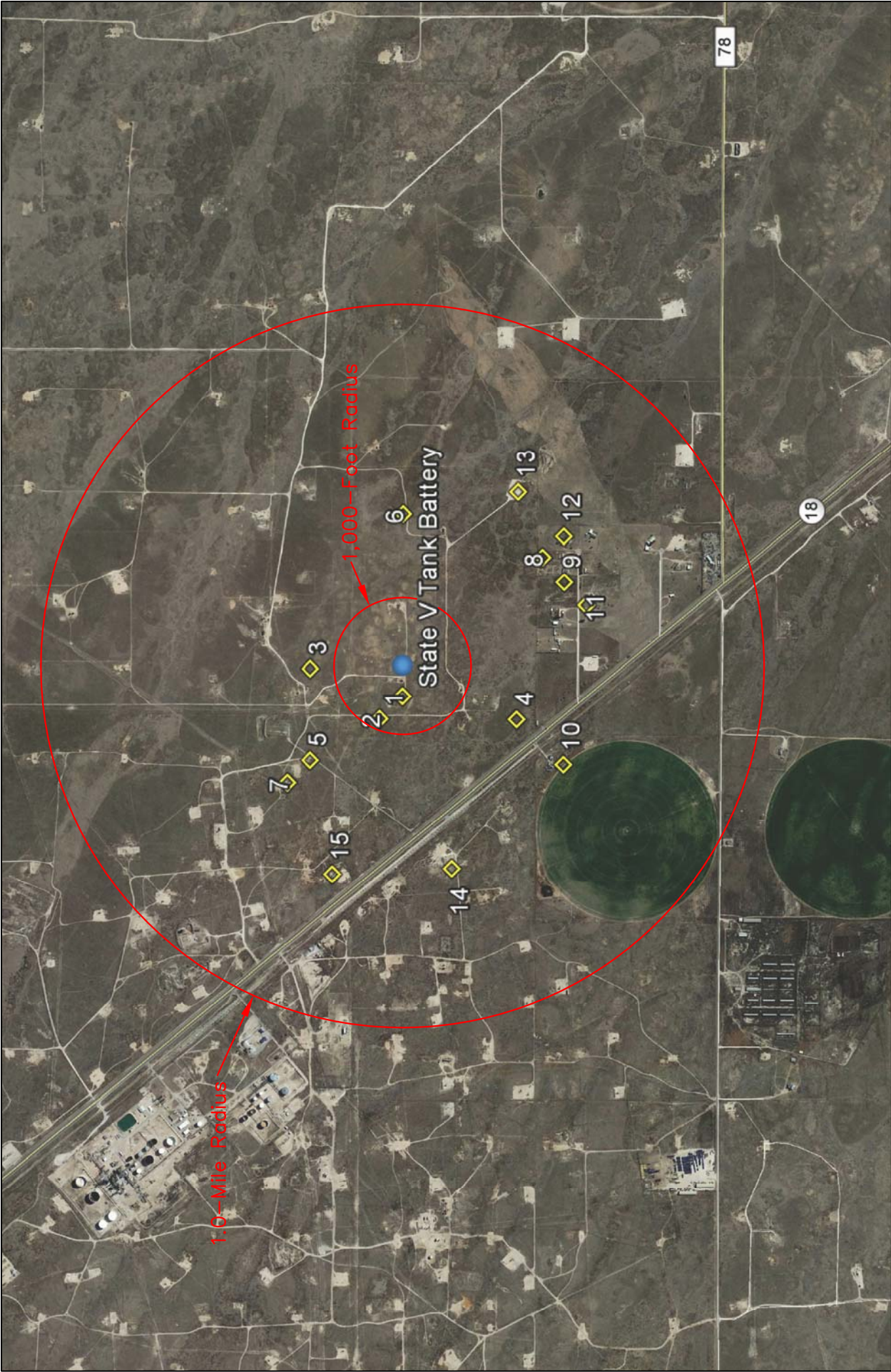
## FIGURES





|  |   |  |  |          |   |
|--|---|--|--|----------|---|
| Figure 1<br>Area Map<br>Vanguard<br>State V Tank Battery | Lea County, New Mexico<br>NW 1/4 of NW 1/4, Sec. 5, T17S, R37E<br>N 32° 52' 9.88" W 103° 16' 43.48"<br>Elevation: 3,808 feet amsl |  | DWG By: D Dominguez<br>March 2017  | REVISED: |  |
|  |   |  |  |          |   |
|  |   |  | <br>Miles |          |   |





