EPI LANDFARM NM1-13

MINOR MODIFICATION APPLICATION

SUBMITTED 6/7/2025

REJECTED BY OCD 7/11/2025

APPLICATION AND OCD RESPONSE

From: Kennedy, Joseph, EMNRD
To: Sherry Miller
Cc: Pat McCasland
Subject: EPI Landfarm NM1-13 Minor Modification Application Review
Date: Friday, July 11, 2025 11:31:00 AM
Attachments: EPI Minor Mod Review.pdf

Ms. Miller,

Please see the attached. The Oil Conservation Division (OCD) has completed a review of the minor modification application submitted on June 7, 2025, by Environmental Plus, Inc. (EPI) for Permit NM1-13. If you have any questions regarding this matter, please do not hesitate to contact me.

Joe Kennedy • Environmental Specialist Advanced
EMNRD - Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources Department

Albert Chang
Division Director
Oil Conservation Division

Electronic Mail Only

July 11, 2025

Sherry K. Miller
President
Environmental Plus, Inc.
PO Box 1558
Eunice, New Mexico 88231

RE: Review of Minor Modification Application from Environmental Plus Inc., Permit NM1-13

Dear Ms. Miller:

The Oil Conservation Division (OCD) has completed a review of the minor modification application submitted on June 7, 2025, by Environmental Plus, Inc. (EPI) for Permit NM1-13. The minor modification application requested modifications to the approval letter issued by the OCD to EPI on November 10, 2022, which addressed 19 minor modifications and exceptions from the minor modification application submitted on September 19, 2022.

The following are stipulations of the minor modifications approved by the OCD on November 10, 2022, for which EPI is now asking an exception or waiver to as shown in italics: note, the OCD's response to the exception or waiver request is shown in bold:

Stipulation 4: Analysis of total petroleum hydrocarbons (TPH) shall be represented as the sum of GRO, DRO and MRO (hydrocarbon chain range from C6 through C36) by EPA Method 8015M or 8015M Extended, in lieu of TPH by EPA Method 418.1, to establish background and to conduct all future vadose zone and treatment zone monitoring;

EPI requests a minor modification to Permit Stipulation #4. EPI will forgo establishing background concentrations as acceptable closure thresholds for the CoCs, relying rather, on published thresholds considered to be protective of the fresh water, public health, and the environment, i.e; Table I of 19.15.29.12 NMAC and Subsections A and B of 20.6.2.3103 NMAC determined by EPA SW-846 methods 6010B or 6020, Most Conservative NMED Soil Screening Levels from Table A-1 of the "Risk Assessment Guidance for Investigations and Remediation Volume I June 2022."

The OCD is denying this request for the following reasons:

- **Any ongoing sampling of the vadose and treatment zone must represent TPH as the sum of GRO, DRO and MRO (hydrocarbon chain range from C6 through C36) by EPA Method 8015M or 8015M Extended, in lieu of TPH by EPA Method 418.1.**

- **If EPI is requesting to use Table 1 of 19.15.29.12 NMAC instead of establishing background as comparison to vadose zone sampling results for TPH, BTEX, benzene, and chlorides, then EPI must request an exception to 19.15.36.15.E(2) NMAC.**

- **If EPI is requesting to use the most conservative NMED Soil Screening Levels (excluding Tap Water and DAF 20 values) from Table A-1 of the "Risk Assessment Guidance for Investigations and Remediation Volume I June 2022," instead of establishing background as comparison to the vadose zone and treatment zone sampling results for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC, then EPI must request an exception to 19.15.36.15.E(3) NMAC and 19.15.36.15.F(5) NMAC. Note, there is a later version of this guidance document dated November 2022. Also, the value shown for Antimony is not the most stringent value in Table A-1. The most stringent value for Antimony is 3.13E+01; EPI needs to modify Section III.EXCEPTIONS AND WAIVERS and Attachment 3 Tables to indicate the correct value.**

- **As stated in 19.15.36.15.F NMAC, "After the operator has filled a landfarm cell to the maximum thickness of two feet or approximately 3000 cubic yards per acre, the operator shall continue treatment until the contaminated soil has been remediated to the higher of the background concentrations or the following closure performance standards." The OCD will not allow values from Table I of 19.15.29.12 NMAC to replace the treatment zone closure performance standards. EPI has the option to utilize the higher of background concentrations or the established closure standards as outlined in 19.15.36.15.F NMAC. Note, an exception to, waiver of or change to a numerical standard provided in 19.15.36 NMAC would require a major modification application for the OCD's consideration.**

- **See Stipulation 16.**

Stipulation 7: Vadose zone sampling and monitoring shall be performed in accordance with 19.15.36.15.E NMAC in lieu of the NM1-013 permit requirements;

EPI requests a minor modification to Permit stipulation #7, i.e; EPI proposes confirmatory Vadose Zone closure sampling be conducted in accordance with 19.15.36.14.E.3 – Five year monitoring program with the results compared to the thresholds being proposed in the minor modification of Permit stipulation #4.

Note, the above citation for 19.15.36.14.E.3 is incorrect. The correct citation is 19.15.36.15.E.3. See OCD's response to Stipulation 4 bullet point three.

Stipulation 9: EPI shall utilize the most conservative (lowest) exposure limits of either the Risked-based SSL DAF 1 or the NMGW/MCL based SSL DAF 1 values listed in Table A-3, Summary of Soil-to- Groundwater Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments for each constituent listed in Subsections A and B of 20.6.2.3103 NMAC (except for GRO, DRO, TPH, BTEX and Chloride) to assist in the recalculation of the groundwater exposure pathway for each constituent. OCD wishes to clarify that the application of a risked based approach to change a numerical standard specified for Benzene, BTEX, GRO, DRO, TPH, and/or Chlorides, as recognized in Paragraphs (1-4) of 19.15.36.15.F NMAC, is a major modification pursuant to 19.15.36.7.B(9) NMAC and cannot be considered in a minor modification request;

EPI requests a minor modification to Permit stipulation #9, i.e; EPI proposes using the most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs), rather than Table A-3, Summary of Soil to Groundwater Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. These SSLs are being proposed in the minor modification to Permit stipulation #4.

See OCD's response to Stipulation 4 bullet point three.

Stipulation 10: EPI shall utilize a dilution attenuation factor (DAF) of 2.2 to recalculate the groundwater exposure pathway threshold values and establish acceptable SSL performance threshold concentrations for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC (except for GRO, DRO, TPH, BTEX and Chloride) rather than establish background for the constituents pursuant to 19.15.36.15.B NMAC. EPI shall compare the recalculated groundwater exposure pathway threshold values to the other applicable exposure pathway threshold values provided in Table A-1, NMED Soil Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments, to determine which of the most stringent exposure pathway threshold values should be applied for each constituent;

EPI requests a minor modification to Permit stipulation #10, i.e; EPI proposes using the most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs), rather than Table A-3, Summary of Soil to

Groundwater Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. (See Attachment 3-Tables) These SSLs are being proposed in the minor modification to Permit stipulation #4.

See OCD's response to Stipulation 4 bullet point three.

Stipulation 12: EPI shall exclude the following toxic pollutants, listed in 20.6.2.7.T(2) NMAC from the facility background demonstration required of 19.15.36.15.B NMAC, since the analytes are not considered associated with oil field waste:

- **a.** nitroaromatics and high explosives (20.6.2.7.T(2)(p)(i)-(viii) NMAC);
- **b.** Endosulfan (20.6.2.7.T(2)(t)(vi) NMAC); and
- **c.** Prometon (20.6.2.7.T(2)(t)(xi) NMAC).

EPI requests a minor modification to Permit stipulation #12, i.e; EPI proposes waiving this Permit stipulation given that, with approval of Permit modification requested in Permit stipulation #4, these constituents will no longer be relevant.

If EPI does not wish to establish background for toxic pollutants listed in 20.6.2.7.T(2) NMAC, EPI must request an exception to 19.15.36.15.B NMAC. See OCD's response to Stipulation 16.

Stipulation 13: Mercury shall be analyzed by EPA Method 7471A, in lieu of EPA Methods 6010B or 6020, to establish background and to conduct all future vadose zone and treatment zone monitoring;

EPI requests a minor modification to Permit stipulation #13,i.e; EPI proposes Permit stipulation #13 be changed to allow analysis of Mercury using EPA Methods 6010B or 6020 in addition to EPA Method 7471A.

The OCD does not understand why EPI is requesting the above minor modification given EPI has included Mercury in the request to utilize Table A-1 of the "Risk Assessment Guidance for Investigations and Remediation Volume I June 2022."

Stipulation 14: If EPI achieves the closure performance standards specified in 19.15.36.15.F NMAC, then EPI may either leave the treated soils and cell berms constructed of treated soils in place, or, with prior division approval, reuse the treated soils in an alternative manner. EPI shall include closure protocols for the sampling of the berms constructed of treatment zone soils for closure performance standards in 19.15.36.15.F NMAC in the closure and post-closure plan;

EPI requests a minor modification to Permit stipulation #14, i.e; EPI requests Permit stipulation #14 be changed to exclude 19.15.36.15.F.5, i.e.,"constituents listed in Subsection A and B of 20.6.2.3101 NMAC..."

The OCD denies this request. Treatment zone closure requires sampling for all the constituents listed in 19.15.36.15.F NMAC.

Stipulation 16: EPI shall submit a facility background sampling and analysis plan, within 30 days of receipt of this letter, to OCD for review and consideration of approval for the following constituents: GRO, DRO, MRO, BTEX, Chlorides, Combined Radium-266 and Radium-228, pH, and Sulfate.

EPI requests a minor modification to Permit stipulation #16, i.e; EPI requests Permit stipulation #16 be waived, given that closure thresholds proposed in the minor modification to Permit stipulation #4 relies on established thresholds determined to be protective of the public, fresh water, and the environment.

If EPI wishes to not establish background, EPI must request an exception to 19.15.36.15.B NMAC, 19.15.36.15.E (2) and (3) NMAC, and 19.15.36.15.F(5) NMAC. An exception request must demonstrate that the request provides equivalent protection of fresh water, public health, and the environment.

Stipulation 18: 19.15.36.18 Closure and Post Closure:
If the NMOCD declares "clean closure" is achieved, EPI requests a minor modification waiving the closure and post-closure requirements of 19.15.36.18.B – Release of financial assurance, 19.15.36.18.C – Surface waste management facility and cell closure and post closure standards, and 19.15.36.18.E – Landfarm and pond and pit post closure. The rationale being that the landfarm cells have revegetated naturally since cessation of waste receipt in 2017 and the man made berms have provided nesting sites for Burrowing Owls. The landowner wants the berms to remain in place and allow the cells to continue to revegetate naturally.

Note, this is a new exception request that was included in EPI's minor modification application submitted to the OCD on June 7, 2025. The OCD denies the above exception requests for the following reasons:

- **19.15.36.18.A(6) NMAC requires the operator to re-vegetate the site unless the OCD has approved an alternative site use plan as provided in Subsection F of 19.15.36.18 NMAC. Re-vegetation, except for landfill cells, shall consist of establishment of a vegetative cover <u>equal to seventy percent</u> of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) or scientifically documented ecological description consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. EPI has not demonstrated that this condition has been met.**

- **19.15.36.18.C(4)(e) NMAC requires that berms be removed; EPI needs to provide proof of the nesting sites for the Burrowing Owls as part of an exception request.**

As part of the minor modification application submitted to the OCD on June 7, 2025, a Sampling and Analysis Plan (SAP) was included. The OCD's comments, in bold, regarding the SAP are as follows:

TREATMENT ZONE HISTORICAL DATA
EPI stated: "Historical Treatment Zone data exists from previous sampling events which demonstrates compliance with the CoCs listed in Table 1 of 19.15.29.12 and will not be resampled. The data is summarized in Attachment 3 and the Laboratory Reports in Attachment 4".

19.15.36.15.F states "After the operator has filled a landfarm cell to the maximum thickness of two feet or approximately 3000 cubic yards per acre, the operator shall continue treatment until the contaminated soil has been remediated to the higher of the background concentrations or the following closure performance standards." The OCD will not allow values from Table I of 19.15.29.12 NMAC to replace the treatment zone closure performance standards. EPI needs to modify this section to state that the compliance demonstration is based on the closure performance standards specified in 19.15.36.15.F NMAC for benzene, BTEX, GRO and DRO, TPH, and chlorides, and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC as determined by EPA SW-846 methods 6010B or 6020 were compared to the most stringent limit in Table A-1 of the NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments, November 2022.

Note, the provided analytical data for thallium did not demonstrate compliance with the most stringent value for thallium in Table A-1 for both the treatment zone and vadose zone sampling results. The regulatory threshold in Attachment 3 was incorrectly recorded as 78.2 mg/kg. The correct limit as shown in Table A-1 is 7.82E-01 mg/kg. The analytical data showed that the reporting detection limit (RDL) was 2.0 mg/kg which is not sufficient or low enough to demonstrate compliance. EPI must address this issue prior to the OCD approving closure of the landfarm cells.

VADOSE ZONE HISTORICAL DATA AND PROPOSED SAMPLING
EPI stated: "In January of 2020, four (4) independent soil samples were collected from an interval of 3 to 4 feet below ground surface ('bgs) from each of the 15 landfarm cells…"

The above is inaccurate statement. Four independent soil samples were not collected from each of the 15 landfarm cells. EPI needs to correct this error.

EPI stated: "Even though the composite results were less than the thresholds being proposed in the minor modification, to confirm compliance, it is proposed, that EPI collect 4 (four) randomly selected independent samples from an interval of 3 to 4'bgs from each of the 6 (six) combined landfarm cells and submit them, under Chain-of Custody, for laboratory analysis separately for the CoCs of Subsections A and B of 20.6.2.3103 NMAC."

EPI incorrectly identified the number of combined landfarm cells. The presented Combined Cell Sampling, Matrix Vadose Zone Sampling Scheme shows 7 (seven) and not 6 (six) landfarm cells as part of the sampling scheme. Note, the OCD approves the sampling matrix and strongly encourages EPI to utilize an accredited lab that can test at the

appropriate detection levels (i.e., RDLs) sufficient to demonstrate compliance for all tested constituents.

PERIMETER BERM SAMPLING

EPI stated: "Perimeter Berms consists primarily of remediated soil and will be sampled and analyzed to provide data confirming compliance with the CoCs thresholds listed in Table 1 of 19.15.29.12. The Sample location maps are included in Attachment 1".

The perimeter berms must meet the treatment zone closure performance standards as outlined in 19.15.36.15.F NMAC. The OCD will not allow values from Table I of 19.15.29.12 NMAC to replace the treatment zone closure performance standards. EPI needs to modify this section to state that the compliance demonstration will be based on the closure performance standards specified in 19.15.36.15.F NMAC for benzene, BTEX, GRO and DRO, TPH, and chlorides, and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC as determined by EPA SW-846 methods 6010B or 6020 will be compared to the most stringent limit in Table A-1 of the NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments, November 2022.

ATTACHMENT 3 - ANALYTICAL RESULTS SUMMARY

The OCD believes that the column listed as "EXT DRO" is mislabeled and should be the column header for MRO. EPI needs to correct this error.

EPI needs to submit a revised minor modification application that addresses all identified issues by August 25, 2025. The revised application must be submitted as a [C-137] SWMF Minor Modification through OCD's Permitting System and include a copy of this letter. If there are any questions regarding this matter, please do not hesitate to contact me at (505) 549-5583 or via email at joseph.kennedy@emnrd.nm.gov.

Respectfully,

Joe Kennedy
Environmental Scientist Specialist - Advanced

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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For State Use Only:

Form C-137A
Revised October 11, 2022

File via OCD Permitting with any associated permit fee

APPLICATION FOR MINOR MODIFICATION TO SURFACE WASTE MANAGEMENT FACILITY

1. Operator: Environmental Plus, Inc. DBA Environmental Plus Landfarm

Address: Post Office Box 1558, Eunice, New Mexico 88231

Contact Person: Sherry K. Miller Phone: 575-390-1886

2. Location: _____/4 _____/4 Section 14 Township 22S Range 37E

3. Provide permit number NM-1-013

4. Attach a description of the proposed minor modification(s) to the surface waste management facility.

5. If the Minor Modification involves changes to a treatment, remediation, or disposal method, attach engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation, and disposal method and detailed designs of surface impoundments.

6. If the Minor Modification will affect the closure and post-closure plan, attach an updated closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health, and the environment (the closure and post closure plan shall comply with the requirements contained in 19.15.36.18 NMAC).

7. If the Minor Modification will affect the contingency plan, attach an updated contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA 1978, Sections 12-12-1 through 12-12-30, as amended (the Emergency Management Act).

8. If the Minor Modification will affect the control of run-on or run-off water at the site, attach an updated plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC.

9. If the Minor Modification will affect the best management practice plan, attach a best management practice plan to ensure protection of fresh water, public health, and the environment.

10. The division may require additional information to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health, or the environment and that the surface waste management facility will comply with division rules and orders.

11. CERTIFICATION

I hereby certify that the information submitted with this application is true, accurate, and complete to the best of my knowledge and belief.

Name: Sherry K. Miller Title: Owner

Signature: Sherry K. Miller Date: 6-7-2025

E-mail Address: Sherry.EPI@gmail.com or mccasland_67@msn.com

Environmental Plus, Inc. Landfarm
New Mexico permit #NM-1-013

OGRID 195265

Sec 14 - T22S – R37E

Lea County, New Mexico

Minor Modification
And
Closure Plan

Date: June 2025

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I. INTRODUCTION AND PURPOSE

Environmental Plus, Inc. (EPI) was formed in 1993 as a for profit corporation to provide environmental remediation and construction services to the oil & gas industry of southeast New Mexico and west Texas. The State of New Mexico Oil Conservation Division (NMOCD), on February 15, 1993, issued permit #NM-1-013 authorizing receipt of non-hazardous/non-liquid oilfield wastes. Contaminated soil was received and remediated until 2017, when the decision was made by EPI to close the business. The landfarm, even though not accepting waste, remains under permit until closure and post-closure requirements are achieved and the NMOCD vacates the permit.

This Closure Plan proposes "Minor Modifications" to the current permit and, when implemented, will provide the necessary environmental information to document successful remedial performance of the Environmental Plus, Inc. (EPI) Landfarm as permitted and historically operated. Using historical monitoring data and data generated by the proposed Sampling and Analysis Plan (SAP), EPI will confirm that the landfarm has performed as designed posing no future negative impacts to the fresh water, public health, and the environment, adequate to justify and support the decision proceeding to "post closure" of the facility by the New Mexico Oil Conservation Division (NMOCD).

II. OBJECTIVES

Identify which "Exceptions or Waivers" (in accordance with 19.15.36.19A – Exceptions and Waivers) to the current permit are necessary to accommodate application of the alternative closure protocols and thresholds for the Constituents of Concern (CoCs) listed in Table I of 19.15.29.12 and those listed in "Subsections A and B of 20.6.2.3103 NMAC shall be determined by EPA SW-846 methods 6010B or 6020 or other methods approved by the division." A Sampling and Analysis Plan (SAP) will be proposed that will provide the necessary information to demonstrate "equivalent protection of fresh water, public health, and the environment," justifying and supporting the NMOCD approval of the respective "Exceptions" in accordance with 19.15.36.19A – Exceptions and Waivers and the subsequent decision to allow EPI to proceed to Post-Closure.

Develop a Sampling and Analysis Plan (SAP) to supplement existing historical data which will collect further site characterization data to justify and support the NMOCD allowing EPI to proceed to Post-Closure.

Summarize and submit the SAP results along with historical monitoring results to the NMOCD documenting the Vadose Zone, Treatment Zone, and Berm concentrations of the Constituents of Concern (CoC) that will either, justify and support a decision by the NMOCD to approve proceeding to post-closure based on "equivalent protection of fresh water, public health, and the environment" or, require further delineation.