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

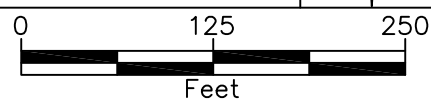
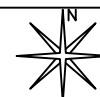




Figure 3  
Site/Sample Map  
Vanguard  
State V Tank Battery

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 <sup>A</sup> | Owner                   | q64 | q16 | q4 | Sec | Twsp | Rng | Easting | Northing | Distance <sup>B</sup> | Date Measured | Surface Elevation <sup>C</sup> | 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](http://iwaters.ose.state.nm.us:7001/IWATERS/wr_RegisServlet1))

<sup>A</sup> = In acre feet per annum

<sup>B</sup> = In meters

<sup>C</sup> = 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                    | --              | --              | --                   | --                    | --                 | --                 | --                  | --                | --               |
|               | 24           | In-Situ     | 02-Mar-17   | 0.0               | 240                    | --              | --              | --                   | --                    | --                 | --                 | --                  | --                | --               |
| SP4           | 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                     | --              | --              | --                   | --                    | --                 | --                 | --                  | --                | --               |
|               | 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               |

**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) |
|---------------|--------------|-------------|-------------|-------------------|------------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------|---------------------|-------------------|------------------|
| SP5           | Surface      | In-Situ     | 06-Mar-17   | 0.0               | 80                     | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0              | 1,540               | <b>1,540</b>      | 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             | <b>4,930</b>     |
|               | 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             | <b>22,000</b>    |
|               | 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               |



**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) |
|---------------|--------------|-------------|-------------|-------------------|------------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------|---------------------|-------------------|------------------|
| 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              |
| SAAHN         | 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               |
| SAAHE         | 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               |
| SAAHS         | 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               |
| SAAHW         | 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            |

**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) |
|---------------|--------------|-------------|-------------|-------------------|------------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------|---------------------|-------------------|------------------|
| 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  
**Red** 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 |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">L 01398</a>      | L            | LE    |        | 1    | 1    | 05  | 17S | 37E |     | 660901 | 3638119* | 138      | 115        | 50          | 65           |
| <a href="#">L 01107 POD1</a> | L            | LE    |        | 1    | 1    | 1   | 05  | 17S | 37E | 660800 | 3638218* | 257      | 92         | 38          | 54           |
| <a href="#">L 02487</a>      | L            | LE    |        | 3    | 3    | 32  | 16S | 37E |     | 661016 | 3638527* | 404      | 90         | 35          | 55           |
| <a href="#">L 02549</a>      | L            | LE    |        | 3    | 3    | 1   | 05  | 17S | 37E | 660807 | 3637616* | 557      | 138        | 65          | 73           |
| <a href="#">L 02078</a>      | L            | LE    |        | 4    | 4    | 31  | 16S | 37E |     | 660613 | 3638521* | 582      | 112        | 50          | 62           |
| <a href="#">L 01604 POD1</a> | L            | LE    |        | 1    | 2    | 2   | 06  | 17S | 37E | 660397 | 3638214* | 648      | 105        |             |              |
| <a href="#">L 01288</a>      | L            | LE    |        | 1    | 2    | 05  | 17S | 37E |     | 661706 | 3638129* | 667      | 95         | 40          | 55           |
| <a href="#">L 05458</a>      | L            | LE    |        | 1    | 4    | 4   | 31  | 16S | 37E | 660512 | 3638620* | 724      | 240        | 50          | 190          |
| <a href="#">L 10015</a>      | L            | LE    |        |      |      |     | 05  | 17S | 37E | 661524 | 3637515* | 777      | 125        | 70          | 55           |
| <a href="#">L 11952 POD1</a> | L            | LE    |        | 2    | 2    | 3   | 05  | 17S | 37E | 661416 | 3637418* | 799      | 150        | 60          | 90           |
| <a href="#">L 13414 POD4</a> | L            | LE    |        | 2    | 3    | 2   | 06  | 17S | 37E | 660248 | 3637870  | 830      | 110        | 93          | 17           |
| <a href="#">L 00449 S</a>    | L            | LE    |        | 2    | 2    | 4   | 06  | 17S | 37E | 660611 | 3637409* | 832      | 120        | 48          | 72           |
| <a href="#">L 00449 S</a>    | R            | L     | LE     | 2    | 2    | 4   | 06  | 17S | 37E | 660611 | 3637409* | 832      | 120        | 48          | 72           |
| <a href="#">L 11773</a>      | L            | LE    |        | 2    | 2    | 4   | 06  | 17S | 37E | 660611 | 3637409  | 832      | 235        |             |              |
| <a href="#">L 13414 POD5</a> | L            | LE    |        | 4    | 1    | 2   | 06  | 17S | 37E | 660218 | 3637979  | 832      | 110        | 93          | 17           |
| <a href="#">L 13038 POD1</a> | L            | LE    |        | 4    | 1    | 2   | 06  | 17S | 37E | 660223 | 3637928  | 839      | 115        |             |              |
| <a href="#">L 09717</a>      | L            | LE    |        | 2    | 3    | 05  | 17S | 37E |     | 661317 | 3637319* | 850      | 118        | 65          | 53           |
| <a href="#">L 09719</a>      | L            | LE    |        | 2    | 3    | 05  | 17S | 37E |     | 661317 | 3637319* | 850      | 125        | 70          | 55           |
| <a href="#">L 10143</a>      | L            | LE    |        | 2    | 3    | 05  | 17S | 37E |     | 661317 | 3637319* | 850      | 90         | 55          | 35           |
| <a href="#">L 10324</a>      | L            | LE    |        | 2    | 3    | 05  | 17S | 37E |     | 661317 | 3637319* | 850      | 150        | 70          | 80           |
| <a href="#">L 13414 POD2</a> | L            | LE    |        | 4    | 1    | 2   | 06  | 17S | 37E | 660194 | 3637900  | 873      | 102        | 93          | 9            |
| <a href="#">L 13414 POD1</a> | L            | LE    |        | 4    | 1    | 2   | 06  | 17S | 37E | 660176 | 3637917  | 886      | 110        | 93          | 17           |
| <a href="#">L 09649</a>      | L            | LE    |        | 1    | 1    | 4   | 05  | 17S | 37E | 661619 | 3637423* | 909      | 124        | 65          | 59           |
| <a href="#">L 11225</a>      | L            | LE    |        | 4    | 3    | 2   | 05  | 17S | 37E | 661812 | 3637625* | 919      | 180        | 70          | 110          |
| <a href="#">L 13414 POD3</a> | L            | LE    |        | 2    | 3    | 2   | 06  | 17S | 37E | 660143 | 3637890  | 925      | 110        | 93          | 17           |
| <a href="#">L 13038 POD2</a> | 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 |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|--|----------|------------|-------------|--------------|
| <a href="#">L 13038 POD3</a> | L            |       | LE     | 2    | 3    | 2   | 06  | 17S | 37E | 660146 | 3637865   | 929      | 115        |             |              |
| <a href="#">L 13038 POD4</a> | L            |       | LE     | 2    | 3    | 2   | 06  | 17S | 37E | 660120 | 3637865   | 954      | 120        |             |              |
| <a href="#">L 01435</a>      | 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

UTMNAD83 Radius Search (in meters):

Easting (X): 661039

Northing (Y): 3638123

Radius: 1000

**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](http://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,



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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/01/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/01/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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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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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/01/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

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

| BTX 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 BTX      | <0.300 | 0.300           | 03/10/2017 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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             | 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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/01/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

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

| BTX 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 BTX      | <0.300 | 0.300           | 03/10/2017 | 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             | 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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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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/02/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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, 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            | 03/09/2017 | 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

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**Analytical Results For:**

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

 Received: 03/07/2017  
 Reported: 03/14/2017  
 Project Name: STATE V  
 Project Number: UL-C SEC.5, T17S,R37E  
 Project Location: NOT GIVEN

 Sampling Date: 03/02/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-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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**Analytical Results For:**

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

Received: 03/07/2017  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

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

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

| BTX 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 BTX      | 0.869  | 0.300           | 03/14/2017 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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            | 03/09/2017 | 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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**Analytical Results For:**