III. EXCEPTIONS AND WAIVERS

CURRENT PERMIT STIPULATIONS AND PROPOSED MINOR MODIFICATIONS

In response to the NMOCD letter dated June 30, 2011 titled "Compliance with the Transitional Provisions of the Surface Waste Management Facilities Rule (Rule 36) and Treatment and Vadose Monitoring Requirements Existing Landfarms," Environmental Plus, Inc. submitted a request for a C137A Minor Modification to the existing permit (NM1-013). In a letter from the NMOCD dated November 10, 2022, EPI's request was approved with the following stipulations, i.e.:

1. **EPI shall comply with all applicable requirements of the Oil and Gas Act (Chapter 70, Article 2 NMSA 1978), the existing permit NM1 - 013 as modified, the transitional provisions of 19.15.36.20 NMAC, and all conditions specified in this approval;**

   No minor modification is proposed to Permit Stipulation #1

2. **EPI shall cease the biweekly tilling in landfarm cells that the semi-annual treatment zone monitoring results of 19.15.36.15.D NMAC demonstrate that TPH does not exceed 2500 mg/kg and that the chloride concentration does not exceed 500 mg/kg if the landfarm is located where ground water is less than 100 feet but at least 50 feet below the lowest elevation at which the operator will place oil field waste;**

   No minor modification is proposed to Permit Stipulation #2

3. **Treatment zone sampling and monitoring for an additional lift shall be performed in accordance with 19.15.36.15.D NMAC in lieu of the NM1-013 permit requirements;**

   No minor modification is proposed to Permit Stipulation #3

4. **Analysis of total petroleum hydrocarbons (TPH) shall be represented as the sum of GRO, DRO and MRO (hydrocarbon chain range from C_6 through C_{36}) by EPA Method 8015M or 8015M Extended, in lieu of TPH by EPA Method 418.1, to establish background and to conduct all future vadose zone and treatment zone monitoring;**

   EPI requests a minor modification to Permit Stipulation #4.
   EPI will forgo establishing background concentrations as acceptable closure thresholds for the CoCs, relying rather, on published thresholds considered to be protective of the fresh water, public health, and the environment, i.e;

Table I of 19.15.29.12	
Constituents of Concern	**mg/Kg**
Benzene by 8021B or 8260B	10
Total BTEX by 8021B or 8260B	50.0
GRO+DRO combined fraction by 8015M	1,000
TPH (hydrocarbon chain range from C_6 - C_{36}) by 8015M Extended	2,500
Chloride by Standard Method SM4500Cl-B or EPA Method 300.1	10,000**
**Ground Water 51-100 'bgs	

Subsections A and B of 20.6.2.3103 NMAC determined by EPA SW-846 methods 6010B or 6020 Most Conservative NMED Soil Screening Levels from Table A-1 of the "Risk Assessment Guidance for Investigations and Remediation Volume I June 2022" (Attachment 3-Tables)	
Constituent of Concern	Soil Screening Levels (mg/Kg)
Antimony	1.42E+02
Arsenic	7.07E+00
Barium	4.39E+03
Beryllium	1.48E+02
Cadmium	7.05E+01
Chromium (Total)	9.66E+01
Copper	3.13E+03
Iron	5.48E+04
Lead[1]	***2.97E+01***
Manganese	4.64E+02
Mercury (elemental)	2.07E+01
Selenium	3.91E+02
Silver	3.91E+02
Thallium	7.82E-01
Zinc	2.35E+04
[1] EPA doesn't provide an exposure level for Lead in Table A-1. The calculated value being proposed is based on a previously NMOCD approved Dilution Attenuation Factor (DAF) of 2.2 for Soil Screening Level concentrations listed in Table A-3 of the Risk Assessment Guidance document.	

5. **EPI shall utilize Standard Method SM4500Cl-B, in addition to EPA Method 300.1, for chloride to establish background and to conduct all future vadose zone and treatment zone monitoring;**

No minor modification is proposed to Permit Stipulation #5.

6. **EPI shall take the vadose zone samples from soils between three and four feet below the cell's original ground surface beneath the treatment zone in each landfarm cell;**

   No minor modification is proposed to Permit Stipulation #6.

7. **Vadose zone sampling and monitoring shall be performed in accordance with 19.15.36.15.E NMAC in lieu of the NM1-013 permit requirements;**

   EPI requests a minor modification to Permit stipulation #7, i.e;
   EPI proposes confirmatory Vadose Zone closure sampling be conducted in accordance with 19.15.36.14.E.3 – Five year monitoring program with the results compared to the thresholds being proposed in the minor modification of Permit stipulation #4.

8. **EPI shall backfill sample excavations and boreholes with the excavated soils rather than with an impermeable material such as cement or bentonite;**

   No minor modification is proposed to Permit Stipulation #8.

9. **EPI shall utilize the most conservative (lowest) exposure limits of either the Risked-based SSL DAF 1 or the NMGW/MCL based SSL DAF 1 values listed in Table A-3, Summary of Soil-to-Groundwater Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments for each constituent listed in Subsections A and B of 20.6.2.3103 NMAC (except for GRO, DRO, TPH, BTEX and Chloride) to assist in the recalculation of the groundwater exposure pathway for each constituent. OCD wishes to clarify that the application of a risked based approach to change a numerical standard specified for Benzene, BTEX, GRO, DRO, TPH, and/or Chlorides, as recognized in Paragraphs (1-4) of 19.15.36.15.F NMAC, is a major modification pursuant to 19.15.36.7.B(9) NMAC and cannot be considered in a minor modification request;**

   EPI requests a minor modification to Permit stipulation #9, i.e;
   EPI proposes using the most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs), rather than Table A-3, Summary of Soil to Groundwater Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments.
   These SSLs are being proposed in the minor modification to Permit stipulation #4.

10. **EPI shall utilize a dilution attenuation factor (DAF) of 2.2 to recalculate the groundwater exposure pathway threshold values and establish acceptable SSL performance threshold**

concentrations for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC (except for GRO, DRO, TPH, BTEX and Chloride) rather than establish background for the constituents pursuant to 19.15.36.15.B NMAC. EPI shall compare the recalculated groundwater exposure pathway threshold values to the other applicable exposure pathway threshold values provided in Table A-1, NMED Soil Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments, to determine which of the most stringent exposure pathway threshold values should be applied for each constituent;

EPI requests a minor modification to Permit stipulation #10, i.e;
EPI proposes using the most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs), rather than Table A-3, Summary of Soil to Groundwater Screening Levels, from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. (See Attachment 3-Tables) These SSLs are being proposed in the minor modification to Permit stipulation #4.

11. **EPI shall combine certain landfarm cells, as proposed in the minor modification request, to the appropriate sampling size for a DAF of 2.2 for all future treatment zone and vadose zone monitoring. The combining of certain landfarm cells will result in landfarm cells being larger than five (5) acres but less than 10 acres as required of 19.15.36.7.B(6) NMAC. EPI must submit vadose zone and treatment zone sampling protocols to address the future semi-annual treatment zone sampling of 19.15.36.15.D NMAC, the semi-annual vadose sampling of 19.15.36.15.E NMAC, and the treatment zone closure sampling of 19.15.36.15.F NMAC to demonstrate that representative samples are obtained and assessed from the combined landfarm cells;**

    No minor modification is proposed to Permit Stipulation #11.

12. **EPI shall exclude the following toxic pollutants, listed in 20.6.2.7.T(2) NMAC from the facility background demonstration required of 19.15.36.15.B NMAC, since the analytes are not considered associated with oil field waste:**
    a. **nitroaromatics and high explosives (20.6.2.7.T(2)(p)(i)-(viii) NMAC);**
    b. **Endosulfan (20.6.2.7.T(2)(t)(vi) NMAC); and**
    c. **Prometon (20.6.2.7.T(2)(t)(xi) NMAC).**

    EPI requests a minor modification to Permit stipulation #12, i.e;
    EPI proposes waiving this Permit stipulation given that, with approval of Permit modification requested in Permit stipulation #4, these constituents will no longer be relevant.

13. **Mercury shall be analyzed by EPA Method 7471A, in lieu of EPA Methods 6010B or 6020, to establish background and to conduct all future vadose zone and treatment zone monitoring;**

EPI requests a minor modification to Permit stipulation #13, i.e;
EPI proposes Permit stipulation #13 be changed to allow analysis of Mercury using EPA Methods 6010B or 6020 in addition to EPA Method 7471A.

14. **If EPI achieves the closure performance standards specified in 19.15.36.15.F NMAC, then EPI may either leave the treated soils and cell berms constructed of treated soils in place, or, with prior division approval, reuse the treated soils in an alternative manner. EPI shall include closure protocols for the sampling of the berms constructed of treatment zone soils for closure performance standards in 19.15.36.15.F NMAC in the closure and post - closure plan;**

    EPI requests a minor modification to Permit stipulation #14, i.e;
    EPI requests Permit stipulation #14 be changed to exclude 19.15.36.15.F.5, i.e., "constituents listed in Subsection A and B of 20.6.2.3101 NMAC…"

15. **EPI may leave the existing roads in place after closure to accommodate access and monitor the property after closure and post-closure; and**

    No minor modification is proposed to Permit Stipulation #15.

16. **EPI shall submit a facility background sampling and analysis plan, within 30 days of receipt of this letter, to OCD for review and consideration of approval for the following constituents: GRO, DRO, MRO, BTEX, Chlorides, Combined Radium-266 and Radium-228, pH, and Sulfate.**

    EPI requests a minor modification to Permit stipulation #16, i.e;
    EPI requests Permit stipulation #16 be waived, given that closure thresholds proposed in the minor modification to Permit stipulation #4 relies on established thresholds determined to be protective of the public, fresh water, and the environment.

17. **EPI shall obtain written approval from OCD prior to implementing any changes to this approval.**

    No minor modification is proposed to Permit Stipulation #17.

18. **19.15.36.18 Closure and Post Closure:**
    If the NMOCD declares "clean closure" is achieved, EPI requests a minor modification waiving the closure and post-closure requirements of 19.15.36.18.B – Release of financial assurance, 19.15.36.18.C – Surface waste management facility and cell closure and post closure standards, and 19.15.36.18.E – Landfarm and pond and pit post closure. The rationale being that the landfarm cells have revegetated naturally since cessation of waste receipt in 2017 and the man made berms have provided nesting sites for Burrowing Owls. The landowner wants the berms to remain in place and allow the cells to continue to revegetate naturally.

IV. SAMPLING AND ANALYSIS PLAN (SAP)

This SAP will identify proposed sample locations and analytical suites sufficient to provide characterization data to show compliance with the NMOCD approved environmental thresholds for the CoCs discussed previously. No additional contaminated soil has been received since cessation of operations in 2017.

TREATMENT ZONE HISTORICAL DATA

Historical Treatment Zone data exists from previous sampling events which demonstrates compliance with the CoCs listed in Table 1 of 19.15.29.12 and will not be resampled. The data is summarized in Attachment 3 and the Laboratory Reports in Attachment 4.

VADOSE ZONE HISTORICAL DATA AND PROPOSED SAMPLING

In January of 2020, four (4) independent soil samples were collected from an interval of 3 to 4 feet below ground surface ('bgs) from each of the 15 landfarm cells and analyzed for the CoCs listed in Table 1 of 19.15.29.12, i.e., Benzene, BTEX, Gasoline and Diesel Range Organics, Total Petroleum Hydrocarbon (hydrocarbon chain range from C_6 - C_{36}) by 8015M Extended, and Chloride. Analytical results are summarized in Attachment 3 - Vadose Zone Monitoring Results and the Laboratory Reports in Attachment 4. All were less than the thresholds listed in Table 1 of 19.15.29.12.

For the CoCs of "Subsections A and B of 20.6.2.3103 NMAC shall be determined by EPA SW-846 methods 6010B or 6020 or other methods approved by the division," in January 2020, the randomly selected 4 (four) independent samples were composited for each cell rather than being analyzed separately. Even though the composite results were less than the thresholds being proposed in the minor modification, to confirm compliance, it is proposed, that EPI collect 4 (four) randomly selected independent samples from an interval of 3 to 4'bgs from each of the 6 (six) combined landfarm cells and submit them, under Chain-of Custody, for laboratory analysis separately for the CoCs of Subsections A and B of 20.6.2.3103 NMAC. Below is the proposed treatment and vadose zone sampling scheme for the combined cells and the proposed sample location maps are included in Attachment 1 and are annotated with the previous and proposed sample locations.

Combined Cell Sampling Matrix Vadose Zone Sampling Scheme

Cell	Super Cell ID	4 Discrete random samples per Cell for the **Vadose Zone** Composite Monitoring and Closure Samples (Sampling Interval 3-4 'bgs)	Combined Acres
1	1	4	5.7
2	2-4	1	5.9
3		2	
4		2	
5	5	4	4.9
6	6	4	5.8
7	7-8	2	5.6
8		2	
9	9-10	2	4.7
10		2	

Combined Cell Sampling Matrix Vadose Zone Sampling Scheme			
Cell	Super Cell ID	4 Discrete random samples per Cell for the **Vadose Zone** Composite Monitoring and Closure Samples (Sampling Interval 3-4 'bgs)	Combined Acres
11	11-15	1	5.8
12		1	
13		1	
14		1	
15		1	

Vadose Zone Sampling Protocols and Sample Handling

The approved proposed specific sample locations will be flagged prior to the sampling event. A rubber tired backhoe will be used to scrape away emplaced and remediated soil down to the interval of native soil and will then excavate a ramped trench down to approximately 5'bgs. The sample will then be collected into a clean ziplock bag from the sidewall of the excavation within the 3-4'bgs interval using a plastic or stainless steel sampling tool. The sample will then be place in a 4 oz. glass jar with a septum seal (obtained from Cardinal Laboratories in Hobbs, New Mexico) and tightly compacted, then labeled with the sampler, collection time, date, and location ID, and then placed on ice. The sample will then be transported to Cardinal Laboratories in Hobbs, New Mexico and ascensioned under Chain-of-Custody to the lab for analysis.

PERIMETER BERM SAMPLING

Perimeter Berms consists primarily of remediated soil and will be sampled and analyzed to provide data confirming compliance with the CoCs thresholds listed in Table 1 of 19.15.29.12. The Sample location maps are included in Attachment 1.

Perimeter Berm Sampling Protocols and Sample Handling

The approved proposed specific sample locations will be flagged prior to the sampling event. A 3-inch diameter hand auger will be used to collect the sample and will be advanced to the 2-3'bgs interval and the sample collected from the auger and placed in a clean ziplock bag. The sample will then be place in a 4 oz. glass jar with a septum seal (obtained from Cardinal Laboratories in Hobbs, New Mexico) and tightly compacted, then labeled with the sampler, collection time, date, and location ID, and then placed on ice. The sample will then be transported to Cardinal Laboratories in Hobbs, New Mexico and ascensioned under Chain-of-Custody to the lab for analysis.

V. QUALITY ASSURANCE

Sample integrity will be maintained and ensured in the field by using latex or nitrile rubber gloves and sampling tools that are cleaned/decontaminated prior to collecting each sample. Duplicate or Colocated field samples are not contemplated. The laboratory will provide analytical quality assurance sample data, i.e, duplicate and surrogate data, as a part of the analytical reports.

VI. REPORTING

The analytical results will be summarized and submitted to the NMOCD upon receipt. Assuming the data will support "clean closure" and subsequent transitioning to Post-Closure, EPI will petition the NMOCD to allow EPI to begin the Post-Closure phase consistent with the permit.

VII. LANDFARM DESCRIPTION

The landfarm property is owned by Environmental Plus, Inc. and located in Sections 14 and 15 of Township 22S Range 37E consisting of 15 cells ranging from 5.8 acres to 0.14 acres, total area used, i.e., including roads, buffer zones, and berms, is approximately 63 acres. Each cell is bermed to prevent run-off/run-in. An annotated site map is included as Figure 1. Oil & gas wells are located adjacent to the east and west with a plugged well located in Cell #1. The facility is also traversed by crude oil and natural gas pipelines. These installations have not interfered with landfarm operation, however, drilling and production and transportation activities and may be the source of any historical contamination that may be found. The annotated site map of Oil and Gas Wells proximal to the EPI Landfarm is included as Figure 1a.

VIII. GROUND WATER ELEVATION DETERMINATION

An unused water well north and adjacent Cell #12 along the north perimeter of the landfarm was measured on July 14, 2018 and found to have a ground water level of ~62.0 feet below ground surface ('bgs). The surface elevation extrapolated from Google Earth is 3,375 feet above mean sea level ('amsl). The calculated ground water elevation is 3,313'amsl. Area water well data from the New Mexico Office of the State Engineer are presented in Table 1 – Environmental Plus, Inc. Landfarm Local Ground Water Information and the map as Figure 2. Please note the location of well CP 00673, as shown in Figure 2 of the New Mexico Office of the State Engineer (NMOSE) area water well map as being between cell 6 and 11 is not correct, the correct location is adjacent and north of Cell 12. A note attached to the NMOSE drilling record states that the location was changed due to gas. Calculated ground water elevations for water wells west of the site in Section 15 range from 3,206'amsl to 3,328'amsl. Estimated distance from the ground surface to the ground water interface ranges from 185'bgs to 75'bgs. Well CP 00581 is located approximately 1 mile east of the EPI Landfarm well in the opposite corner of Section 14 and has a water level of 65'bgs and a calculated ground water elevation of 3,280'amsl. This data is consistent with the local southeast ground water gradient declining into Monument Draw. The EPI Landfarm is situated along the somewhat regionally subdued west rim of the Monument Draw.

The available ground water data supports the conclusion that the ground water interface underlying the EPI Landfarm is >50'bgs but <100'bgs, therefore applying a Chloride concentration threshold of no more than 500 mg/kg, consistent with NMAC 19.15.36.15.D.

IX.19.15.36.15.B – BACKGROUND TESTING

The Minor Modification will preclude establishing Background concentrations for the CoCs, however, in late 2019 and early 2020, background samples were collected outside the bermed perimeter of the landfarm in accordance with 19.15.36.15.B-Background Testing.

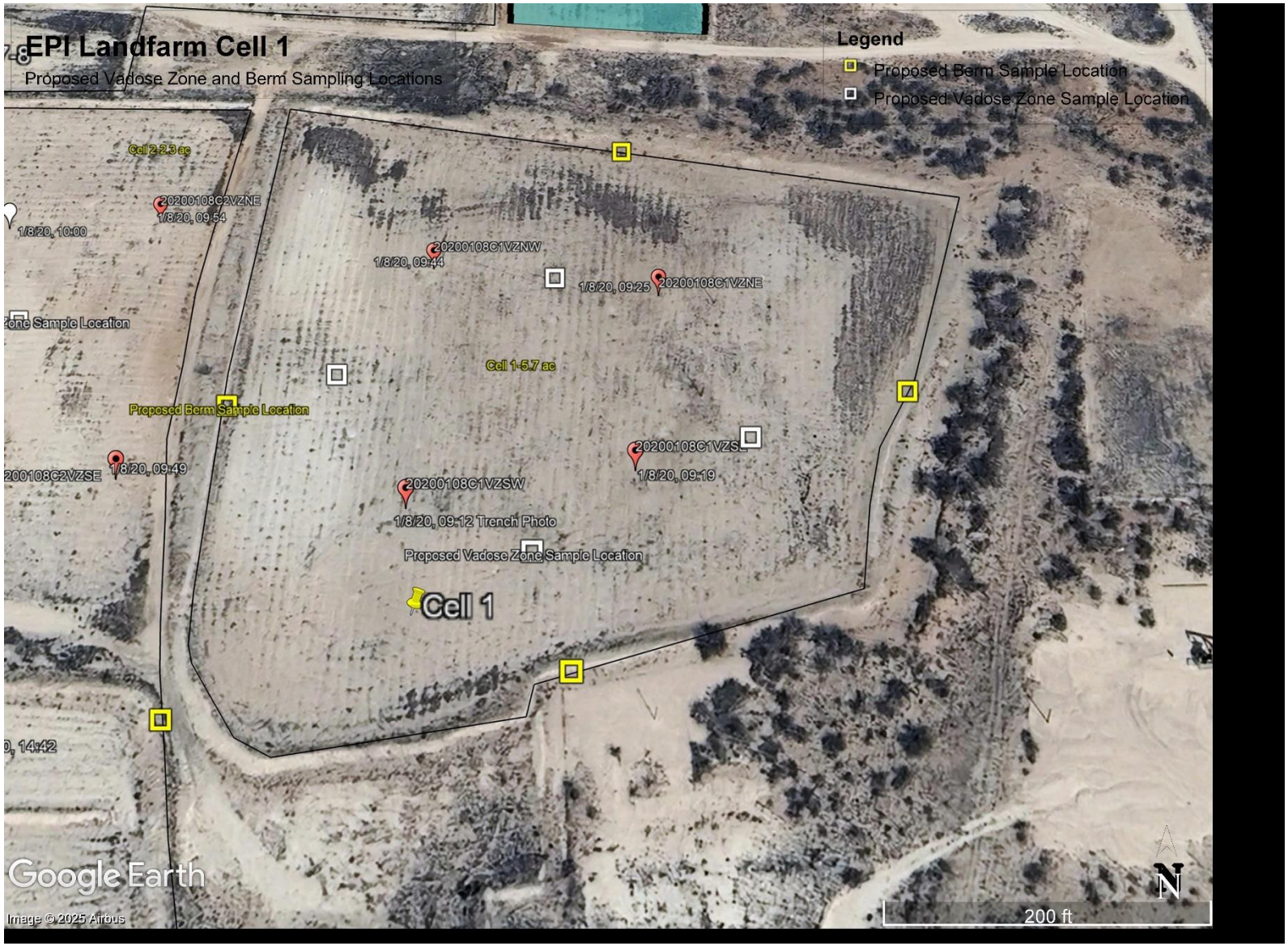
Discussion:
In 1993, the NMOCD requested a background sample be collected prior to receipt of waste. The sample was collected from "the center of the facility at a depth of about 18 inches" on August 31, 1993 and the analytical results submitted to the NMOCD on September 13, 1993. This sample, according to the sampler, was located in the center of Cell #1. The analytical suite included EPA method 418.1 for Total Petroleum Hydrocarbon (TPH) or Total Recoverable Petroleum Hydrocarbon (TRPHC), Benzene (8020), Toluene, Ethyl Benzene, Para-Xylene, Meta-Xylene, Ortho-Xylene, Total Xylene, Arsenic (As) (TCLP), Barium (Ba) (TCLP), Cadmium (Cd) (TCLP), Chromium (Cr) (TCLP), Lead (Pb) (TCLP), Mercury (Hg) (TCLP), Selenium (Se) (TCLP), Silver (Ag) (TCLP), Magnesium (CaCO3), Nitrate (NO3), Sulfate (SO4), and Chloride (Cl). Note that the metals were analyzed after undergoing the Toxicity Characteristic Leaching Procedure (TCLP), making the results not comparable to results from samples analyzed by EPA methods 6010b or 6020 not having under gone the TCLP.