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

 Received: 03/07/2017  
 Reported: 03/14/2017  
 Project Name: STATE V  
 Project Number: UL-C SEC.5, T17S,R37E  
 Project Location: NOT GIVEN

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

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

| BTX 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 BTX      | <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             | 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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/06/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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

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  
Reported: 03/14/2017  
Project Name: STATE V  
Project Number: UL-C SEC.5, T17S,R37E  
Project Location: NOT GIVEN

Sampling Date: 03/06/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

# Environmental Plus, Inc.

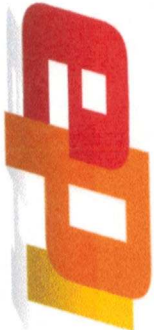
2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Bill To

ANALYSIS REQUEST



Attn: Daniel Dominguez

P.O. Box 1558

Eunice, NM 88231

Company Name Environmental Plus, Inc.

EPI Project Manager

Daniel Dominguez

Mailing Address

P.O. BOX 1558

City, State, Zip

Eunice New Mexico 88231

EPI Phone#/Fax#

575-394-3481 / 575-394-2601

Client Company

Vanguard

Facility Name

State V

Location

UL- C Sec. 5, T17S, R37E

Project Reference

EPI Sampler Name

Dustin Crockett

LAB I.D.

SAMPLE I.D.

(G)RAB OR (C)OMP.

# CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl<sup>-</sup>)

SULFATES (SO<sub>4</sub><sup>2-</sup>)

pH

TCLP

OTHER >>>

PAH

#100583

1 SP1 (Surface)

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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](http://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,



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 (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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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)**

| BTX 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 BTX      | <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  
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 (SURFACE) (H700646-03)**

| BTX 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 BTX      | <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)**

| BTX 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 BTX      | <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             | 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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\*=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: 03/10/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

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

| BTX 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 BTX      | <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             | 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

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: 03/13/2017  
 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)**

| BTX 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 BTX      | <0.300 | 0.300           | 03/16/2017 | ND           |                 |            |               |         |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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             | 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

Cardinal Laboratories

\*=Accredited Analyte

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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 SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# Environmental Plus, Inc.

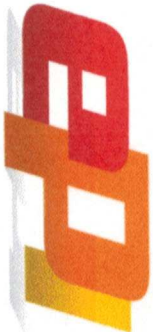
2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Bill To

ANALYSIS REQUEST



Attn: Daniel Dominguez

P.O. Box 1558

Eunice, NM 88231

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company Vanguard

Facility Name State V

Location UL- C Sec. 5, T17S, R37E

Project Reference

EPI Sampler Name Dustin Crockett

| LAB I.D. | SAMPLE I.D.     | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX       |            |      |           |        |        | PRESERV.  | SAMPLING |       | ANALYSIS REQUEST |       |            |           |                              |   |    |      |           |     |
|----------|-----------------|-------------------|--------------|--------------|------------|------|-----------|--------|--------|-----------|----------|-------|------------------|-------|------------|-----------|------------------------------|---|----|------|-----------|-----|
|          |                 |                   |              | GROUND WATER | WASTEWATER | SOIL | CRUDE OIL | SLUDGE | OTHER: | ACID/BASE | ICE/COOL | OTHER | DATE             | TIME  | BTEX 8021B | TPH 8015M | CHLORIDES (Cl <sup>-</sup> ) | SULFATES (SO <sub>4</sub> <sup>2-</sup> ) | pH | TCLP | OTHER >>> | PAH |
| #1006-46 | 1 SP6 (Surface) | G                 | 1            |              |            | X    |           |        |        |           | X        |       | 08-Mar-17        | 7:40  | X          | X         | X                            |   |    |      |           |     |
|          | 2 SP6 (38')     | G                 | 1            |              |            | X    |           |        |        |           | X        |       | 08-Mar-17        | 13:30 | X          | X         | X                            |   |    |      |           |     |
|          | 3 SP7 (Surface) | G                 | 1            |              |            | X    |           |        |        |           | X        |       | 09-Mar-17        | 6:40  | X          | X         | X                            |   |    |      |           |     |
|          | 4 SP7 (26')     | G                 | 1            |              |            | X    |           |        |        |           | X        |       | 09-Mar-17        | 13:15 | X          | X         | X                            |   |    |      |           |     |
|          | 5 SP8 (Surface) | G                 | 1            |              |            | X    |           |        |        |           | X        |       | 10-Mar-17        | 7:15  | X          | X         | X                            |   |    |      |           |     |
|          | 6 SP8 (42')     | G                 | 1            |              |            | X    |           |        |        |           | X        |       | 10-Mar-17        | 13:35 | X          | X         | X                            |   |    |      |           |     |
|          | 7               |                   |              |              |            |      |           |        |        |           |          |       |                  |       |            |           |                              |   |    |      |           |     |
|          | 8               |                   |              |              |            |      |           |        |        |           |          |       |                  |       |            |           |                              |   |    |      |           |     |
|          | 9               |                   |              |              |            |      |           |        |        |           |          |       |                  |       |            |           |                              |   |    |      |           |     |
|          | 10              |                   |              |              |            |      |           |        |        |           |          |       |                  |       |            |           |                              |   |    |      |           |     |

Sampler Relinquished:

Date 3-13-17

Received By:

E-mail results to: ddominguezepi@gmail.com & cjohnston@vnrllc.com

Relinquished by:

Date 3/13/17

Received By: (lab staff)

NOTES:

Sample #4 has headspace.

Delivered by:

Sample Cool & Intact

Checked By:

4:18 PM

Yes

No

70. #75

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](http://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,



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 ( 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

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: 03/13/2017  
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)**

| BTX 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 BTX      | <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              | 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

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: 03/13/2017  
 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, 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            | 03/14/2017 | 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

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: 03/13/2017  
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 ( 1') (H700647-04)**

| BTX 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 BTX      | <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             | 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)**

| BTX 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 BTX      | <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             | <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, 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 98.5 % 25.1-158

Surrogate: 1-Chlorooctadecane 115 % 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: 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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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, 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 106 % 25.1-158

Surrogate: 1-Chlorooctadecane 115 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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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: 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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**Analytical Results For:**

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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: 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, 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           | 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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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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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: 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 |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>32.0</b> | 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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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: 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, 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           | 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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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: 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, 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 96.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 100 % 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: SABHS ( 1') (H700647-14)**

| BTX 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 BTX      | <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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**Analytical Results For:**

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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: 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, 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 90.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 94.7 % 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: 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, 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 96.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 99.1 % 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  
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, 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 84.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 88.8 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

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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: SACHN ( 1') (H700647-18)**

| BTX 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 BTX      | <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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**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: SACHE ( SURFACE) (H700647-19)**

| BTX 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 BTX      | <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              | 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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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: 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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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: 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, 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 97.1 % 25.1-158

Surrogate: 1-Chlorooctadecane 97.3 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Environmental Plus, Inc.  
 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: SACHS ( 1') (H700647-22)**

| BTX 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 BTX      | <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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**Analytical Results For:**

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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: 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  |           |
| <b>Toluene*</b> | <b>0.056</b> | 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             | 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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**Analytical Results For:**

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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: SACHW ( 1' ) (H700647-24)**

| BTX 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 86.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 86.8 % 26.8-170

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**Analytical Results For:**

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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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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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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: 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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\*=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: 03/20/2017  
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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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: SADHE ( 1') (H700647-28)**

| BTX 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 BTX      | <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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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: 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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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: 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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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: SADHW ( SURFACE) (H700647-31)**

| BTX 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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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: 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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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 Environmental Plus, Inc.  
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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: 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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\*=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: 03/20/2017  
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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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: 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  
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 (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, 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 91.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 95.2 % 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: 03/20/2017  
 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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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: 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)**

| BTX 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 BTX      | <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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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 ( 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager


# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

|                     |  |                             |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
|---------------------|--|-----------------------------|--|--|--|--------------|--|------------------|--|------------|--|------------------|--|-----------|--|---------|--|--------|--|-----------|--|----------------------|--|-------|--|-----------|--|----------------------|--|-----------|--|-----------|--|------------------------------|--|---|--|---|--|------|--|-----------|--|-----|--|
| Company Name        |  | Environmental Plus, Inc.    |  | <br>Attn: Daniel Dominguez<br>P.O. Box 1558<br>Eunice, NM 88231 |  | Bill To      |  | ANALYSIS REQUEST |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| EPI Project Manager |  | Daniel Dominguez            |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| Mailing Address     |  | P.O. BOX 1558               |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| City, State, Zip    |  | Eunice New Mexico 88231     |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| EPI Phone#/Fax#     |  | 575-394-3481 / 575-394-2601 |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| Client Company      |  | Vanguard                    |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| Facility Name       |  | State V                     |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| Location            |  | UL-C Sec. 5, T17S, R37E     |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| Project Reference   |  |                             |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| EPI Sampler Name    |  | Dustin Crockett             |  |  |  |              |  |                  |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  |           |  |                      |  |           |  |           |  |                              |  |   |  |   |  |      |  |           |  |     |  |
| LAB I.D.            |  | SAMPLE I.D.                 |  | (G)RAB OR (C)OMP.  |  | # CONTAINERS |  | GROUND WATER     |  | WASTEWATER |  | SOIL             |  | CRUDE OIL |  | SLUDGE  |  | OTHER: |  | ACID/BASE |  | ICE/COOL             |  | OTHER |  | DATE      |  | TIME                 |  | BTX 8021B |  | TPH 8015M |  | CHLORIDES (Cl <sup>-</sup> ) |  | SULFATES (SO <sub>4</sub> <sup>2-</sup> ) |  | pH  |  | TCLP |  | OTHER >>> |  | PAH |  |
| 1                   |  | SAAHN (Surface)             |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:20                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 2                   |  | SAAHN (1')                  |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:25                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 3                   |  | SAHE (Surface)              |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:13                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 4                   |  | SAHE (1')                   |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:35                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 5                   |  | SAHS (Surface)              |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:40                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 6                   |  | SAHS (1')                   |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:45                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 7                   |  | SAHW (Surface)              |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:50                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 8                   |  | SAHW (1')                   |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 13:55                |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 9                   |  | SABHN (Surface)             |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 9:00                 |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| 10                  |  | SABHN (1')                  |  | G  |  | 1            |  | X                |  |            |  |                  |  |           |  |         |  |        |  |           |  |                      |  |       |  | 09-Mar-17 |  | 9:10                 |  | X         |  | X         |  | X                            |  |   |  |   |  |      |  |           |  |     |  |
| Relinquished by:    |  | Date                        |  | 3-13-17  |  | Received By: |  | Date             |  | 6:00 am    |  | Relinquished by: |  | Date      |  | 3/13/17 |  | Time   |  | 3:47 pm   |  | Sample Cool & Intact |  | Yes   |  | 4:10      |  | Sample Cool & Intact |  | No        |  | 70. #95   |  | Checked By:                  |  | 70. #95                                   |  | E-mail results to: ddominguezepi@gmail.com & cjohnston@vnrllc.com |  |      |  |           |  |     |  |
| Delivered by:       |  | Date                        |  | 3-13-17  |  | Received By: |  | Date             |  | 6:00 am    |  | Relinquished by: |  | Date      |  | 3/13/17 |  | Time   |  | 3:47 pm   |  | Sample Cool & Intact |  | Yes   |  | 4:10      |  | Sample Cool & Intact |  | No        |  | 70. #95   |  | Checked By:                  |  | 70. #95                                   |  | E-mail results to: ddominguezepi@gmail.com & cjohnston@vnrllc.com |  |      |  |           |  |     |  |



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P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

ANALYSIS REQUEST

Bill To

Environmental Plus, Inc.

Company Name

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company Vanguard

Facility Name State V

Location UL-C Sec. 5, T17S, R37E

Project Reference

EPI Sampler Name Dustin Crockett



Attn: Daniel Dominguez  
P.O. Box 1558  
Eunice, NM 88231

| EPI Sampler Name |             | Dusun Crockett    |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|------------------|-------------|-------------------|--------------|--------------|------------|------|-----------|--------|--------|----------|-----------|----------|------------|-----------|------------------------------|---|----|------|-----------|-----|-------|
| LAB I.D.         | SAMPLE I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX       |            |      |           |        |        | PRESERV. | SAMPLING  |          | BTEX 8021B | TPH 8015M | CHLORIDES (Cl <sup>-</sup> ) | SULFATES (SO <sub>4</sub> <sup>2-</sup> ) | pH | TCLP | OTHER >>> | PAH |       |
|                  |             |                   |              | GROUND WATER | WASTEWATER | SOIL | CRUDE OIL | SLUDGE | OTHER: |          | ACID/BASE | ICE/COOL |            |           |                              |   |    |      |           |     | OTHER |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |
|                  |             |                   |              |              |            |      |           |        |        |          |           |          |            |           |                              |   |    |      |           |     |       |