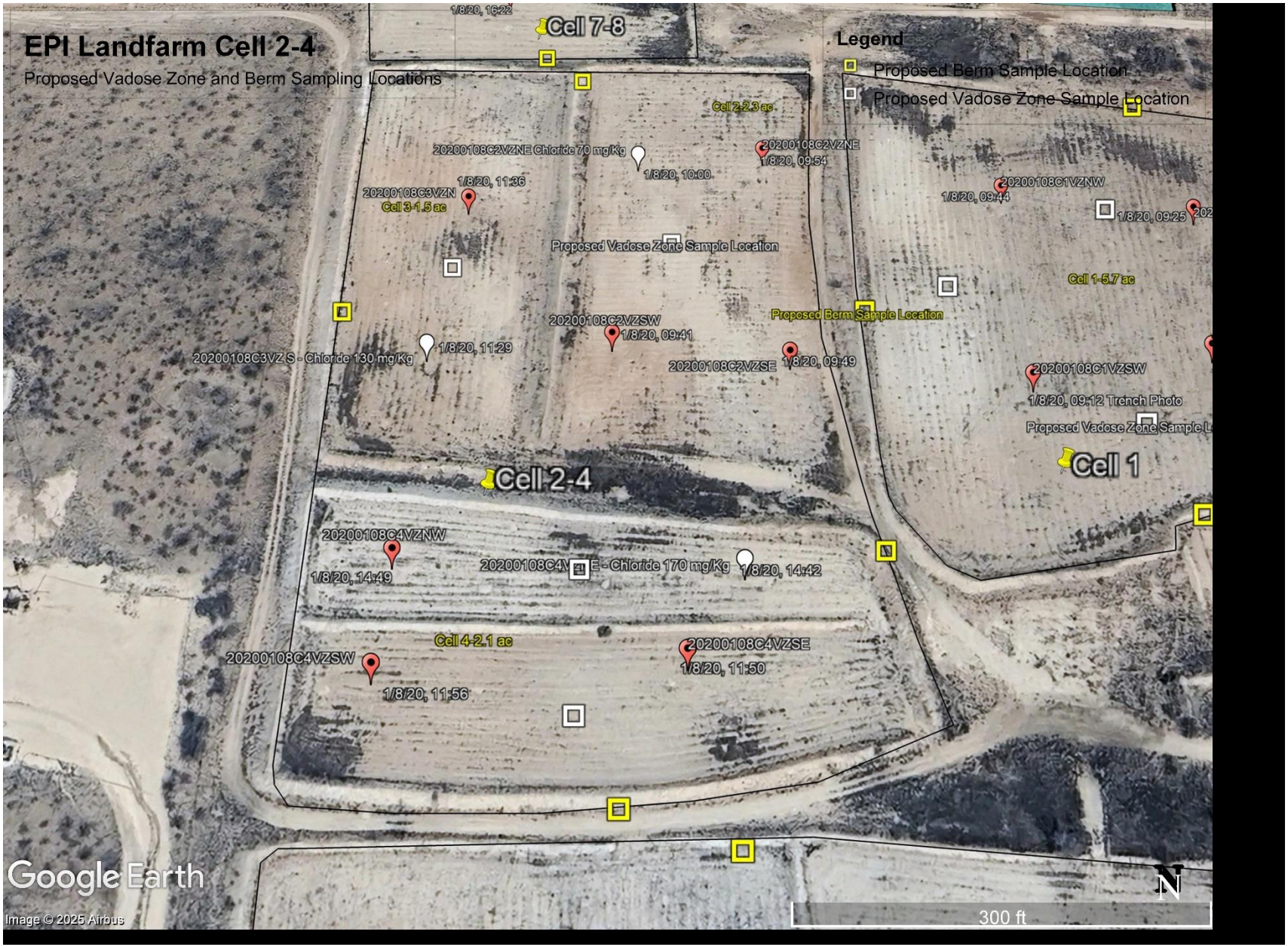
A second sample was collected at the request of the NMOCD on November 22, 1994 again from the center of Cell #1 at a depth of about 18 inches and analyzed for TPH (418.1) and BTEX. For each sample, nominal detections of TPH and BTEX were identified, however, significant Chloride concentrations were identified, i.e., 49 mg/Kg and 1,840 mg/Kg, respectively. The 1993 and 1994 background data are presented in Attachment 3 - ANALYTICAL RESULTS SUMMARY. The source of these detections are most likely residuals from historical drilling activities from the now plugged and abandoned oil well (API-30-025-2247) in the center of Cell #1. Several other oil and gas wells are located adjacent to the landfarm along with associated product handling facilities. i.e., tanks batteries and pipelines, and have been in production since the 1970s. See Figure 1a – Oil and Gas Wells proximal to the EPI Landfarm.

Preliminary Background Study:

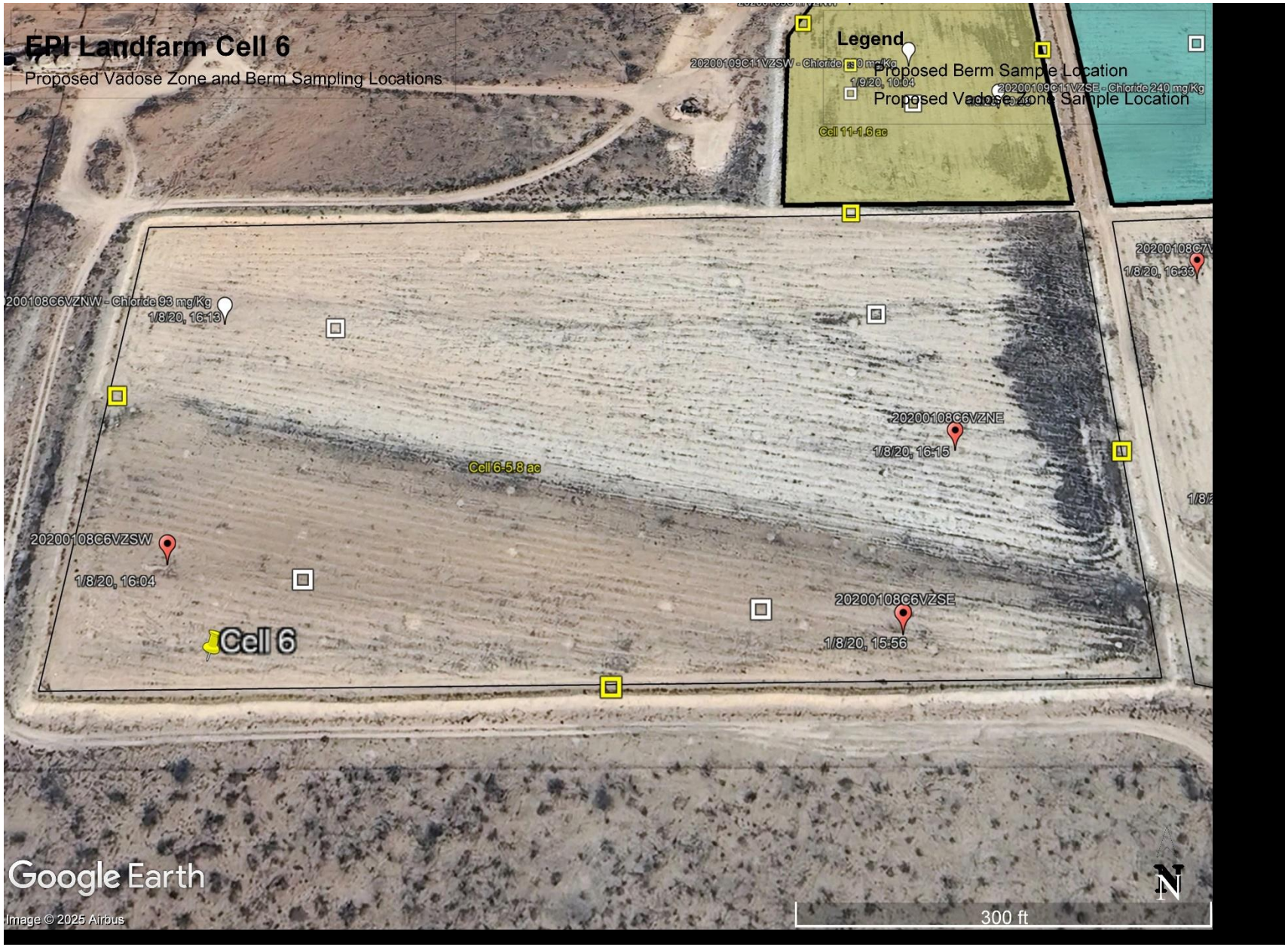
In December 2019 and again in October 2020, in a preliminary effort to assess local background concentrations and achieve the lowest "Practical Quantitation Limits (PQLs)" from the laboratory, a series of 12 composite samples, each consisting of 3 discrete samples were collected from undisturbed areas between the perimeter fence of the facility and the berms of the outer cells along the 4 cardinal radians and from the central staging area of the landfarm at an interval between 3'bgs and 4'bgs, i.e. the same interval from which the Vadose Zone samples are to be collected per rule 36. See Figure 3 – Background Composite Sample Areas. Data are presented in Attachment 3 - ANALYTICAL RESULTS SUMMARY "Environmental Plus Landfarm - Vadose Zone Background Monitoring Results." The PQLs for the Total Petroleum Hydrocarbon (TPH) components ranged from <4.7 mg/Kg to <10.0 mg/Kg and for Chloride the PQLs ranged from <3.0 mg/Kg to <60.0 mg/Kg. The assumption is that background concentrations of the anthropogenic TPH should be 0.0 mg/Kg, however, the laboratory PQLs are not sufficiently low to quantify with certainty "0.0 mg/Kg." TPH (C6-C36) was detected in the preliminary background samples collected along the east and the south facility perimeter ranging from 49.0 to 228.0 mg/Kg while BTEX compounds were not detected above the detection limits. All preliminary background samples analyzed for Chloride were less than the detection limits except for the "Center W" sample collected from the central staging area northeast of Cell #1 which was reported to have a concentration of 91 mg/Kg. No impacted soil had ever been placed in the staging area.

ATTACHMENT 1 – SAMPLE LOCATIONS MAPS


EPI Landfarm Cell 1
Proposed Vadose Zone and Berm Sampling Locations
Legend
Proposed Berm Sample Location
Proposed Vadose Zone Sample Location
Cell 2 2.3 ac
20200108C2VZNE
1/8/20, 09:54
1/8/20, 10:00
20200108C1VZNW
1/8/20, 09:44
1/8/20, 09:25
20200108C1VZNE
Cell 1 5.7 ac
Proposed Berm Sample Location
20200108C2VZSE
1/8/20, 09:49
20200108C1VZSW
1/8/20, 09:12 Trench Photo
20200108C1VZSE
1/8/20, 09:19
Proposed Vadose Zone Sample Location
Cell 1
Google Earth
Image © 2025 Airbus
200 ft
N


EPI Landfarm Cell 2-4
Proposed Vadose Zone and Berm Sampling Locations
Legend
Proposed Berm Sample Location
Proposed Vadose Zone Sample Location
Cell 7-8
Cell 2-2.3 ac
20200108C2VZNE Chloride 70 mg/Kg
1/8/20, 10:00
20200108C2VZNE
1/8/20, 09:54
20200108C3VZN
Cell 3-1.5 ac
1/8/20, 11:36
20200108C1VZNW
1/8/20, 09:44
1/8/20, 09:25
Proposed Vadose Zone Sample Location
Cell 1-5.7 ac
Proposed Berm Sample Location
20200108C2VZSW
1/8/20, 09:41
20200108C3VZ S - Chloride 130 mg/Kg
1/8/20, 11:29
20200108C2VZSE
1/8/20, 09:49
20200108C1VZSW
1/8/20, 09:12 Trench Photo
Cell 1
Cell 2-4
20200108C4VZNW
1/8/20, 14:49
20200108C4V E - Chloride 170 mg/Kg
1/8/20, 14:42
Cell 4-2.1 ac
20200108C4VZSW
1/8/20, 11:56
20200108C4VZSE
1/8/20, 11:50
Google Earth
Image © 2025 Airbus
N
300 ft


EPI Landfarm Cell 5
Proposed Vadose Zone and Berm Sampling Locations
Legend
Proposed Berm Sample Location
Proposed Vadose Zone Sample Location
20200108C4VZNW
20200108C4VZNE - Chloride 170 mg/Kg
1/8/20, 14:42
Cell 4 2.1 ac
20200108C4VZSW
1/8/20, 11:56
20200108C4VZSE
1/8/20, 11:50
20200108C5VZE
1/8/20, 12:32
20200108C5VZN - Chloride 76 mg/Kg GRO+DRO=410.0 mg/Kg 8015M Ext=1300.0 mg/Kg
1/8/20, 12:23
20200108C5VZNW2
1/8/20, 12:09
Cell 5 4.9 ac
1/8/20, 12:15
20200108C5VZSE - GRO+DRO=180.0 mg/Kg 8015M Ext=430.0 mg/Kg
Cell 5
Google Earth
Image © 2025 Airbus
200 ft


EPI Landfarm Cell 6
Proposed Vadose Zone and Berm Sampling Locations
Legend
Proposed Berm Sample Location
Proposed Vadose Zone Sample Location
Cell 11-1.6 ac
Cell 6-5.8 ac
Cell 6
202001108C6VZNW - Chloride 93 mg/Kg
1/8/20, 16:13
20200108C6VZNE
1/8/20, 16:15
20200108C6VZSW
1/8/20, 16:04
20200108C6VZSE
1/8/20, 15:56
1/8/20, 16:33
Google Earth
Image © 2025 Airbus
300 ft
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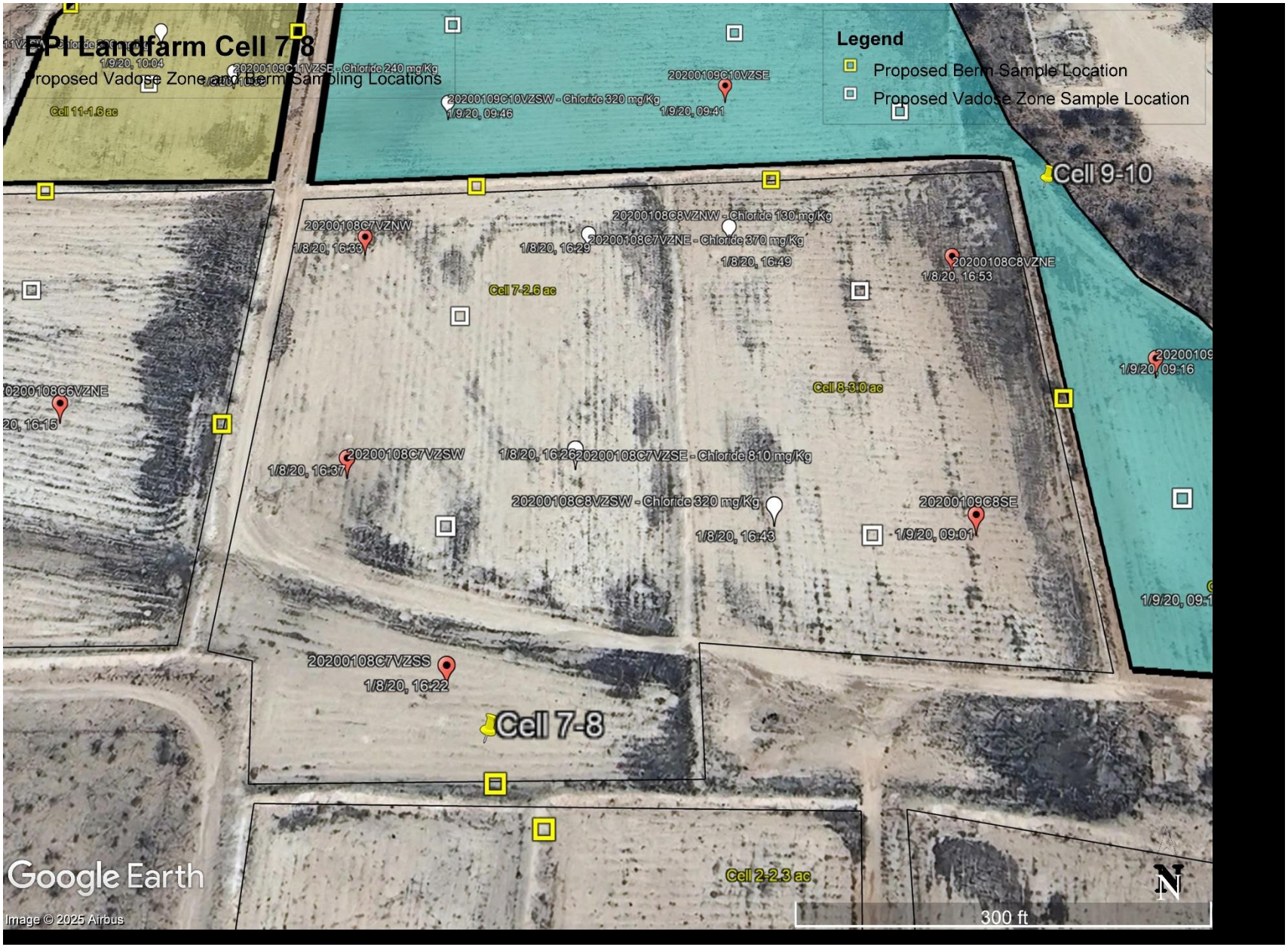
EPI Landfarm Cell 7-8
Proposed Vadose Zone and Berm Sampling Locations
Legend
Proposed Berm Sample Location
Proposed Vadose Zone Sample Location
Cell 11-1.6 ac
20200109C11VZSE - Chloride 240 mg/Kg
1/9/20, 10:04
20200109C10VZSW - Chloride 320 mg/Kg
1/9/20, 09:46
20200109C10VZSE
1/9/20, 09:41
Cell 9-10
20200108C7VZNW
1/8/20, 16:33
20200108C8VZNW - Chloride 130 mg/Kg
20200108C7VZNE - Chloride 370 mg/Kg
1/8/20, 16:29
1/8/20, 16:49
20200108C8VZNE
1/8/20, 16:53
Cell 7-2.6 ac
20200109
1/9/20, 09:16
Cell 8-3.0 ac
20200108C6VZNE
20, 16:15
20200108C7VZSW
1/8/20, 16:37
1/8/20, 16:26
20200108C7VZSE - Chloride 810 mg/Kg
20200108C8VZSW - Chloride 320 mg/Kg
1/8/20, 16:43
20200109C8SE
1/9/20, 09:01
1/9/20, 09:1
20200108C7VZSS
1/8/20, 16:22
Cell 7-8
Cell 2-2.3 ac
Google Earth
Image © 2025 Airbus
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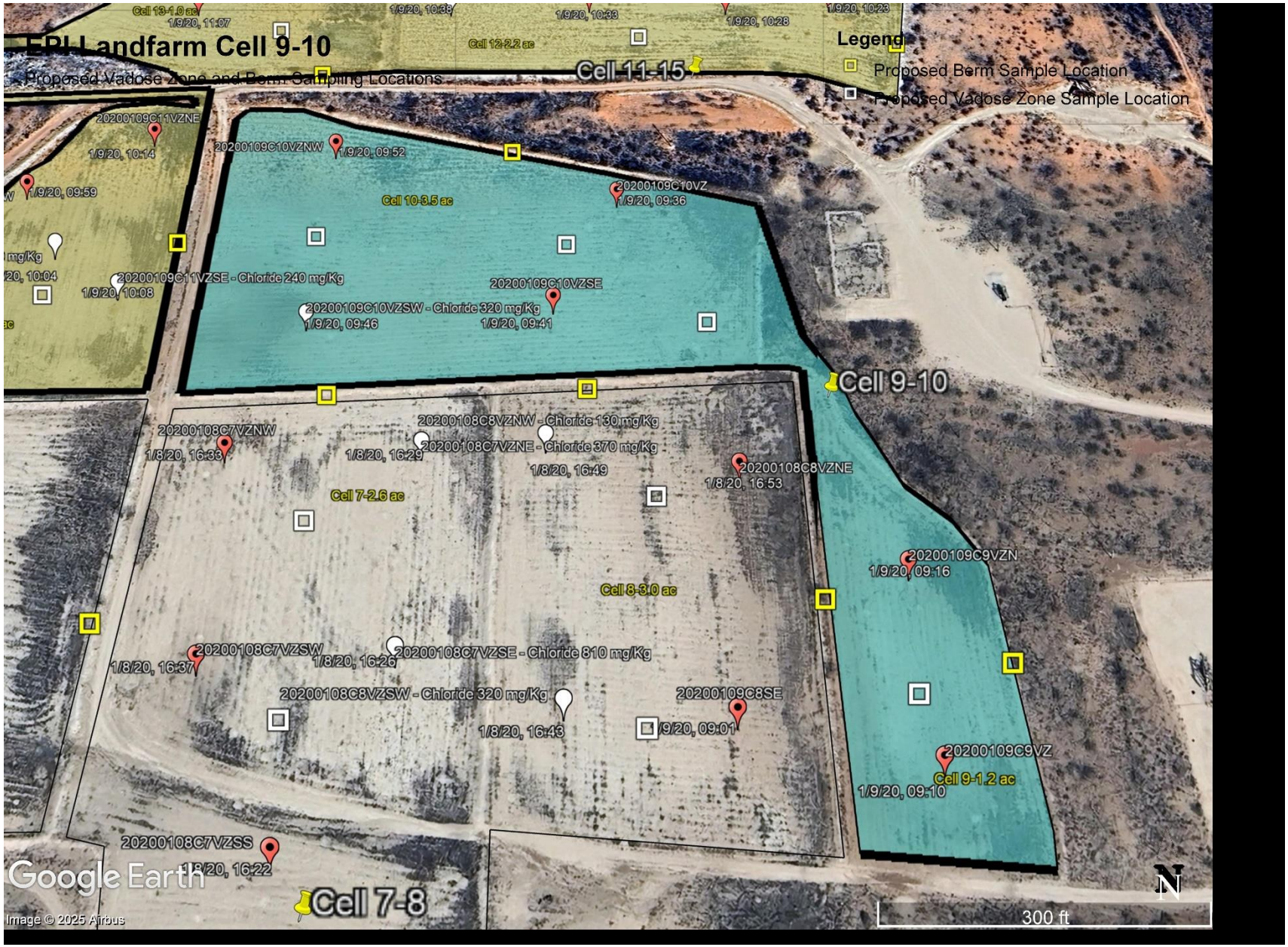
300 ft


EPI Landfarm Cell 9-10
Proposed Vadose Zone and Berm Sampling Locations
Legend
Proposed Berm Sample Location
Proposed Vadose Zone Sample Location
Cell 11-15
Cell 12-2.2 ac
Cell 13-1.0 ac
Cell 10-3.5 ac
Cell 9-10
Cell 7-2.6 ac
Cell 8-3.0 ac
Cell 9-1.2 ac
Cell 7-8
20200109C11VZNE
1/9/20, 10:14
20200109C10VZNW
1/9/20, 09:52
20200109C10VZ
1/9/20, 09:36
20200109C11VZSE - Chloride 240 mg/Kg
1/9/20, 10:08
20200109C10VZSE
20200109C10VZSW - Chloride 320 mg/Kg
1/9/20, 09:46
1/9/20, 09:41
20200108C7VZNW
1/8/20, 16:33
20200108C8VZNW - Chloride 130 mg/Kg
20200108C7VZNE - Chloride 370 mg/Kg
1/8/20, 16:29
1/8/20, 16:49
20200108C8VZNE
1/8/20, 16:53
20200109C9VZN
1/9/20, 09:16
20200108C7VZSW
1/8/20, 16:37
1/8/20, 16:26
20200108C7VZSE - Chloride 810 mg/Kg
20200108C8VZSW - Chloride 320 mg/Kg
1/8/20, 16:43
20200109C8SE
1/9/20, 09:01
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1/9/20, 09:10
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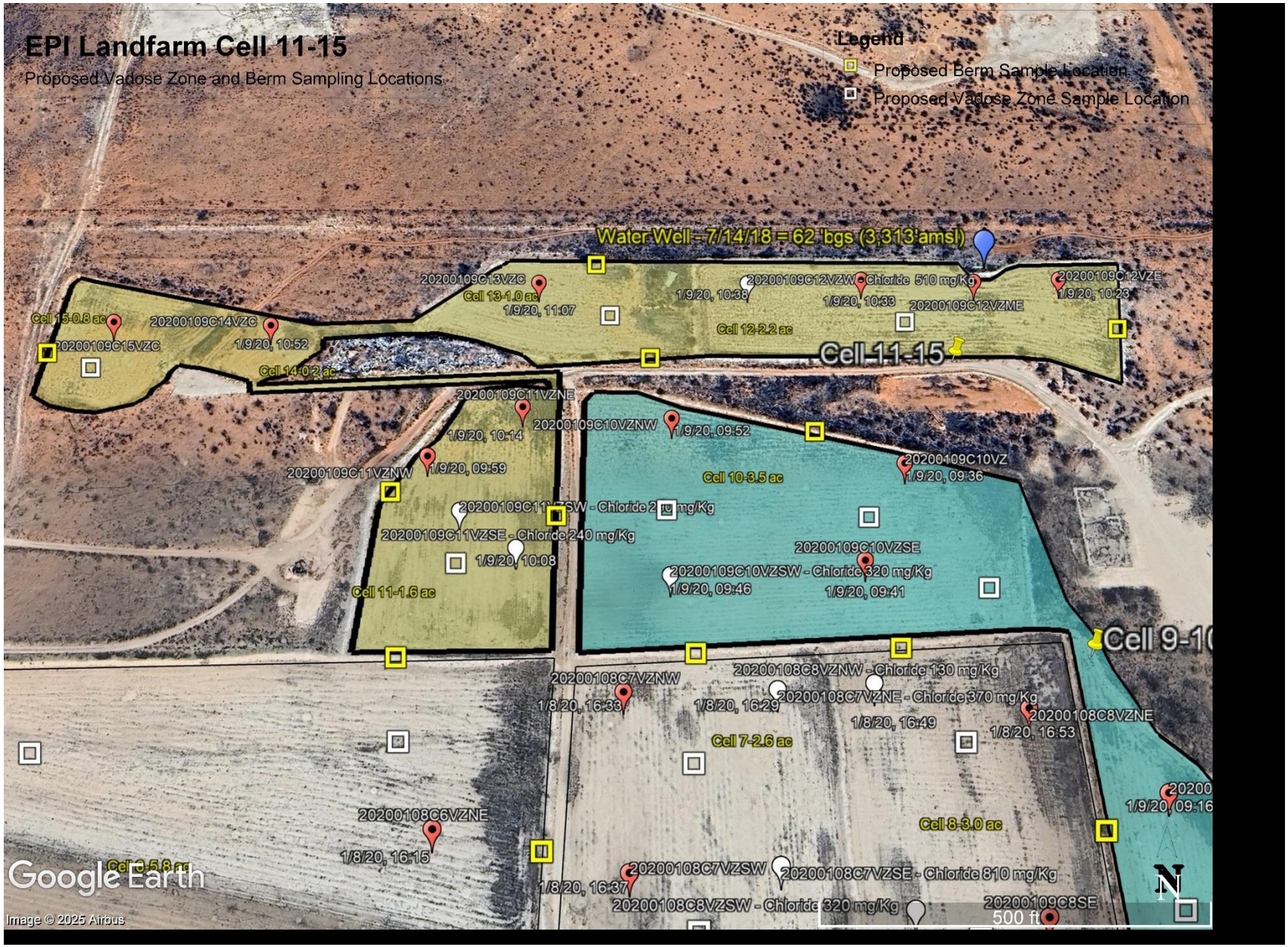

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ATTACHMENT 2 – MAPS & FIGURES

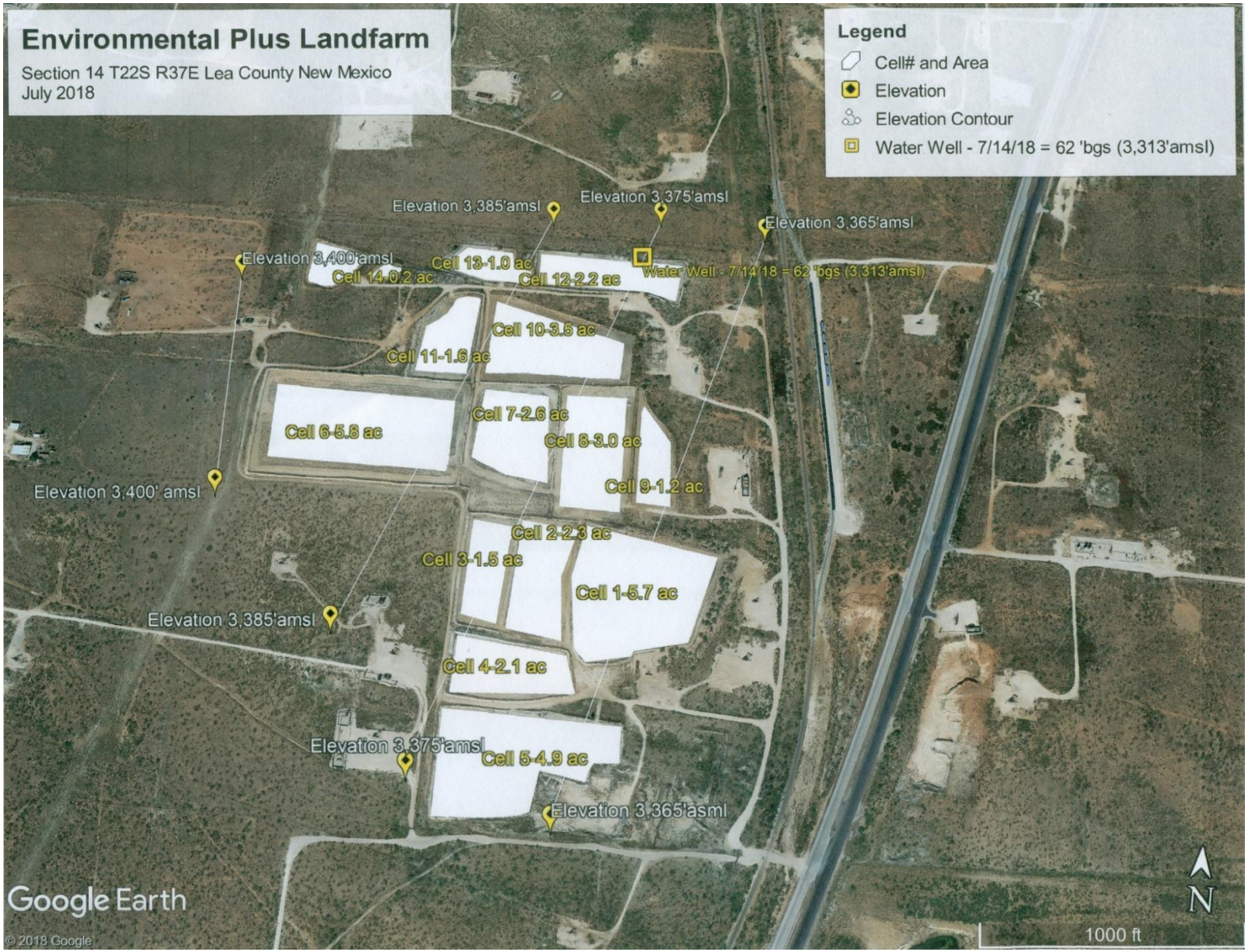
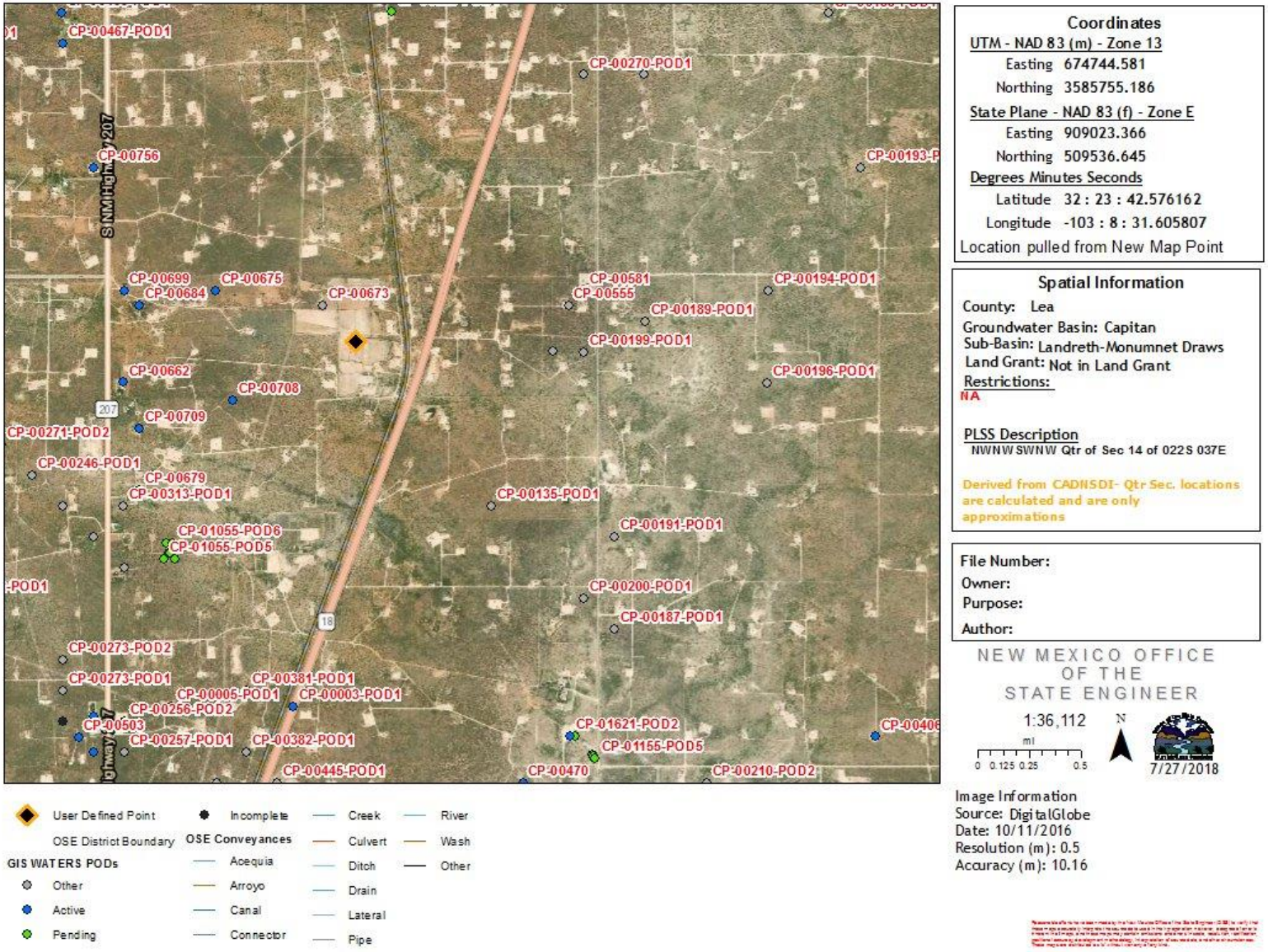


Figure 1 – EPI Landfarm Map

Figure 1a – Oil and Gas Wells proximal to the EPI Landfarm



Coordinates

UTM - NAD 83 (m) - Zone 13
Easting 674744.581
Northing 3585755.186
State Plane - NAD 83 (f) - Zone E
Easting 909023.366
Northing 509536.645
Degrees Minutes Seconds
Latitude 32 : 23 : 42.576162
Longitude -103 : 8 : 31.605807
Location pulled from New Map Point

Spatial Information

County: Lea
Groundwater Basin: Capitan
Sub-Basin: Landreth-Monumnet Draws
Land Grant: Not in Land Grant
Restrictions:
NA

PLSS Description
NWNW SWNW Qtr of Sec 14 of 022S 037E

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

File Number:
Owner:
Purpose:
Author:

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:36,112
mi
0 0.125 0.25 0.5
N
7/27/2018

Image Information
Source: DigitalGlobe
Date: 10/11/2016
Resolution (m): 0.5
Accuracy (m): 10.16

Figure 2 – Area Water Wells

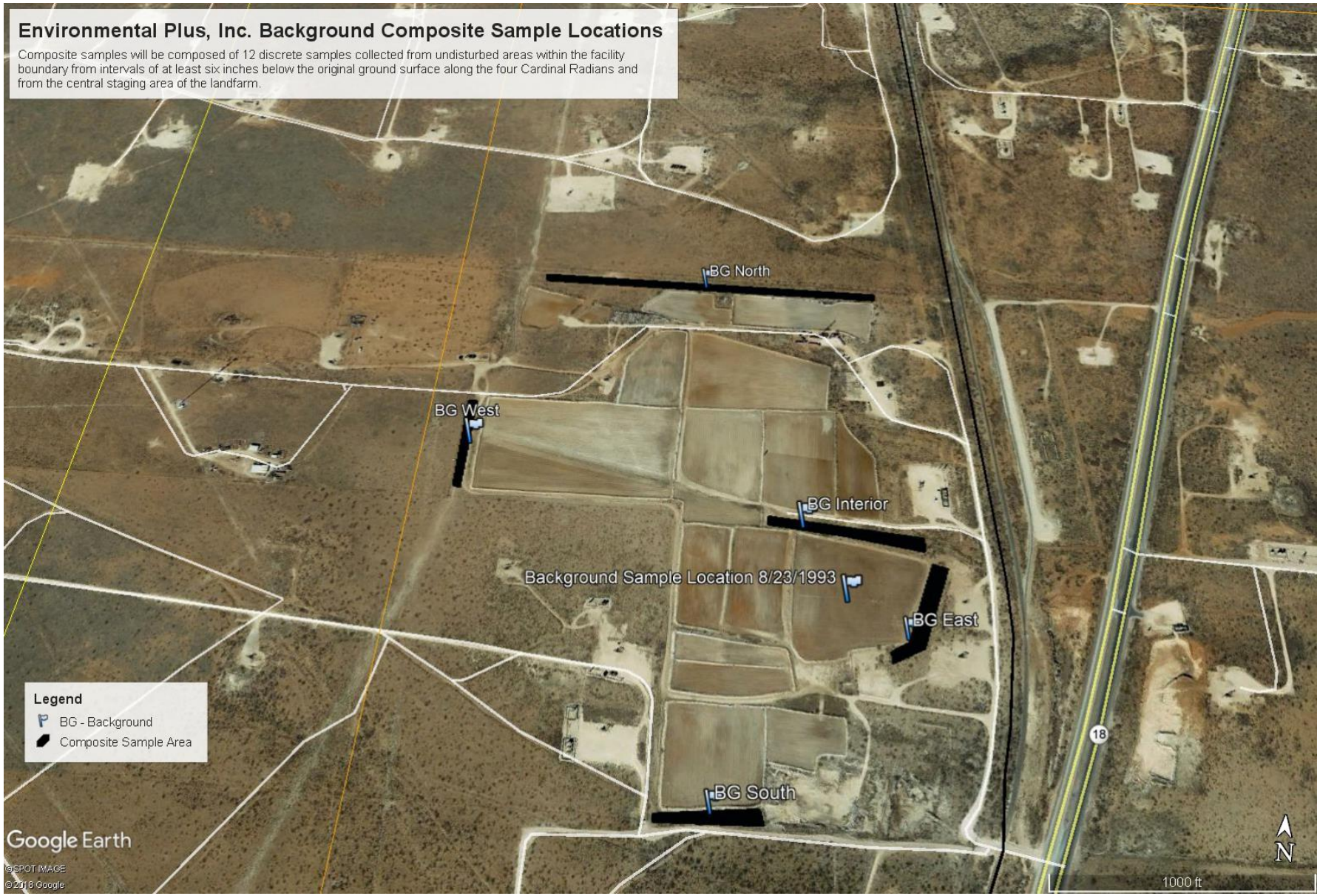


Figure 3 – Background Composite Sample Areas

ATTACHMENT 3 - TABLES

Table 1 – Ground Water Information

Environmental Plus Landfarm Local Ground Water Information																
POD[1] Number	Data Source	Date	q64	q16	q4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column	Surface Elevation[5]	Calculated Ground Water Elevation	Estimated distance from ground surface to ground water interface
											'bgs[3]	'bgs	feet	'amsl[4]	'amsl	feet
CP 00708	NMOSE[2]					15	22S	37E	673941	3585363	200	185	15	3391	3206	185
CP 00684	NMOSE			1	1	15	22S	37E	673316	3585967	200	180	20	3403	3223	180
CP 00662	NMOSE		3	3	1	15	22S	37E	673223	3585464	180	150	30	3414	3264	150
CP 00581	NMOSE	NA	2	2	2	14	22S	37E	676229	3586116	125	65	60	3345	3280	65
CP 00679	NMOSE	NA		3	3	15	22S	37E	673338	3584760	164	98	66	3400	3302	98
CP 00699	NMOSE	NA	1	1	1	15	22S	37E	673215	3586066	163	100	63	3409	3309	100
EPI Landfarm Well	Measured	7/14/2018	1	1	1	14	22S	37E	674826	3586161	104	62	42	3375	3313	62
CP 00709	NMOSE	NA		1	3	15	22S	37E	673331	3585163	200	87	113	3406	3319	87
CP 00674	NMOSE	NA		1	1	15	22S	37E	673316	3585967	100	75	25	3403	3328	75
CP 00195 POD1	NMOSE	NA	4	1	1	12	22S	37E	676602	3587532	70	NA	NA	NA	NA	NA
CP 00199 POD1	NMOSE	NA	2	4	2	14	22S	37E	676237	3585714	75	NA	NA	NA	NA	NA
CP 00313 POD1	NMOSE	NA	3	3	3	15	22S	37E	673237	3584659	100	NA	NA	NA	NA	NA
CP 00675	NMOSE	NA	2	2	1	15	22S	37E	673817	3586073	100	NA	NA	NA	NA	NA
CP 00673	NMOSE	NA		2	2	15	22S	37E	674522	3585989	NA	NA	NA	NA	NA	NA