Sampler Relinquished:

Date 3-13-17

Time 6:00 am

Received By:

Date 3/13/17

Time 3:45 PM

Received By: (lab staff)

Date 3/13/17

Time 4:15 PM

Received By: (lab staff)

Date 3/13/17

Time 4:15 PM

Received By: (lab staff)

Date 3/13/17

Time 4:15 PM

Received By: (lab staff)

E-mail results to: ddominguezepi@gmail.com & cjohnston@vnrllc.com

NOTES:

Relinquished by:

Date 3/13/17

Time 3:45 PM

Received By: (lab staff)

Date 3/13/17

Time 3:45 PM

Received By: (lab staff)

Date 3/13/17

Time 3:45 PM

Received By: (lab staff)

Date 3/13/17

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Delivered by:

Date 4-7-17

Time 4:15 PM

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Date 4-7-17

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Delivered by:



# Environmental Plus, Inc.

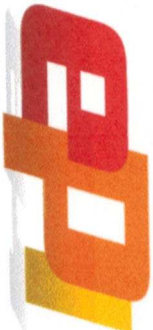
2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Bill To

ANALYSIS REQUEST



Attn: Daniel Dominguez  
P.O. Box 1558  
Eunice, NM 88231

|                     |  |                             |  |  |  |
|---------------------|--|-----------------------------|--|--|--|
| Company Name        |  | Environmental Plus, Inc.    |  |  |  |
| EPI Project Manager |  | Daniel Dominguez            |  |  |  |
| Mailing Address     |  | P.O. BOX 1558               |  |  |  |
| City, State, Zip    |  | Eunice New Mexico 88231     |  |  |  |
| EPI Phone#/Fax#     |  | 575-394-3481 / 575-394-2601 |  |  |  |
| Client Company      |  | Vanguard                    |  |  |  |
| Facility Name       |  | State V                     |  |  |  |
| Location            |  | UL-C Sec. 5, T17S, R37E     |  |  |  |
| Project Reference   |  |                             |  |  |  |
| EPI Sampler Name    |  | Dustin Crockett             |  |  |  |

| LAB I.D. | SAMPLE I.D.     | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX       |            |      |           |        |        | PRESERV. | SAMPLING | ANALYSIS REQUEST |          |       |      |      |            |           |                              |   |    |       |
|----------|-----------------|-------------------|--------------|--------------|------------|------|-----------|--------|--------|----------|----------|------------------|----------|-------|------|------|------------|-----------|------------------------------|---|----|-------|
|          |                 |                   |              | GROUND WATER | WASTEWATER | SOIL | CRUDE OIL | SLUDGE | OTHER: |          |          | ACID/BASE        | ICE/COOL | OTHER | DATE | TIME | BTEX 8021B | TPH 8015M | CHLORIDES (Cl <sup>-</sup> ) | SULFATES (SO <sub>4</sub> <sup>2-</sup> ) | pH | TCCLP |
| 21       | SACHS (Surface) | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 8:20     | X     | X    | X    |            |           |                              |   |    |       |
| 22       | SACHS (1')      | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 8:25     | X     | X    | X    |            |           |                              |   |    |       |
| 23       | SACHW (Surface) | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 8:30     | X     | X    | X    |            |           |                              |   |    |       |
| 24       | SACHW (1')      | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 8:35     | X     | X    | X    |            |           |                              |   |    |       |
| 25       | SADHN (Surface) | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 7:10     | X     | X    | X    |            |           |                              |   |    |       |
| 26       | SADHN (1')      | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 7:15     | X     | X    | X    |            |           |                              |   |    |       |
| 27       | SADHE (Surface) | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 7:20     | X     | X    | X    |            |           |                              |   |    |       |
| 28       | SADHE (1')      | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 7:25     | X     | X    | X    |            |           |                              |   |    |       |
| 29       | SADHS (Surface) | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 7:30     | X     | X    | X    |            |           |                              |   |    |       |
| 30       | SADHS (1')      | G                 | 1            |              |            | X    |           |        |        |          | X        | 09-Mar-17        | 7:35     | X     | X    | X    |            |           |                              |   |    |       |