[1] POD - Point of Diversion

[2] NMOSE - New Mexico Office of the State Engineer

[3] 'bgs - Feet below ground surface

[4] 'amsl - Feet above mean sea level

[5] Surface Elevation - Obtained from Google Earth

Table A-1: NMED Soil Screening Levels
(Risk Assessment Guidance for Investigations and Remediation Volume I June 2022)

Table A-1: NMED Soil Screening Levels
(Risk Assessment Guidance for Investigations and Remediation Volume I June 2022)

Chemical	Residential Soil, Cancer (mg/kg)	Residential Soil, Noncancer (mg/kg)	Industrial/ Occupational Soil, Cancer (mg/kg)	Industrial/ Occupational Soil, Noncancer (mg/kg)	Construction Worker Soil, Cancer (mg/kg)	Construction Worker Soil, Noncancer (mg/kg)	Tap Water, Cancer (µg/L)	Tap Water, Noncancer (µg/L)	Cw, DAF 20 (mg/kg)	Cw, DAF 1 (mg/kg)	Cw, DAF 2.2 (mg/kg)
Antimony		3.13E+01		5.19E+02		1.42E+02		7.26E+00	6.56E+00	3.28E-01	
Arsenic	7.07E+00	1.30E+01	3.59E+01	2.08E+02	2.16E+02	4.12E+01	8.55E-01	3.55E+00	5.83E+00	2.92E-01	
Barium		1.56E+04		2.55E+05		4.39E+03		3.28E+03	2.70E+03	1.35E+02	
Beryllium	6.44E+04	1.56E+02	3.13E+05	2.58E+03	2.71E+03	1.48E+02		1.24E+01	1.96E+02	9.79E+00	
Cadmium	8.59E+04	7.05E+01	4.17E+05	1.11E+03	3.61E+03	7.21E+01		6.24E+00	9.39E+00	4.69E-01	
Chromium (Total)	9.66E+01	4.52E+04	5.05E+02	3.14E+05	4.68E+02	1.34E+02	5.70E+00	1.17E+04	2.05E+05	1.03E+04	
Copper		3.13E+03		5.19E+04		1.42E+04		7.90E+02	9.15E+02	4.57E+01	
Iron		5.48E+04		9.08E+05		2.48E+05		1.38E+04	6.96E+03	3.48E+02	
Lead									2.70E+02	1.35E+01	2.97E+01
Lead (tetraethyl-)		6.16E-03		9.16E-02		3.54E-02		1.24E-03	9.41E-05	4.70E-06	
Manganese		1.05E+04		1.60E+05		4.64E+02		2.02E+03	2.63E+03	1.31E+02	
Mercury (elemental)		2.38E+01		1.12E+02		2.07E+01		6.26E-01	2.09E+00	1.04E-01	
Selenium		3.91E+02		6.49E+03		1.75E+03		9.87E+01	1.02E+01	5.11E-01	
Silver		3.91E+02		6.49E+03		1.77E+03		8.12E+01	1.38E+01	6.88E-01	
Thallium		7.82E-01		1.30E+01		3.54E+00		1.97E-01	2.85E+00	1.42E-01	
Zinc		2.35E+04		3.89E+05		1.06E+05		5.96E+03	7.41E+03	3.71E+02	

Yellow highlite indicates the most conservative Soil Screening Levels (SSL) for the respective Constituent of Concern.

Lead SSL: The EPA doesn't provide an exposure level for Lead in Table A-1. The calculated value being proposed is based on a previously NMOCD approved Dilution Attenuation Factor (DAF) of 2.2 for concentrations listed in Table A-3 of the Risk Assessment Guidance document.

ATTACHMENT 3 - ANALYTICAL RESULTS SUMMARY

Environmental Plus Landfarm - Vadose Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
1	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
1	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	0.011	<0.005	0.011	0.022	na
1	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
1	20200108C1VZ SW	1/8/20	3-4	<4.9	<9.9	<9.9	<49	<49	<0.025	<0.049	<0.049	- -	- -	- -	<0.098	<0.221	na
1	20200108C1VZ SE	1/8/20	3-4	<4.9	<9.3	<9.3	<47	<47	<0.024	<0.049	<0.049	- -	- -	- -	<0.097	<0.219	na
1	20200108C1VZ NE	1/8/20	3-4	<4.9	<10.0	<10.0	<50	<50	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.222	na
1	20200108C1VZ NW	1/8/20	3-4	<4.8	<9.9	<9.9	<49	<49	<0.024	<0.048	<0.048	- -	- -	- -	<0.097	<0.217	na
1	20200108C1VZ COMP	1/8/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
2	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
2	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
2	20200108C2VZ SW	1/8/20	3-4	<4.7	<9.8	<9.8	<49	<49	<0.024	<0.047	<0.047	- -	- -	- -	<0.095	<0.213	na
2	20200108C2VZ SE	1/8/20	3-4	<5.0	<9.7	<9.7	<49	<49	<0.025	<0.050	<0.050	- -	- -	- -	<0.099	<0.224	na
2	20200108C2VZ NE	1/8/20	3-4	<4.8	<9.9	<9.9	<50	<50	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na
2	20200108C2VZ NW	1/8/20	3-4	<4.7	<9.9	<9.9	<50	<50	<0.024	<0.047	<0.047	- -	- -	- -	<0.095	<0.213	na
2	20200108C2VZ COMP	1/8/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
3	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
3	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
3	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
3	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
3	20200108C3VZ S	1/8/20	3-4	<4.9	<9.2	<9.2	<46	<46	<0.024	<0.049	<0.049	- -	- -	- -	<0.098	<0.220	na
3	20200108C3VZ N	1/8/20	3-4	<4.9	<9.7	<9.7	<48	<48	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.222	na
3	20200108C3VZ COMP	1/8/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
4	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
4	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na			na
4	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
4	20200108C4VZ SE	1/8/20	3-4	<5.0	<9.5	<9.5	<47	<47	<0.025	<0.050	<0.050	- -	- -	- -	<0.099	<0.224	na
4	20200108C4VZ SW	1/8/20	3-4	<4.9	<9.6	<9.6	<48	<48	<0.024	<0.047	<0.047	- -	- -	- -	<0.098	<0.216	na
4	20200108C4VZ NW	1/8/20	3-4	<5.0	<9.2	<9.2	<46	<46	<0.025	<0.050	<0.050	- -	- -	- -	<0.099	<0.224	na
4	20200108C4VZ NE	1/8/20	3-4	<4.9	<9.5	<9.5	<47	<47	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.222	na
4	20200108C4VZ COMP	1/8/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
5	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
5	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
5	20200108C5VZ NW	1/8/20	*	<4.8	67.0	67.0	200.0	267.0	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
5	20200108C5VZ SE	1/8/20	*	<4.9	180.0	180.0	430.0	610.0	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.222	na
5	20200108C5VZ N	1/8/20	*	<4.8	410.0	410.0	1300.0	1710.0	<0.024	<0.048	<0.048	- -	- -	- -	<0.097	<0.217	na
5	20200108C5VZ E	1/8/20	*	<4.7	<9.2	<9.2	<46	<46	<0.024	<0.047	<0.047	- -	- -	- -	<0.095	<0.213	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
5	20200108C5VZ COMP	1/8/20	*	na	na	na	<48	<48	na	na	na	na	na	na	na	na	na
6	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
6	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
6	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
6	20200108C6VZ SE	1/8/20	3-4	<4.9	<9.2	<9.2	na	na	<0.025	<0.049	<0.049	- -	- -	- -	<0.097	<0.217	na
6	20200108C6VZ SW	1/8/20	3-4	<5.0	<9.8	<9.8	<47	<47	<0.025	<0.050	<0.050	- -	- -	- -	<0.10	<0.225	na
6	20200108C6VZ NW	1/8/20	3-4	<4.7	<8.9	<8.9	<48	<48	<0.023	<0.047	<0.047	- -	- -	- -	<0.094	<0.211	na
6	20200108C6VZ NE	1/8/20	3-4	<4.9	<9.9	<9.9	<46	<46	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.219	na
6	20200108C6VZ COMP	1/8/20	3-4	na	na	na	<47	<47	na	na	na	na	na	na	na	na	na
7	- -	11/27/00	2	na	na	na	na	na	<0.05	<0.05	<0.05	na	na	na	<0.05	<0.05	na
7	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
7	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
7	20200108C7VZ SS	1/8/20	3-4	<4.7	<8.3	<8.3	na	na	<0.023	<0.047	<0.047	- -	- -	- -	<0.094	<0.211	na
7	20200108C7VZ SE	1/8/20	3-4	<4.7	<9.5	<9.5	<48	<48	<0.024	<0.047	<0.047	- -	- -	- -	<0.094	<0.212	na
7	20200108C7VZ NE	1/8/20	3-4	<4.7	<9.5	<9.5	<48	<48	<0.024	<0.047	<0.047	- -	- -	- -	<0.094	<0.212	na
7	20200108C7VZ NW	1/8/20	3-4	<4.7	<8.9	<8.9	<44	<44	<0.023	<0.047	<0.047	- -	- -	- -	<0.094	<0.211	na
7	20200108C7VZ SW	1/8/20	3-4	<4.9	<8.9	<8.9	<45	<45	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.219	na
7	20200108C7VZ COMP	1/8/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
8	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
8	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
8	20200108C8VZ SW	1/8/20	3-4	<4.8	<10.0	<10.0	<50	<50	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
8	20200108C8VZ NW	1/8/20	3-4	<4.8	<9.2	<9.2	<46	<46	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na
8	20200108C8VZ NE	1/8/20	3-4	<4.7	<9.6	<9.6	<48	<48	<0.023	<0.047	<0.047	- -	- -	- -	<0.093	<0.210	na
8	20200109C8VZ SE	1/9/20	3-4	<4.8	<10.0	<10.0	<50	<50	<0.024	<0.048	<0.048	- -	- -	- -	<0.097	<0.217	na
8	20200109C8VZ COMP	1/9/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
9	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
9	20200109C9VZ S	1/9/20	3-4	<4.9	<9.4	<9.4	<47	<47	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.219	na
9	20200109C9VZ N	1/9/20	3-4	<4.8	<9.5	<9.5	<47	<47	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
9	20200109C8VZ COMP	1/9/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
10	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
10	20200109C10VZ NW	1/9/20	3-4	<4.8	<9.7	<9.7	<48	<48	<0.024	<0.048	<0.048	- -	- -	- -	<0.097	<0.217	na
10	20200109C10VZ NE	1/9/20	3-4	<4.9	<9.6	<9.6	<48	<48	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.219	na
10	20200109C10VZ SE	1/9/20	3-4	<4.8	<9.8	<9.8	<49	<49	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
10	20200109C10VZ SW	1/9/20	3-4	<4.8	<9.9	<9.9	<50	<50	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na
10	20200109C10VZ COMP	1/9/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
11	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
11	20200109C11VZ NW	1/9/20	3-4	<4.8	<9.8	<9.8	<49	<49	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
11	20200109C11VZ SW	1/9/20	3-4	<4.8	<9.9	<9.9	<49	<49	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
11	20200109C11VZ SE	1/9/20	3-4	<4.8	<9.1	<9.1	<45	<45	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na
11	20200109C11VZ NE	1/9/20	3-4	<4.8	<9.7	<9.7	<49	<49	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
11	20200109C11VZ COMP	1/9/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	- -	11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	P with M	<0.01	<0.005	<0.01	<0.005	na
12	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002
12	20200109C12VZ E	1/9/20	3-4	<4.8	<9.6	<9.6	<48	<48	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na
12	20200109C12VZ ME	1/9/20	3-4	<4.9	<9.8	<9.8	<49	<49	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.219	na
12	20200109C12VZ MW	1/9/20	3-4	<4.8	<9.7	<9.7	<48	<48	<0.024	<0.048	<0.048	- -	- -	- -	<0.096	<0.216	na
12	20200109C12VZ W	1/9/20	3-4	<4.9	<9.3	<9.3	<47	<47	<0.025	<0.049	<0.049	- -	- -	- -	<0.098	<0.218	na
12	20200109C12VZ COMP	1/9/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
13	- -	11/5/04	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na
13	- -	5/25/05	2	<10.0	<10.0	<10.0	na	na	<.002	<.002	<.002	na	na	na	<.006	<.002	<.002

Environmental Plus Landfarm - Vadose Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
13	20200109C13VZ C	1/9/20	3-4	<4.8	<9.8	<9.8	<49	<49	<0.024	<0.048	<0.048	- -	- -	- -	<0.097	<0.217	na
14	20200109C14VZ C	1/9/20	3-4	<4.9	<9.6	<9.6	<48	<48	<0.025	<0.049	<0.049	- -	- -	- -	<0.099	<0.219	na
15	20200109C15VZ C	1/9/20	3-4	<4.8	<9.4	<9.4	<47	<47	<0.024	<0.048	<0.048	- -	- -	- -	<0.095	<0.215	na
13	20200109C131415VZ COMP	1/9/20	3-4	na	na	na	na	na	na	na	na	na	na	na	na	na	na
[1]Regulatory Thresholds						**1000**		**2500**	**10**							**50**	

na - not analyzed 'bgs - feet below ground surface
[1]CoCs listed in Table 1 of 19.15.29.12.E.2 (51 feet-100 feet bgs)

Environmental Plus Landfarm - Vadose Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
1	- -	11/27/00	2	na	na	0.01	2.12	na	<0.002	<0.006	na	na	<0.005	na	<0.0004	<0.01	na	<0.005	na
1	- -	11/11/03	2	na	na	<0.02	1.0	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
1	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
1	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20200108C1VZ SW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20200108C1VZ SE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20200108C1VZ NE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20200108C1VZ NW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20200108C1VZ COMP	01/08/20	3-4	na	<5.1	<5.1	320	<0.30	<0.20	3.0	1.4	3300	<0.51	22	<0.033	<5.1	<2.00	2.6	6
2	- -	11/27/00	2	na	na	0.02	1.75	na	<0.002	<0.006	na	na	<0.005	na	<0.0002	<0.01	na	<0.005	na
2	- -	11/11/03	2	na	na	<0.02	1.3	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
2	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
2	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20200108C2VZ SW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20200108C2VZ SE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20200108C2VZ NE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20200108C2VZ NW	01/08/20	3-4	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20200108C2VZ COMP	01/08/20	3-4	na	<5.1	<5.1	170	0.37	<0.20	5.1	3	6100	0.75	74	<0.033	<5.1	<2.00	0.85	13
3	- -	11/27/00	2	na	na	0.21	0.866	na	<0.004	<0.012	na	na	0.02	na	<0.0002	<0.01	na	<0.005	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
3	- -	11/11/03	2	na	na	<0.02	1.1	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
3	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
3	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
3	20200108C3VZ S	01/08/20	3-4	130	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
3	20200108C3VZ N	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
3	20200108C3VZ COMP	01/08/20	3-4	na	<5.1	<5.1	420	<0.30	<0.20	2.2	2	2600	<0.51	20	<0.033	<5.1	<2.00	2.6	<5.1
4	- -	11/27/00	2	na	na	<0.02	1.53	na	<0.004	<0.012	na	na	<0.01	na	<0.0002	<0.02	na	<0.01	na
4	- -	11/11/03	2	na	na	<0.02	1.4	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
4	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
4	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20200108C4VZ SE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20200108C4VZ SW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20200108C4VZ NW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20200108C4VZ NE	01/08/20	3-4	170	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20200108C4VZ COMP	01/08/20	3-4	na	<5.0	<5.0	170	0.35	<0.20	4.8	2.7	5600	1.3	72	<0.034	<5.0	<2.00	0.94	13
5	- -	11/27/00	2	na	na	0.05	1.56	na	<0.004	<0.012	na	na	<0.01	na	<0.0002	<0.02	na	<0.01	na
5	- -	11/11/03	2	na	na	<0.02	1.0	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
5	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
5	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	20200108C5VZ NW	01/08/20	*	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	20200108C5VZ SE	01/08/20	*	<59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	20200108C5VZ N	01/08/20	*	76	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
5	20200108C5VZ E	01/08/20	*	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	20200108C5VZ COMP	01/08/20	*	na	<5.0	<5.0	210	0.3	<0.20	4.3	3.8	5000	23	53	<0.033	<5.0	<2.00	1.5	13
6	- -	11/27/00	2	na	na	0.04	1.19	na	<0.004	<0.012	na	na	<0.01	na	<0.0002	<0.02	na	<0.01	na
6	- -	11/11/03	2	na	na	<0.02	<0.1	na	<0.02	<0.02	na	na	<0.05	na	0.0003	<0.05	na	<0.04	na
6	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
6	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20200108C6VZ SE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20200108C6VZ SW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20200108C6VZ NW	01/08/20	3-4	93	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20200108C6VZ NE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20200108C6VZ COMP	01/08/20	3-4	na	<5.1	<5.1	330	<0.30	<0.20	2.7	1.6	3300	<0.51	22	<0.033	7.5	<2.00	2.7	6.8
7	- -	11/27/00	2	na	na	0.03	1.32	na	<0.004	<0.012	na	na	<0.01	na	<0.0002	<0.02	na	<0.01	na
7	- -	11/11/03	2	na	na	<0.02	<0.1	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
7	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
7	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20200108C7VZ SS	01/08/20	3-4	<59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20200108C7VZ SE	01/08/20	3-4	810	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20200108C7VZ NE	01/08/20	3-4	370	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20200108C7VZ NW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20200108C7VZ SW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20200108C7VZ COMP	01/08/20	3-4	na	<5.0	<5.0	77	0.45	<0.20	7.3	3	8700	0.55	88	<0.033	<5.0	<2.00	<0.50	18

Environmental Plus Landfarm - Vadose Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
8	- -	11/11/03	2	na	na	<0.02	1.2	na	<0.02	<0.02	na	na	<0.05	na	0.0006	<0.05	na	<0.04	na
8	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
8	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20200108C8VZ SW	01/08/20	3-4	320	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20200108C8VZ NW	01/08/20	3-4	130	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20200108C8VZ NE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20200108C8VZ SE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20200108C8VZ COMP	01/08/20	3-4	na	<4.9	<4.9	44	0.65	<0.20	10.0	1.5	12000	0.52	73	<0.033	<4.9	<2.00	<0.49	24
9	- -	11/11/03	2	na	na	<0.02	1.2	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
9	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
9	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	20200108C9VZ S	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	20200108C9VZ N	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	20200108C8VZ COMP	01/08/20	3-4	na	<4.8	<4.8	72	0.69	<0.19	9.9	1.9	12000	0.55	71	<0.033	<4.8	<2.00	<0.48	23
10	- -	11/11/03	2	na	na	<0.02	1.2	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
10	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
10	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	20200108C10VZ NW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	20200108C10VZ NE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	20200108C10VZ SE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	20200108C10VZ SW	01/08/20	3-4	320	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
10	20200108C10VZ COMP	01/08/20	3-4	na	<4.9	<4.9	84	0.83	<0.20	13.0	2.7	15000	<0.49	83	<0.033	<4.9	<2.00	<0.49	31
11	- -	11/11/03	2	na	na	<0.02	<0.1	na	<0.02	<0.02	na	na	<0.05	na	<0.0002	<0.05	na	<0.04	na
11	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
11	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20200108C11VZ NW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20200108C11VZ SW	01/08/20	3-4	290	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20200108C11VZ SE	01/08/20	3-4	240	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20200108C11VZ NE	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20200108C11VZ COMP	01/08/20	3-4	na	<4.9	<4.9	53	0.67	<0.20	11.0	3.2	12000	<0.49	92	<0.033	<4.9	<2.00	<0.49	27
12	- -	11/11/03	2	na	na	<0.02	<0.1	na	<0.02	<0.02	na	na	<0.05	na	0.0005	<0.05	na	<0.04	na
12	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
12	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20200108C12VZ E	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20200108C12VZ ME	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20200108C12VZ MW	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20200108C12VZ W	01/08/20	3-4	510	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20200108C12VZ COMP	01/08/20	3-4	na	<4.9	<4.9	110	0.4	<0.20	6.1	2.1	6900	<0.49	42	<0.032	<4.9	<2.00	0.73	13
13	- -	11/05/04	2	na	na	<1	<5	na	<0.1	<1	na	na	<1	na	<0.02	<0.1	na	<1	na
13	- -	05/25/05	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
13	20200108C13VZ C	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
14	20200108C14VZ C	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

Environmental Plus Landfarm - Vadose Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int. ''bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
15	20200108C15VZ C	01/08/20	3-4	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
13	20200108C131415VZ COMP	01/08/20	3-4	na	<5.0	<5.0	55	0.32	<0.20	5.7	2.9	5800	1.5	69	<0.033	<5.0	<2.00	<0.50	13
[1]Regulatory Thresholds				**10000**	**1.42**	**7.07**	**4390**	**148**	**70.5**	**96.6**	**3130**	**54800**	**29.7**	**464**	**20.7**	**391**	**78.2**	**391**	**23500**

na - not analyzed 'bgs - feet below ground surface

[1]Most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs) from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. For Chloride, Table 1 of 19.15.29.12.E.2 (51 feet-100 feet bgs) will apply.

Environmental Plus Landfarm - Treatment Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT MRO (8015M) >C_{28}-C_{36}	TPH C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX
Cell #	ID#	Date	Interval 'bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
1	EPI20181130TZ-#1	11/30/18	0-8"bgs	<10.0	<10.0	0.0	17.1	17.1	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
1	20190307EPIC1TZ	3/7/19	0-8"bgs	<4.7	18.0	18.0	140.0	158.0	<.023	<.047	<.047	- -	- -	- -	<0.094	<0.211
1	20191212C1TZM	12/12/19	0-8"bgs	<4.7	26.0	26.0	140.0	166.0	<0.024	<0.047	<0.047	- -	- -	- -	<0.094	<0.212
2	EPI20181130TZ-#2	11/30/18	0-8"bgs	<10.0	45.4	45.4	16.6	62.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
2	20190307EPIC2TZ	3/7/19	0-8"bgs	<4.7	820.0	820.0	1600.0	2420.0	<.023	<.047	<.047	- -	- -	- -	<0.094	<0.211
2	20191212C2TZM	12/12/19	0-8"bgs	<4.6	290.0	290.0	720.0	1010.0	<.023	<0.046	<0.046	- -	- -	- -	<0.093	<0.208
3	EPI20181130TZ-#3	11/30/18	0-8"bgs	<10.0	43.4	43.4	22.2	65.6	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
3	20190307EPIC3TZ	3/7/19	0-8"bgs	<4.8	120.0	120.0	340.0	460.0	<.024	<.048	<.048	- -	- -	- -	<0.095	<0.215
3	20191212C3TZM	12/12/19	0-8"bgs	<4.9	33.0	33.0	130.0	163.0	<.024	<.049	<.049	- -	- -	- -	<0.098	<.220
4	EPI20181130TZ-#4	11/30/18	0-8"bgs	<10.0	65.4	65.4	54.1	119.5	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
4	20190307EPIC4TZ	3/7/19	0-8"bgs	<4.9	65.0	65.0	280.0	345.0	<.025	<.049	<.049	- -	- -	- -	<0.098	<0.221
4	20191212C4TZM	12/12/19	0-8"bgs	<4.7	18.0	18.0	78.0	96.0	<.024	<.047	<.047	- -	- -	- -	<0.095	<.220
5	EPI20181130TZ-#5	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
5	20190307EPIC5TZ	3/7/19	0-8"bgs	<4.8	62.0	62.0	260.0	322.0	<.024	<.048	<.048	- -	- -	- -	<0.097	<0.217
5	20191212C5TZM	12/12/19	0-8"bgs	<4.9	46.0	46.0	200.0	246.0	<.024	<.049	<.049	- -	- -	- -	<0.098	<.220
6	EPI20181130TZ-#6	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
6	20190307EPIC6TZ	3/7/19	0-8"bgs	<4.7	18.0	18.0	120.0	138.0	<.024	<.047	<.047	- -	- -	- -	<0.095	<0.213
6	20191212C6TZM	12/12/19	0-8"bgs	<4.6	<9.8	0.0	59.0	59.0	<0.023	<0.046	<0.046	- -	- -	- -	<0.092	<0.207
7	EPI20181130TZ-#7	11/30/18	0-8"bgs	<10.0	403.0	403.0	101.0	504.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.207
7	20190307EPIC7TZ	3/7/19	0-8"bgs	<4.9	170.0	170.0	300.0	470.0	<.024	<0.049	<0.049	- -	- -	- -	<0.097	<0.219

Environmental Plus Landfarm - Treatment Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT MRO (8015M) >C_{28}-C_{36}	TPH C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX
Cell #	ID#	Date	Interval 'bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
7	20191212C7TZM	12/12/19	0-8"bgs	<4.6	<9.8	0.0	59.0	59.0	<0.023	<0.046	<0.046	- -	- -	- -	<0.092	<0.207
8	EPI20181130TZ-#8	11/30/18	0-8"bgs	<10.0	18.1	18.1	10.0	28.1	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
8	20190307EPIC8TZ	3/7/19	0-8"bgs	<4.7	24.0	24.0	170.0	194.0	<.023	<.047	<.047	- -	- -	- -	<0.094	<0.211
8	20191212C8TZM	12/12/19	0-8"bgs	<4.8	9.9	9.9	82.0	91.9	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216
9	EPI20181130TZ-#9	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
9	20190307EPIC9TZ	3/7/19	0-8"bgs	<4.9	38.0	38.0	220.0	258.0	<.025	<.049	<.049	- -	- -	- -	<0.098	<0.221
9	20191212C9TZM	12/12/19	0-8"bgs	<4.9	17.0	17.0	94.0	111.0	<.025	<.049	<.049	- -	- -	- -	<0.098	<0.221
10	EPI20181130TZ-#10	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
10	20190307EPIC10TZ	3/7/19	0-8"bgs	<4.8	<9.6	<9.6	57.0	57.0	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216
10	20191212C10TZM	12/12/19	0-8"bgs	<4.7	<9.8	0.0	<49	0.0	<.023	<.047	<.047	- -	- -	- -	<0.094	<0.211
11	EPI20181130TZ-#11	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
11	20190307EPIC11TZ	3/7/19	0-8"bgs	<5.0	<9.7	<9.7	58.0	58.0	<0.025	<0.050	<0.050	- -	- -	- -	<0.10	<0.225
11	20191212C11TZM	12/12/19	0-8"bgs	<4.8	<9.7	0.0	<48	0.0	<.024	<.048	<.048	- -	- -	- -	<0.095	<0.215
12	EPI20181130TZ-#12	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
12	20190307EPIC12TZ	3/7/19	0-8"bgs	<4.9	150.0	150.0	390.0	540.0	<.025	<.049	<.049	- -	- -	- -	<0.098	<0.221
12	20191212C12TZM	12/12/19	0-8"bgs	<4.8	50.0	50.0	210.0	260.0	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216
13	EPI20181130TZ-#13	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
13	20190307EPIC13TZ	3/7/19	0-8"bgs	<4.9	76.0	76.0	270.0	346.0	<.024	<0.049	<0.049	- -	- -	- -	<0.098	<0.220
13	20191212C13TZM	12/12/19	0-8"bgs	<4.8	57.0	57.0	210.0	267.0	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216
14	EPI20181130TZ-#14	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
14	20190307EPIC14TZ	3/7/19	0-8"bgs	<4.8	<50	<50	70.0	70.0	<.024	<.048	<.048	- -	- -	- -	<0.095	<0.215
14	20191212C14TZM	12/12/19	0-8"bgs	<4.7	<9.4	0.0	<47	0.0	<.024	<.047	<.047	- -	- -	- -	<0.094	<0.212
15	EPI20181130TZ-#15	11/30/18	0-8"bgs	<10.0	<10.0	<10.0	<10.0	0.0	<0.05	<0.05	<0.05	- -	- -	- -	<0.150	<0.300
15	20190307EPIC15TZ	3/7/19	0-8"bgs	<4.9	16.0	16.0	100.0	116.0	0.025	<.049	<.049	- -	- -	- -	<0.098	0.025

Environmental Plus Landfarm - Treatment Zone Monitoring
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) $>C_{10}$-C_{28}	GRO+DRO C_6-C_{28}	EXT MRO (8015M) $>C_{28}$-C_{36}	TPH C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX
Cell #	ID#	Date	Interval 'bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
15	20191212C15TZM	12/12/19	0-8"bgs	<4.8	<9.7	0.0	<47	0.0	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216
[1]Regulatory Thresholds						1000		2500	10							50

na - not analyzed 'bgs - feet below ground surface
[1]CoCs listed in Table 1 of 19.15.29.12.E.2 (51 feet-100 feet bgs)

Environmental Plus Landfarm - Treatment Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int.	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
1	EPI20181130TZ-#1	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20190307EPIC1TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1	20191212C1TZM	12/12/19	0-8	<60	<4.9	<4.9	40	<0.30	<0.20	5.1	2.1	4100	1.6	51	<0.033	<4.9	<2.00	<0.49	13
2	EPI20181130TZ-#2	11/30/18	0-8	192	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20190307EPIC2TZ	3/7/19	0-8	310	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	20191212C2TZM	12/12/19	0-8	130	<4.8	<4.8	230.0	<0.29	<0.19	4.2	2.7	4000	4.3	35	<0.033	<4.8	<2.00	0.67	11.0
3	EPI20181130TZ-#3	11/30/18	0-8	96	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
3	20190307EPIC3TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
3	20191212C3TZM	12/12/19	0-8	<60	<5.1	<5.1	140.0	0.38	<0.20	6.2	2.8	5700	6.9	58	<0.033	<5.1	<2.00	<0.51	16.0
4	EPI20181130TZ-#4	11/30/18	0-8	32	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20190307EPIC4TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
4	20191212C4TZM	12/12/19	0-8	<60	<5.0	<5.0	89.0	0.35	<0.20	5.6	<0.59	5300	1.6	51	<0.033	<5.0	<2.00	<0.49	13.0
5	EPI20181130TZ-#5	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	20190307EPIC5TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
5	20191212C5TZM	12/12/19	0-8	<60	<5.1	<5.1	83.0	0.31	<0.20	5.6	2.5	4400	10	58	<0.033	<5.1	<2.00	<0.49	18.0
6	EPI20181130TZ-#6	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20190307EPIC6TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
6	20191212C6TZM	12/12/19	0-8	<61	<4.9	<4.9	73.0	0.41	<0.19	6.5	2.2	6700	2	65	<0.033	<4.9	<2.00	<.50	16.0
7	EPI20181130TZ-#7	11/30/18	0-8	32	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20190307EPIC7TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
7	20191212C7TZM	12/12/19	0-8	<60	<5.0	<5.0	85.0	0.36	<0.20	6	1.8	5600	1.3	50	<0.033	<5.0	<2.00	<0.49	15.0
8	EPI20181130TZ-#8	11/30/18	0-8	32	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20190307EPIC8TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8	20191212C8TZM	12/12/19	0-8	<60	<5.1	<5.1	80.0	0.41	<0.20	6.6	2.8	6500	2	58	<0.033	<5.1	<2.00	<0.50	16.0

Environmental Plus Landfarm - Treatment Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int.	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
9	EPI20181130TZ-#9	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	20190307EPIC9TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
9	20191212C9TZM	12/12/19	0-8	<60	<5.0	<5.0	62.0	0.39	<0.20	6.5	2.2	6600	1.4	67	<0.033	<5.0	<2.00	<0.51	16.0
10	EPI20181130TZ-#10	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	20190307EPIC10TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
10	20191212C10TZM	12/12/19	0-8	<60	<4.9	<4.9	34.0	0.33	<0.19	6.3	1.6	5900	1.3	61	<0.033	<4.9	<2.00	<0.50	13.0
11	EPI20181130TZ-#11	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20190307EPIC11TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
11	20191212C11TZM	12/12/19	0-8	<60	<5.0	5.6	75.0	0.57	<0.20	8.6	3.4	9600	3.1	120	<0.033	<5.0	<2.00	<0.51	21.0
12	EPI20181130TZ-#12	11/30/18	0-8	48	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20190307EPIC12TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
12	20191212C12TZM	12/12/19	0-8	<60	<5.1	<5.1	72.0	0.32	<0.20	5.4	2.8	5400	2.7	87	<0.033	<5.1	<2.00	<0.51	14.0
13	EPI20181130TZ-#13	11/30/18	0-8	64	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
13	20190307EPIC13TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
13	20191212C13TZM	12/12/19	0-8	<60	<5.0	<5.0	46.0	0.31	<0.20	4.4	1.6	5100	2.3	59	<0.033	<5.0	<2.00	<0.50	10.0
14	EPI20181130TZ-#14	11/30/18	0-8	32	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
14	20190307EPIC14TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
14	20191212C14TZM	12/12/19	0-8	<60	<5.0	<5.0	250.0	0.44	<0.20	6.1	2.4	6500	3.8	73	<0.033	<5.0	<2.00	<0.50	15.0
15	EPI20181130TZ-#15	11/30/18	0-8	64	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
15	20190307EPIC15TZ	3/7/19	0-8	<60	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
15	20191212C15TZM	12/12/19	0-8	<60	<5.0	<5.0	72.0	0.45	<0.20	5.8	1.7	8000	2.3	57	<0.033	<5.0	<2.00	<0.50	14.0

Environmental Plus Landfarm - Treatment Zone Monitoring
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Cell	ID#	Date	Int.	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
[1]Regulatory Thresholds				**10000**	**1.42**	**7.07**	**4390**	**148**	**70.5**	**96.6**	**3130**	**54800**	**29.7**	**464**	**20.7**	**391**	**78.2**	**391**	**23500**

na - not analyzed 'bgs - feet below ground surface

[1]Most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs) from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. For Chloride, Table 1 of 19.15.29.12.E.2 (51 feet-100 feet bgs) will apply.

Environmental Plus Landfarm - Vadose Zone Background Monitoring Results
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Location	ID#	Date	Interval bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
East S	BG East S	12/30/2019	3-4'bgs	<4.7	<8.9	<8.9	<45	<45	<0.023	<0.047	<0.047				<0.093	<0.210	na
East S	20201007BGES	10/7/2020	3-4'bgs	<5.0	10.0	10.0	83.0	93.0	<0.025	<0.050	<0.050	- -	- -	- -	<0.100	<0.225	na
East N	BG East N	12/30/2019	3-4'bgs	<4.7	<9.8	<9.8	52.0	52.0	<0.023	<0.047	<0.047				<0.094	<0.211	na
East N	20201007BGEN	10/7/2020	3-4'bgs	<4.9	28.0	28.0	200.0	228.0	<.024	<0.049	<0.049	- -	- -	- -	<0.098	<0.220	na
Center E	BG Center E	12/31/2019	3-4'bgs	<4.8	<9.4	<9.4	<47	<47	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na
North E	BG North E	12/31/2019	3-4'bgs	<4.8	<9.7	<9.7	<49	<49	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na
North E	20201007BGNE	10/7/2020	3-4'bgs	<4.9	<10.0	<10.0	<50	<50	<0.025	<0.049	<0.049	- -	- -	- -	<0.098	<0.221	na
North C	BG North C	12/31/2019	3-4'bgs	<4.8	<9.7	<9.7	<48	<48	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na
North W	BG North W	12/31/2019	3-4'bgs	<4.9	<9.7	<9.7	<48	<48	<.024	<0.049	<0.049	- -	- -	- -	<0.098	<0.220	na
North W	20201007BGNW	10/7/2020	3-4'bgs	<4.7	<9.5	<9.5	<47	<47	<.024	<.047	<.047	- -	- -	- -	<0.095	<0.213	na
North WW	BG North WW	12/31/2019	3-4'bgs	<4.7	<9.5	<9.5	<48	<48	<.024	<.047	<.047	- -	- -	- -	<0.094	<0.212	na
West N	BG West N	12/31/2019	3-4'bgs	<4.8	<9.8	<9.8	<49	<49	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na
West N	20201007BGWN	10/7/2020	3-4'bgs	<4.8	<9.9	<9.9	<49	<49	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na
West S	BG West S	12/31/2019	3-4'bgs	<5.0	<9.0	<9.0	<45	<45	<0.025	<0.050	<0.050	- -	- -	- -	<0.099	<0.224	na
West S	20201007BGWS	10/7/2020	3-4'bgs	<4.8	<9.4	<9.4	<47	<47	<.024	<.048	<.048	- -	- -	- -	<0.097	<0.217	na
South E	BG South E	12/31/2019	3-4'bgs	<4.9	<8.8	<8.8	<44	<44	<0.025	<0.049	<0.049	- -	- -	- -	<0.098	<0.221	na
South E	20201007BGSE	10/7/2020	3-4'bgs	<4.7	<9.5	<9.5	<47	<47	<.024	<.047	<.047	- -	- -	- -	<0.094	<0.212	na
South W	BG South W	12/31/2019	3-4'bgs	<4.9	<9.3	<9.3	49.0	49.0	<.024	<0.049	<0.049	- -	- -	- -	<0.097	<0.219	na
South W	20201007BGSW	10/7/2020	3-4'bgs	<4.8	<9.6	<9.6	<48	<48	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na
Center W	BG Center W	12/31/2019	3-4'bgs	<4.8	<9.3	<9.3	<46	<46	<.024	<.048	<.048	- -	- -	- -	<0.096	<0.216	na

Environmental Plus Landfarm - Vadose Zone Background Monitoring Results
Organic Analytical Results

Sample				GRO (8015M) C_6-C_{10}	DRO (8015M) >C_{10}-C_{28}	GRO+DRO C_6-C_{28}	EXT DRO (8015M) >C_{28}-C_{36}	TPH (418.1) C_6-C_{36}	Benzene	Toluene	Ethyl Benzene	Para-Xylene	Meta-Xylene	Ortho-Xylene	Total Xylenes	Total BTEX	MTBE
Location	ID#	Date	Interval bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Background	Cell #1@18" Depth	8/23/1993	1.5'bgs	- -	- -	- -	- -	21.0	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.005	0.01	<0.001
Cell #1	Cell #1@18" Depth Annual Sampling	11/22/1994	1.5'bgs	- -	- -	- -	- -	44.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	na
[1]Regulatory Thresholds						1000		2500	10							50	

na - not analyzed 'bgs - feet below ground surface
[1]CoCs listed in Table 1 of 19.15.29.12.E.2 (51 feet-100 feet bgs)

Environmental Plus Landfarm - Vadose Zone Background Monitoring Reults

Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Berylium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Location	ID#	Date	Interval 'bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
East S	BG East S	12/30/19	3-4'bgs	<60															
East S	20201007BGES	10/7/20	3-4'bgs	<3.0															
East N	BG East N	12/30/19	3-4'bgs	<60															
East N	20201007BGEN	10/7/20	3-4'bgs	<3.0															
Center E	BG Center E	12/31/19	3-4'bgs	<60															
North E	BG North E	12/31/19	3-4'bgs	<60															
North E	20201007BGNE	10/7/20	3-4'bgs	<3.0															
North C	BG North C	12/31/19	3-4'bgs	<60															
North W	BG North W	12/31/19	3-4'bgs	<60															
North W	20201007BGNW	10/7/20	3-4'bgs	<3.0															
North WW	BG North WW	12/31/19	3-4'bgs	<60															
West N	BG West N	12/31/19	3-4'bgs	<60															
West N	20201007BGWN	10/7/20	3-4'bgs	<3.0															
West S	BG West S	12/31/19	3-4'bgs	<60															
West S	20201007BGWS	10/7/20	3-4'bgs	<3.0															
South E	BG South E	12/31/19	3-4'bgs	<60															
South E	20201007BGSE	10/7/20	3-4'bgs	<3.0															
South W	BG South W	12/31/19	3-4'bgs	<60															
South W	20201007BGSW	10/7/20	3-4'bgs	<3.0															
Center W	BG Center W	12/31/19	3-4'bgs	91															
				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (TCLP)	Barium (Ba) (TCLP)	Berylium (Be) (6010B)	Cadmium (Cd) (TCLP)	Chromium (Cr) (TCLP)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (TCLP)	Manganese (Mn) (6010B)	Mercury (Hg) (TCLP)	Selenium (Se) (TCLP)	Thallium (Tl) (6010B)	Silver (Ag) (TCLP)	Zinc (Zn) (6010B)

Environmental Plus Landfarm - Vadose Zone Background Monitoring Reults
Inorganic Analytical Results

Sample				Chloride (Cl^-) (SM4500Cl-B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Berylium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	Iron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (Tl) (6010B)	Silver (Ag) (6010B)	Zinc (Zn) (6010B)
Location	ID#	Date	Interval 'bgs	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Background	Cell #1@18" Depth	8/23/93	1.5'bgs	49	na	0.007	1.08	na	<0.005	<0.05	na	na	<0.10	na	0.0004	0.003	na	0.07	na
Cell #1	Cell #1@18" Depth Annual Sampling	11/22/94	1.5'bgs	1840	na	<0.01	0.36	na	<0.1	<0.1	na	na	<0.1	na	<0.001	<0.01	na	<0.1	na
[1]Regulatory Thresholds				**10000**	**1.42**	**7.07**	**4390**	**148**	**70.5**	**96.6**	**3130**	**54800**	**29.7**	**464**	**20.7**	**391**	**78.2**	**391**	**23500**

na - not analyzed 'bgs - feet below ground surface

[1]Most conservative exposure limits in Table A-1, NMED Soil Screening Levels (SSLs) from the June 2022 NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. For Chloride, Table 1 of 19.15.29.12.E.2 (51 feet-100 feet bgs) will apply.