|                       |                      |                          |   |
|-----------------------|----------------------|--------------------------|---|
| Sampler Relinquished: | Date 3-13-17         | Received By:             | E-mail results to: ddominguezepi@gmail.com & cjohnston@vnrllc.com |
| Relinquished by:      | Time 6:00 am         | Received By: (lab staff) | NOTES:  |
| Delivered by:         | Date 3/13/17         | Checked By:              |   |
|                       | Time 3:47 pm         |                          |   |
|                       | Sample Cool & Intact |                          |   |
|                       | Yes                  |                          |   |
|                       | No                   |                          |   |



# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

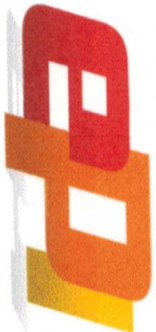
P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Bill To

ANALYSIS REQUEST



Attn: Daniel Dominguez

P.O. Box 1558

Eunice, NM 88231

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company Vanguard

Facility Name State V

Location UL-C Sec. 5, T17S, R37E

Project Reference

EPI Sampler Name Dustin Crockett

| LAB I.D. | SAMPLE I.D.     | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX       |            |      |           |        | PRESERV. | SAMPLING | DATE      | TIME | ANALYSIS REQUEST |           |                              |   |    |      |           |     |
|----------|-----------------|-------------------|--------------|--------------|------------|------|-----------|--------|----------|----------|-----------|------|------------------|-----------|------------------------------|---|----|------|-----------|-----|
|          |                 |                   |              | GROUND WATER | WASTEWATER | SOIL | CRUDE OIL | SLUDGE | OTHER:   |          |           |      | BTEX 8021B       | TPH 8015M | CHLORIDES (Cl <sup>-</sup> ) | SULFATES (SO <sub>4</sub> <sup>2-</sup> ) | pH | TCLP | OTHER >>> | PAH |
| 31       | SADHW (Surface) | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 7:40 | X                | X         | X                            |   |    |      |           |     |
| 32       | SADHW (1')      | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 7:45 | X                | X         | X                            |   |    |      |           |     |
| 33       | SAEHN (Surface) | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:15 | X                | X         | X                            |   |    |      |           |     |
| 34       | SAEHN (1')      | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:20 | X                | X         | X                            |   |    |      |           |     |
| 35       | SAEHE (Surface) | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:25 | X                | X         | X                            |   |    |      |           |     |
| 36       | SAEHE (1')      | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:30 | X                | X         | X                            |   |    |      |           |     |
| 37       | SAEHS (Surface) | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:35 | X                | X         | X                            |   |    |      |           |     |
| 38       | SAEHS (1')      | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:40 | X                | X         | X                            |   |    |      |           |     |
| 39       | SAEHW (Surface) | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:45 | X                | X         | X                            |   |    |      |           |     |
| 40       | SAEHW (1')      | G                 | 1            | X            |            |      |           |        |          | X        | 09-Mar-17 | 6:50 | X                | X         | X                            |   |    |      |           |     |

Sampler Relinquished:

Date 3-13-17

Receiver By:

Relinquished By:

Date 3/13/17

Receiver By: (lab staff)

Delivered by:

Sample Cool & Intact

Checked By:

E-mail results to: ddominguezepi@gmail.com & cjohnston@vntlc.com

NOTES:

**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<br>C | Section<br>5 | Township<br>17S | Range<br>37E | Feet from the | North/South Line | Feet from the | East/West Line | County<br>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:<br>Historic                    | Date and Hour of Discovery:<br>Historic |
| Was Immediate Notice Given?<br><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?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse:<br>Not Applicable |   |

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

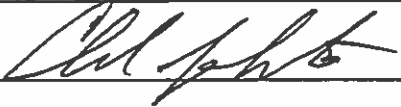

**RECEIVED**

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:  | <b>OIL CONSERVATION DIVISION</b>  |  |
| 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:<br>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