ATTACHMENT 4 – LABORATORY REPORTS

EDDIE W. SEAY, CEI
601 W. Illinois
Hobbs, NM 88240
(505)392-2236

September 13, 1993

Ms. Kathy Brown
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: EPI Landfarm

Dear Kathy:

Here are the background analysis for EPI landfarm. Samples were taken approximately in the center of the facility at a depth of about 18 inches. The bond was sent in to Santa Fe the week of the 6th of September and should be on file. We are in the process of constructing the facility, as the permit required, and plan to be finished in a few weeks. Upon completion of the facility, we will notify you before commencing operation, in case an inspection is needed.

If you have any question or need further information, please call.

Sincerely,

Eddie W. Seay

Eddie W. Seay

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TEXAS 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NEW MEXICO 88240

FINAL ANALYSIS REPORT

Company: EPI
Address: P.O. Box 969
City, State: Eunice, NM 88231

Date: 8/31/93
Lab#: H1332

Project Name:
Project Location: Sec. 14 & 15 T22 R37 E Lea County
Sampled by: ES Date: 8/23/93 Time: 4:00
Analyzed by: HM/MF Date: 8/30/93 Time: 9:30
Type of Samples: Soil Sample Condition: GIST Units: mg/kg, mg/l

Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE	MTBE
1	Sample 1	21.0	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	<0.001
	QC Recovery	396.5	1.956	2.034	2.084	2.014	2.116	2.204	1.891
	QC Spike	405.9	2.026	2.038	2.062	2.021	2.093	2.110	1.713
	Accuracy	97.7%	96.5%	99.8%	101.1%	99.7%	101.1%	104.4%	110.4
	Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - AUTOMATED HEADSPACE GC; INFRARED SPECTROSCOPY
- EPA SW-846; EPA METHODS 8020, 418.1, 3540 OR 3510

Michael R. Fowler

Date 9/2/93

Michael R. Fowler

Background TPH 21

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TEXAS 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NEW MEXICO 88240

TCLP ANALYSIS REPORT

Company: EPI
Address: P.O. Box 969
City, State: Eunice, NM 88231

Date: 8/31/93
Lab#: H1332-1

Project Name:
Project Location: Sec 14 & 15 T22 R37 E Lea County
Sampled by: ES
Type of Sample: Soil

Date: 8/23/93
Sample Condition: GIST

Sample ID: Sample 1

TCLP INORGANICS (Leachate)

PARAMETER	RESULT	UNITS
Arsenic	0.007	mg/l
Barium	1.08	mg/l
Cadmium	<0.005	mg/l
Chromium	<0.05	mg/l
Lead	<0.10	mg/l
Mercury	0.0004	mg/l
Selenium	0.003	mg/l
Silver	0.07	mg/l

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000/7060/7471/7740

Michael R. Fowler

Date 9/2/93

Michael R. Fowler

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TEXAS 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NEW MEXICO 88240

CHEMICAL ANALYSIS OF SOIL

Company : EPI
City, St.: P.O. Box 969, Eunice, NM 88231
Proj.Name:
Location : Sec. 14 & 15 T22 R37 E Lea County
Sample 1 : Sample 1

Lab #: H1332
Date : 6/7/93

PARAMETER	RESULT (mg/kg) SAMPLE 1
pH	8.48
Hardness ($CaCO_3$)	538
Calcium ($CaCO_3$)	342
Magnesium ($CaCO_3$)	196
Nitrate (NO_3)	10
Sulfate (SO_4)	61
Chloride (Cl)	49
Ortho Phosphate (PO_4)	71

Michael R. Fowler

Michael R. Fowler

9/2/93

Date

December 9, 1994

Oil Conservation Division
ATTN: Chris Eustice
Box 2088
Santa Fe, NM 87504-2088

SUBJECT: EPI Inc. Annual Sampling

Dear Chris:

Within is analysis for EPI Inc. landfarm, Eunice, NM. Annual testing requires TPH, BTEX, general chemistry and metals. If you have any questions, please call.

Sincerely,

Eddie W Seay

Eddie W. Seay
601 W. Illinois
Hobbs, NM 88240
(505)392-2236

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240
PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

TCLP ANALYSIS REPORT

Company:	Eddie W. Seay	Date:	12/6/94
Address:	601 W. Illinois	Lab #:	H1875
City, State:	Hobbs, NM 88240		
Project Name:	EPI Landfarm		
Location:	Eunice, NM		
Sampled by:	ES	Date:	11/22/94
Sample Type:	Soil	Sample Condition:	Cool, Intact

Sample ID: Cell #1 @ 18" Depth - Annual Sampling

TCLP INORGANICS (Leachate)

PARAMETER	RESULT	EPA LIMIT	UNITS
Silver	<0.1	5	ppm
Arsenic	<0.01	5	ppm
Barium	0.36	100	ppm
Cadmium	<0.1	1	ppm
Chromium	<0.1	5	ppm
Mercury	<0.001	0.2	ppm
Lead	<0.1	5	ppm
Selenium	<0.01	1	ppm

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

Michael R. Fowler

12/6/94
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240
PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

CHEMICAL ANALYSIS OF WATER

Company : Eddie W. Seay
City, St.: 601 W. Illinois
Proj.Name: EPI Landfarm
Location : Eunice, NM

Lab #: H1875
Date Received: 11/22/94
Date Analyzed: 11/23/94

Sample 1 : Cell #1 @ 18" depth - Annual Sampling Units: ppm

PARAMETER	RESULT 1
pH	8.83
Hardness ($CaCO_3$)	2,640
Calcium ($CaCO_3$)	2,080
Magnesium ($CaCO_3$)	560
Sulfate (SO_4^-)	1,912
Chloride (Cl^-)	1,840
Nitrate	2.6

Michael R. Fowler

12/6/94
Date

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240
PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

FINAL ANALYSIS REPORT

Company: Eddie W. Seay
Address: 601 W. Illinois
City, State: Hobbs, NM 88240

Date: 12/6/94
Lab #: H1875

Project Name: EPI Landfarm
Location: Eunice, NM
Sampled by: ES
Analyzed by: MF
Sample Type: Soil

Date: 11/22/94 Time: 12:30
Date: 11/23/94 Time: various
Sample Condition: Cool, Intact

Units: mg/kg

Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	Cell #1 @ 18" Depth-Annual Sampling	44.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	QC Recovery	385.0	0.957	0.819	0.945	0.916	0.929	0.979
	QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
	Accuracy	94.8%	108.6%	94.7%	108.7%	105.8%	108.0%	110.5%
	Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMOTOGRAPHY; INFRARED SPECTROSCOPY
- EPA SW-846; 8020, 418.1, 3540 OR 3510

Michael R. Fowler

12/6/94
Date

13

January 5, 2001

Martyne J. Kieling
NMOCD Environmental Bureau
2040 South Pacheco St.
Santa Fe, NM 87505

RE: Quarterly sampling EPI Landfarm
Eunice, NM

Dear Mrs. Kieling:

Find within quarterly sampling and testing for the treatment zones for EPI Landfarm. Samples were taken at a depth of approximately 24 inches and holes backfilled with bentonite.

If you have any questions or need additional information, please call.

Sincerely,

Eddie W. Seay

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

MJK 2-17-01

ECD Environmental, Inc.

Client: Eddie Seay Consulting
Project: EPI Quarterly
Project Manager: Eddie Seay
Project Number:

Date Collected: 11/27/00
Date Received: 11/28/00
Sample Matrix: Soil
Extraction Date: 11/29/00

EPA Method 8021 BTEX

Heal ID	Client ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)
001129-1	Cell 1	ND	ND	ND	ND
001129-2	Cell 2	ND	ND	ND	ND
001129-3	Cell 3	ND	ND	ND	ND
001129-4	Cell 4	ND	ND	ND	ND
001129-5	Cell 5	ND	ND	ND	ND
001129-6	Cell 6	ND	ND	ND	ND
001129-7	Cell 7	ND	ND	ND	ND
MRL		0.05	0.05	0.05	0.05

SVL ANALYTICAL, INC.
One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)7

REPORT OF ANALYTICAL RESU

CLIENT :HALL ENVIRONMENTAL Sample Receipt :12/12/00 Date of Report :12/18/00 SVL JOB No.

SVL ID	CLIENT SAMPLE ID	Test Method	Ag 6010B	As 6010B	Ba 6010B	Cd 6010B	Cr 6010B	Pb 6010B	Se 6010B	
W251358	0012027-13A Cell 3	12/04/00	<0.01mg/L	0.21mg/L	0.866mg/L	<0.004mg/L	<0.012mg/L	0.020mg/L	<0.02mg/L	<0.00
W251359	0012027-14A Cell 4	12/04/00	<0.01mg/L	<0.02mg/L	1.53mg/L	<0.004mg/L	<0.012mg/L	<0.01mg/L	<0.02mg/L	<0.00
W251360	0012027-15A Cell 5	12/04/00	<0.01mg/L	0.05mg/L	1.56mg/L	<0.004mg/L	<0.012mg/L	<0.01mg/L	<0.02mg/L	<0.00
W251361	0012027-16A Cell 6	12/04/00	<0.01mg/L	0.04mg/L	1.19mg/L	<0.004mg/L	<0.012mg/L	<0.01mg/L	<0.02mg/L	<0.00
W251362	0012027-17A Cell 7	12/04/00	<0.01mg/L	0.03mg/L	1.32mg/L	<0.004mg/L	<0.012mg/L	<0.01mg/L	<0.02mg/L	<0.00

Reviewed By: Richa Johnson Date: 12/18/00

SVL ANALYTICAL, INC.
One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83837-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-

REPORT OF ANALYTICAL RESUL

CLIENT :HALL ENVIRONMENTAL Sample Receipt :12/08/00 Date of Report :12/15/00 SVL JOB No. :96

SVL ID	CLIENT SAMPLE ID	Test Method	Ag 6010B	As 6010B	Ba 6010B	Cd 6010B	Cr 6010B	Pb 6010B	Se 6010B	Hg 7
W251061	0012027-11A Cell 1	12/04/00	<0.005mg/L	0.01mg/L	2.12mg/L	<0.002mg/L	<0.006mg/L	<0.005mg/L	<0.01mg/L	<0.0004mg/
W251062	0012027-12A Cell 2	12/04/00	<0.005mg/L	0.02mg/L	1.75mg/L	<0.002mg/L	<0.006mg/L	<0.005mg/L	<0.01mg/L	<0.0002mg/

Reviewed By: Brenda Johnson Date: 12/15/00

CHAIN-OF-CUSTODY RECORD

ECD Environmental, Inc.

Client: Eddie Seay Consulting	Project Name: EPI Landfarm
Address: 601 W Illinois Hobbs N.M	Project #: EPI Quarterly
	Project Manager: Charlie Bettis
Phone #: 505-392-2234	Sampler: Eddie Seay
Fax #: 392-6949	Samples Cold?: ☒ Yes ☐ No

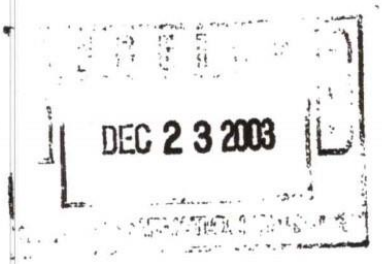
Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HCl	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	8310 (PNA or PAH)	RCRA 8 Metals	Cations (Na, K, Ca, Mg)	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	TCLP Metals	Air Bubbles or Headspace (Y or N)
11/27	8:15		Cell 1	2			201129-1	✓		✓							✓	
"	8:40		Cell 2	2			-2	✓		✓							✓	
"	9:00		Cell 3	2			-3	✓		✓							✓	
"	9:20		Cell 4	2			-4	✓		✓							✓	
"	9:50		Cell 5	2			-5	✓		✓							✓	
"	10:15		Cell 6	2			-6	✓		✓							✓	
"	10:45		Cell 7	2			-7	✓		✓							✓	

ANALYSIS REQUEST

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
11/28	9:30AM	Eddie Seay	
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Quarterly treatment Zone Samples

December 17, 2003



NMOCD Environmental
ATTN: Martyne J. Kieling
P.O. Box 6429
1220 S. Saint Francis Drive
Santa Fe, NM 87504

RE: EPI Landfarm
Yearly Sampling

Dear Mrs. Kieling:

Find within the results of the yearly sampling for EPI Landfarm. Samples were taken at approximately two foot depths and holes backfilled with bentonite.

If you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

mjk 12-29-03

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	analyte detected in Method Blank
E	result is estimated
H	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

EDDIE SEAY CONSULTING
attn: **EDDIE SEAY**
601 W. ILLINOIS
HOBBS **NM 88242**

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212** **EDD01** Receipt: **11-12-03**

William P. Biava, President of Assaigai Analytical Laboratories, Inc.

Sample: ***CELL #1*** Collected: *11-11-03 11:45:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-01A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2095.21		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-24-03	11-24-03
0311212-01A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.3	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.3	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.3	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.3	108-38-3/106-42	p/m-Xylenes	0.011	mg / Kg	1	0.01		11-25-03	11-25-03
X03553	XG.2003.2123.3	108-88-3	Toluene	0.005	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-01A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.20		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-01C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.14	7440-38-2	Arsenic	ND	mg / L	10	0.2	1	12-01-03	12-02-03
M031595	MT.2003.1650.14	7440-39-3	Barium	1.0	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.14	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.14	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.14	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.14	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.14	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-01C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.16	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #2*** Collected: *11-11-03 12:10:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-02A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2095.22		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-24-03	11-24-03
0311212-02A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.4	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.4	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.4	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.4	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03553	XG.2003.2123.4	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-02A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.21		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-02C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.18	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.18	7440-39-3	Barium	1.3	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.18	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.18	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.18	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.18	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.18	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-02C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.19	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #3*** Collected: *11-11-03 12:30:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-03A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2095.23		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-24-03	11-24-03
0311212-03A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.5	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.5	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.5	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.5	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03553	XG.2003.2123.5	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-03A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.22		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-03C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.19	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.19	7440-39-3	Barium	1.1	mg / L	10	0.1		11-24-03	11-26-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #3*** Collected: *11-11-03 12:30:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-03C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031595	MT.2003.1650.19	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.19	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.19	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.19	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.19	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-03C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.20	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #4*** Collected: *11-11-03 13:05:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
`311212-04A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
`03570	XG.2003.2095.24		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-24-03	11-24-03
0311212-04A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.6	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.6	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.6	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.6	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03553	XG.2003.2123.6	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-04A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.23		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-04C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.22	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.22	7440-39-3	Barium	1.4	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.22	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.22	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.22	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.22	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.22	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-04C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.21	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #5*** Collected: *11-11-03 13:25:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-05A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2100.3		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-05A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.7	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.7	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.7	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.7	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03553	XG.2003.2123.7	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-05A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.36		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-05C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.23	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.23	7440-39-3	Barium	1.0	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.23	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.23	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.23	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.23	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.23	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-05C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.22	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #6*** Collected: *11-11-03 13:50:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-06A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2100.4		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-06A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.26	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-26-03	11-26-03
X03553	XG.2003.2123.26	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-26-03	11-26-03
X03553	XG.2003.2123.26	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-26-03	11-26-03
X03553	XG.2003.2123.26	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-26-03	11-26-03
X03553	XG.2003.2123.26	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-26-03	11-26-03
0311212-06A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.37		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-06C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.24	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.24	7440-39-3	Barium	ND	mg / L	10	0.1		11-24-03	11-26-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #6*** Collected: *11-11-03 13:50:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-06C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031595	MT.2003.1650.24	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.24	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.24	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.24	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.24	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-06C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.25	7439-97-6	Mercury	0.0003	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #7*** Collected: *11-11-03 14:15:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
311212-07A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
03570	XG.2003.2100.5		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-07A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03553	XG.2003.2123.9	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.9	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.9	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03553	XG.2003.2123.9	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03553	XG.2003.2123.9	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-07A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.38		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-07C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031613	MT.2003.1677.25	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.25	7440-39-3	Barium	ND	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.25	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.25	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.25	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.25	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.25	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-07C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.26	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #8*** Collected: *11-11-03 14:35:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-08A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2100.6		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-08A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03579	XG.2003.2123.14	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.14	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.14	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.14	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03579	XG.2003.2123.14	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-08A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03571	XG.2003.2108.39		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
0311212-08C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031614	MT.2003.1677.38	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.26	7440-39-3	Barium	1.2	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.26	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.26	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.26	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.26	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.26	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-08C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.27	7439-97-6	Mercury	0.0006	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #9*** Collected: *11-11-03 15:00:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-09A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03570	XG.2003.2100.7		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-09A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03579	XG.2003.2123.18	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.18	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.18	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.18	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03579	XG.2003.2123.18	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-09A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03572	XG.2003.2115.6		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-24-03
0311212-09C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031614	MT.2003.1677.39	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.27	7440-39-3	Barium	1.2	mg / L	10	0.1		11-24-03	11-26-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #9*** Collected: *11-11-03 15:00:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-09C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031595	MT.2003.1650.27	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.27	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.27	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.27	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.27	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-09C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.28	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #10*** Collected: *11-11-03 15:30:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-10A		**SW846 5030A/8015A GRO by GC/FID**						By: JDR		
X03578	XG.2003.2117.5		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-10A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**						By: JDR		
X03579	XG.2003.2123.19	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.19	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.19	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.19	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03579	XG.2003.2123.19	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-10A		**SW846 ME/8015A Diesel Range Organics by GC/FID**						By: JDR		
X03572	XG.2003.2115.9		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-24-03
0311212-10C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031614	MT.2003.1677.40	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.28	7440-39-3	Barium	1.2	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.28	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.28	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.28	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.28	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.28	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-10C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.29	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**
Project: **EPI LANDFARM**
Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #11*** Collected: *11-11-03 16:00:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-11A		**SW846 5030A/8015A GRO by GC/FID**					By: JDR			
X03578	XG.2003.2117.8		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-11A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**					By: JDR			
X03579	XG.2003.2123.20	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.20	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.20	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.20	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03579	XG.2003.2123.20	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-11A		**SW846 ME/8015A Diesel Range Organics by GC/FID**					By: JDR			
X03572	XG.2003.2115.10		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-24-03
0311212-11C		**SW846 1311/3010A/6010B ICP TCLP**					By: KDW			
M031614	MT.2003.1677.41	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.29	7440-39-3	Barium	ND	mg / L	10	0.1		11-24-03	11-26-03
M031595	MT.2003.1650.29	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.29	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.29	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.29	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003.1650.29	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-11C		**SW846 1311/7470A CVAA TCLP**					By: DAH			
M031591	MT.2003.1630.30	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03

Sample: ***CELL #12*** Collected: *11-11-03 16:30:00* By: *ES*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-12A		**SW846 5030A/8015A GRO by GC/FID**					By: JDR			
X03578	XG.2003.2117.9		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-12A		**SW846 5030A/8021B Purgeable VOCs by GC/PID**					By: JDR			
X03579	XG.2003.2123.21	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.21	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.21	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
X03579	XG.2003.2123.21	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
X03579	XG.2003.2123.21	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
0311212-12A		**SW846 ME/8015A Diesel Range Organics by GC/FID**					By: JDR			
X03572	XG.2003.2115.11		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-24-03
311212-12C		**SW846 1311/3010A/6010B ICP TCLP**					By: KDW			
M031614	MT.2003.1677.43	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
M031595	MT.2003.1650.34	7440-39-3	Barium	ND	mg / L	10	0.1		11-24-03	11-26-03

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **EDDIE SEAY CONSULTING**

Project: **EPI LANDFARM**

Order: **0311212 EDD01** Receipt: **11-12-03**

Sample: ***CELL #12*** Collected: *11-11-03 16:30:00* By: *ES*

Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-12C		**SW846 1311/3010A/6010B ICP TCLP**						By: KDW		
M031595	MT.2003.1650.34	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.34	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003.1650.34	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031614	MT.2003.1677.43	7782-49-2	Selenium	ND	mg / L	10	0.05		12-01-03	12-02-03
M031595	MT.2003.1650.34	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212-12C		**SW846 1311/7470A CVAA TCLP**						By: DAH		
M031591	MT.2003.1630.32	7439-97-6	Mercury	0.0005	mg / L	1	0.0002		11-24-03	11-24-03

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

1 This sample was utilized for the matrix spike and duplicate. Please note that the recoveries were outside of QC criteria, suggesting matrix interference problems. This should be taken into account when reviewing the data.

THE REPRODUCTION OF

THE

FOLLOWING

DOCUMENT (S)

CANNOT BE IMPROVED

DUE TO

THE CONDITION OF

THE ORIGINAL

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

AAL Job No. D 31[illegible] Date ______

Page ______ of ______

Client: Eddie Seay Consulting
Address: 601 W Illinois
City / State / Zip: Hobbs N.M. 88242
Project Name / Number: EPI Landfarm
Contract / Purchase Order / Quote: ______

Project Manager / Contact: Eddie Seay
Telephone No.: 505 39[illegible] 2236
Fax No.: 505 392 [illegible]49
Samplers: (signature) Eddie W. Seay

AAL Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers	TPH (8015)	[illegible]	[illegible]	Remarks
01A,B,C	Cell #1	11/10	11:45	Soil	3 - [illegible]		Ice	3	✓	✓	✓	
02A,B,C	Cell # 2	"	12:10	"	"		"	3	✓	✓	✓	
03A,B,C	Cell # 3	"	12:30	"	"		"	3	✓	✓	✓	
04A,B,C	Cell # 4	"	1:05		"		"	3	✓	✓	✓	
05A,B,C	Cell # 5	"	1:25		"		"	3	✓	✓	✓	
06A,B,C	Cell # 6	"	1:50	"	"		"	3	✓	✓	✓	
07A,B,C	Cell # 7	"	2:15	"	"		"	3	✓	✓	✓	
08A,B,C	Cell # 8	"	2:35	"	"		"	3	✓	✓	✓	
09A,B,C	Cell # 9	"	3:00	"	"		"	3	✓	✓	✓	
10A,B,C	Cell # 10	"	3:30	"	"		"	3	✓	✓	✓	
11A,B,C	Cell # 11	"	4:[illegible]	"	"		"	3	✓	✓	✓	
12A,B,C	Cell # 12	"	4:30	"	"		"	3	✓	✓	✓	

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
Signature: Eddie W. Seay	Date: 11/12	Signature: Skip Tabor	Signature:	Date:	Signature:
Printed: Eddie Seay	Time: 8 AM	Printed: S Tabor	Printed:	Time:	Printed:
Company: Eddie Seay Consult		Company: AALI	Company:		Company:
Reason:		Reason: Trans To Lab	Reason:		Reason:

Method of Shipment: ______
Shipment No.: ______
Special Instructions: ______

Comments: TPH 8015 is DRO+GRO per Skip @ 11/12/03

After analysis, samples are to be:
- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

CARRIER

November 15, 2004

NM-1-0013

NMOCD Environmental
ATTN: Ed Martin
P.O. Box 6429
1220 S. Saint Francis Drive
Santa Fe, NM 87504

RE: EPI Landfarm
Yearly Treatment Zone Test

Mr. Martin:

As permit requires, find yearly treatment zone tests for EPI Landfarm. Samples were taken at approximately two feet in depth. Sample holes were backfilled with bentonite.

If you have any questions, please call.

Sincerely,

Eddie W. Seay

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO: (505) 392-6949

Receiving Date: 11/05/04
Reporting Date: 11/11/04
Project Owner: C. BETTIS
Project Name: EPI LANDFARM
Project Location: EUNICE, NM

Sampling Date: 11/05/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		11/10/04	11/9/04	11/9/04	11/9/04	11/9/04	11/9/04	11/9/04	11/11/04
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H9323-1	CELL 1	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-2	CELL 2	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-3	CELL 3	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-4	CELL 4	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-5	CELL 5	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-6	CELL 6	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-7	CELL 7	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-8	CELL 8	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-9	CELL 9	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-10	CELL 10	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-11	CELL 11	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-12	CELL 12	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H9323-13	CELL 13	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.051	4.928	23.58	1.113	4.857	5.339	0.0100	0.053
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.050
% Recovery		102	98.6	94.3	111	97.1	107	101	106
Relative Standard Deviation		0.8	0.6	5.6	2.6	3.4	1.8	1.0	1.4
METHODS: EPA 1311, 600/4-91.		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

11/11/04
Date

H9323

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name: Eddie Seay Consulting
Project Manager: Eddie Seay
Address: 601 W Illinois
City: Hobbs State: NM Zip: 88242
Phone #: 2-2236
Fax #: 2-6949
Project #: EPI Project Owner: C. Bettis
Project Name: EPI Lovelarm
Project Location: Eunice N.M

BILL TO PO #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

FOR LAB USE ONLY				MATRIX						PRES.			SAMPLING		ANALYSIS REQUEST		
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH (8015)	TCLP Metals
H9323-1	Cell 1	C	1			✓					✓		11/5	9:15	✓	✓	✓
-2	Cell 2	C	1			✓					✓		"	9:40	✓	✓	✓
-3	Cell 3	C	1			✓					✓		"	10:10	✓	✓	✓
-4	Cell 4	C	1			✓					✓		"	10:30	✓	✓	✓
-5	Cell 5	C	1			✓					✓		"	10:50	✓	✓	✓
-6	Cell 6	C	1			✓					✓		"	11:15	✓	✓	✓
-7	Cell 7	C	1			✓					✓		"	11:40	✓	✓	✓
-8	Cell 8	C	1			✓					✓		"	11:55	✓	✓	✓
-9	Cell 9	C	1			✓					✓		"	12:20	✓	✓	✓
-10	Cell 10	C	1			✓					✓		"	12:40	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the orginal date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: Eddie Seay Date: 11/5 Time: 2:35
Relinquished By: Date: 11/5/04 Time:
Received By:
Received By: (Lab Staff) Amy Hill
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
CHECKED BY: (Initials)

Phone Result ☐ Yes ☐ No Additional Fax #:
Fax Result: ☐ Yes ☐ No
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name:	Eddie Seay Consulting	BILL TO	PO #:
Project Manager:	Eddie Seay	Company:	
Address:	601 W Illinois	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	Same
Phone #:	2-2236	City:	
Fax #:	2-6949	State:	Zip:
Project #:	EPI Project Owner: C. Ballew	Phone #:	
Project Name:	EPI Landfarm	Fax #:	
Project Location:	Eunice NM		

FOR LAB USE ONLY				MATRIX						PRES.			SAMPLING		ANALYSIS REQUEST		
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH (8015)	TCLP Metals
H9723-11	Cell 11	C	1			✓					✓		11/5	1:00	✓	✓	✓
-12	Cell 12	C	1			✓					✓		"	1:20	✓	✓	✓
-13	Cell 13	C	1			✓					✓		"	1:45	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 11/5	Received By:	Phone Result ☐ Yes ☐ No Additional Fax #:
	Time: 2:35		Fax Result: ☐ Yes ☐ No
Relinquished By:	Date:	Received By: (Lab Staff)	REMARKS:
	Time:		
Delivered By: (Circle One)	Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

June 20, 2005

NMOCD Environmental
ATTN: Ed Martin
Box 6429
1220 S. Saint Francis Drive
Santa Fe, NM 87504

NM-1-013

RE: EPI Landfarm
Quarterly Samples

Mr. Martin:

Enclosed are the quarterly treatment zone samples for EPI Landfarm. Samples were taken at approximately two feet below each cell, and holes backfilled with bentonite.

During the sampling, an inspection was done on the facility, all was in compliance.

If you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236
seay04@leaco.net

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 WEST ILLINOIS
HOBBS, NM 88242

Receiving Date: 5/26/2005
Reporting Date: 5/31/2005
Project Number: EPI LAND FARM
Project Name: EPI LAND FARM QUARTERLY
Project Location: EUNICE

Sampling Date: 5/25/2005
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: JD

LAB NUMBER	SAMPLE ID	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		5/31/05	5/31/05	5/31/05	5/31/05	5/31/05
H9822-1	CELL #1	<.002	<.002	<.002	<.002	<.006
H9822-2	CELL #2	<.002	<.002	<.002	<.002	<.006
H9822-3	CELL #3	<.002	<.002	<.002	<.002	<.006
H9822-4	CELL #4	<.002	<.002	<.002	<.002	<.006
H9822-5	CELL #5	<.002	<.002	<.002	<.002	<.006
H9822-6	CELL #6	<.002	<.002	<.002	<.002	<.006
H9822-7	CELL #7	<.002	<.002	<.002	<.002	<.006
H9822-8	CELL #8	<.002	<.002	<.002	<.002	<.006
H9822-9	CELL #9	<.002	<.002	<.002	<.002	<.006
H9822-10	CELL #10	<.002	<.002	<.002	<.002	<.006
H9822-11	CELL #11	<.002	<.002	<.002	<.002	<.006
H9822-12	CELL #12	<.002	<.002	<.002	<.002	<.006
H9822-13	CELL #13	<.002	<.002	<.002	<.002	<.006
Quality Control		0.101	0.098	0.094	0.094	0.274
True Value QC		0.100	0.100	0.100	0.100	0.300
% Recovery		101	98	94	94	91.3
Relative Percent Difference		5	0	1	2.1	1.7

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Jeanelle DeBrine
Chemist

5/31/2005
Date

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO: (505) 392-6949

Receiving Date: 05/26/05
Reporting Date: 06/04/05
Project Owner: C. BETTIS
Project Name: EPI LANDFARM
Project Location: EUNICE, NM

Sampling Date: 05/25/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)
ANALYSIS DATE:		06/03/05	06/03/05
H9822-1	CELL 1	<10.0	<10.0
H9822-2	CELL 2	<10.0	<10.0
H9822-3	CELL 3	<10.0	<10.0
H9822-4	CELL 4	<10.0	<10.0
H9822-5	CELL 5	<10.0	<10.0
H9822-6	CELL 6	<10.0	<10.0
H9822-7	CELL 7	<10.0	<10.0
H9822-8	CELL 8	<10.0	<10.0
H9822-9	CELL 9	<10.0	<10.0
H9822-10	CELL 10	<10.0	<10.0
H9822-11	CELL 11	<10.0	<10.0
H9822-12	CELL 12	<10.0	<10.0
H9822-13	CELL 13	<10.0	<10.0
Quality Control		798	746
True Value QC		800	800
% Recovery		99.7	93.3
Relative Percent Difference		0.8	<0.1

METHOD: SW-846 8015 M

Chemist

6/4/05
Date

H9822.XLS

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (325) 673-7001 Fax (325) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Company Name:	Eddie Seay Consulting	BILL TO	
Project Manager:	Eddie Seay	P.O. #:	
Address:	601 W Illinois	Company:	
City:	Hobbs State: NM Zip: 88242	Attn:	Sam
Phone #:	2.2236 Fax #:	Address:	
Project #:	EPI Landfarm Project Owner: C. Bettis	City:	
Project Name:	EPI LF Quarterly	State: Zip:	
Project Location:	Eunice	Phone #:	
Sampler Name:	Eddie Seay	Fax #:	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH (8015)	BTEX
H9822-1	Cell # 1	C	1			✓					✓		5/25	7:30	✓	✓
-2	Cell # 2	C	1			✓					✓		"	7:50	✓	✓
-3	Cell # 3	C	1			✓					✓		"	8:15	✓	✓
-4	Cell # 4	C	1			✓					✓		"	8:45	✓	✓
-5	Cell # 5	C	1			✓					✓		"	9:20	✓	✓
-6	Cell # 6	C	1			✓					✓		"	9:55	✓	✓
-7	Cell # 7	C	1			✓					✓		"	1:30	✓	✓
-8	Cell # 8	C	1			✓					✓		"	2:10	✓	✓
-9	Cell # 9	C	1			✓					✓		"	2:40	✓	✓
-10	Cell # 10	C	1			✓					✓		"	3:00	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 5/26	Received By:	
	Time: 18:05		
Relinquished By:	Date:	Received By: (Lab Staff)	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Temp, °C	Intact? Yes / No	Checked By: (Initials)

Phone Result: ☐ Yes ☐ No
Fax Result: ☐ Yes ☐ No
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name:	Eddie Sun Consulting	BILL TO	
Project Manager:		P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	Sam
Phone #:	Fax #:	Address:	
Project #:	EPI Landfarm Project Owner:	City:	
Project Name:		State: Zip:	
Project Location:		Phone #:	
Sampler Name:	Eddie Sun	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	BTEX						
-11	Cell # 11	C	1			✓					✓		5/25	3:25	✓	✓						
-12	Cell # 12	C	1			✓					✓		"	4:00	✓	✓						
-13	Cell # 13	C	1			✓					✓		"	4:30	✓	✓						

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Eddie Wilson	Date: 5/26 Time: 10:05	Received By:	Phone Result: ☐ Yes ☐ No
Relinquished By:	Date: Time:	Received By: (Lab Staff)	Fax Result: ☐ Yes ☐ No REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Temp, °C / Intact? ☐ Yes ☐ No	Checked By: (Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 06, 2018

PAT MCCASLAND

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: TREATMENT ZONE SAMPLING

Enclosed are the results of analyses for samples received by the laboratory on 11/30/18 14:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Lab Director/Quality Manager

Fax To: (505) 394-2601

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

X. SAMPLE ID: EPI20181130TZ - #1 (H803523-01)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	**17.1**	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *79.0 %* *41-142*
Surrogate: 1-Chlorooctadecane *88.8 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XI. SAMPLE ID: EPI20181130TZ - #2 (H803523-02)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	**45.4**	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	**16.6**	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *91.1 %* *41-142*
Surrogate: 1-Chlorooctadecane *105 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XII. SAMPLE ID: EPI20181130TZ - #3 (H803523-03)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	**43.4**	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	**22.2**	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *93.1 %* *41-142*
Surrogate: 1-Chlorooctadecane *106 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XIII. SAMPLE ID: EPI20181130TZ - #4 (H803523-04)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *73.3-129*

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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	**65.4**	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	**54.1**	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *84.5 %* *41-142*
Surrogate: 1-Chlorooctadecane *94.8 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XIV. SAMPLE ID: EPI20181130TZ - #5 (H803523-05)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *88.0 %* *41-142*
Surrogate: 1-Chlorooctadecane *98.8 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XV. SAMPLE ID: EPI20181130TZ - #6 (H803523-06)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *92.2 %* *41-142*
Surrogate: 1-Chlorooctadecane *104 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XVI. SAMPLE ID: EPI20181130TZ - #7 (H803523-07)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *73.3-129*

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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	**403**	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	**101**	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *79.7 %* *41-142*
Surrogate: 1-Chlorooctadecane *107 %* *37.6-147*

Fax To: (505) 394-2601

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XVII. SAMPLE ID: EPI20181130TZ - #8 (H803523-08)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *73.3-129*

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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	**18.1**	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *94.1 %* *41-142*
Surrogate: 1-Chlorooctadecane *106 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XVIII. SAMPLE ID: EPI20181130TZ - #9 (H803523-09)

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	12/04/2018	ND	1.66	83.0	2.00	1.76	
Toluene*	<0.050	0.050	12/04/2018	ND	1.61	80.6	2.00	2.36	
Ethylbenzene*	<0.050	0.050	12/04/2018	ND	1.55	77.7	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/04/2018	ND	5.01	83.5	6.00	2.27	
Total BTEX	<0.300	0.300	12/04/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *90.4 %* *41-142*
Surrogate: 1-Chlorooctadecane *102 %* *37.6-147*

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XIX. SAMPLE ID: EPI20181130TZ - #10 (H803523-10)

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	12/04/2018	ND	1.66	83.0	2.00	1.76	
Toluene*	<0.050	0.050	12/04/2018	ND	1.61	80.6	2.00	2.36	
Ethylbenzene*	<0.050	0.050	12/04/2018	ND	1.55	77.7	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/04/2018	ND	5.01	83.5	6.00	2.27	
Total BTEX	<0.300	0.300	12/04/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *97.0 %* *41-142*
Surrogate: 1-Chlorooctadecane *110 %* *37.6-147*

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Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XX. SAMPLE ID: EPI20181130TZ - #11 (H803523-11)

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	12/03/2018	ND	2.31	116	2.00	0.208	
Toluene*	<0.050	0.050	12/03/2018	ND	2.28	114	2.00	0.204	
Ethylbenzene*	<0.050	0.050	12/03/2018	ND	2.22	111	2.00	0.276	
Total Xylenes*	<0.150	0.150	12/03/2018	ND	6.51	108	6.00	0.287	
Total BTEX	<0.300	0.300	12/03/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *90.5 %* *41-142*
Surrogate: 1-Chlorooctadecane *102 %* *37.6-147*

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CARDINAL Laboratories

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Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XXI. SAMPLE ID: EPI20181130TZ - #12 (H803523-12)

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	12/04/2018	ND	1.66	83.0	2.00	1.76	
Toluene*	<0.050	0.050	12/04/2018	ND	1.61	80.6	2.00	2.36	
Ethylbenzene*	<0.050	0.050	12/04/2018	ND	1.55	77.7	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/04/2018	ND	5.01	83.5	6.00	2.27	
Total BTEX	<0.300	0.300	12/04/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *72.1 %* *41-142*
Surrogate: 1-Chlorooctadecane *79.2 %* *37.6-147*

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CARDINAL Laboratories

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Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XXII. SAMPLE ID: EPI20181130TZ - #13 (H803523-13)

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	12/04/2018	ND	1.66	83.0	2.00	1.76	
Toluene*	<0.050	0.050	12/04/2018	ND	1.61	80.6	2.00	2.36	
Ethylbenzene*	<0.050	0.050	12/04/2018	ND	1.55	77.7	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/04/2018	ND	5.01	83.5	6.00	2.27	
Total BTEX	<0.300	0.300	12/04/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *88.8 %* *41-142*
Surrogate: 1-Chlorooctadecane *99.6 %* *37.6-147*

Fax To: (505) 394-2601

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XXIII. SAMPLE ID: EPI20181130TZ - #14 (H803523-14)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2018	ND	1.66	83.0	2.00	1.76	
Toluene*	<0.050	0.050	12/04/2018	ND	1.61	80.6	2.00	2.36	
Ethylbenzene*	<0.050	0.050	12/04/2018	ND	1.55	77.7	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/04/2018	ND	5.01	83.5	6.00	2.27	
Total BTEX	<0.300	0.300	12/04/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *73.3-129*

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	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *81.7 %* *41-142*
Surrogate: 1-Chlorooctadecane *89.8 %* *37.6-147*

Fax To: (505) 394-2601

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.

PAT MCCASLAND
P.O. Box 1558
Eunice NM, 88231

Received:	11/30/2018	Sampling Date:	11/30/2018
Reported:	12/06/2018	Sampling Type:	Soil
Project Name:	TREATMENT ZONE SAMPLING	Sampling Condition:	** (See Notes)
Project Number:	20181130TZ	Sample Received By:	Celey D. Keene
Project Location:	EPI LANDFARM		

XXIV. SAMPLE ID: EPI20181130TZ - #15 (H803523-15)

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	12/04/2018	ND	1.66	83.0	2.00	1.76	
Toluene*	<0.050	0.050	12/04/2018	ND	1.61	80.6	2.00	2.36	
Ethylbenzene*	<0.050	0.050	12/04/2018	ND	1.55	77.7	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/04/2018	ND	5.01	83.5	6.00	2.27	
Total BTEX	<0.300	0.300	12/04/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/03/2018	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	12/04/2018	ND	217	108	200	2.20	
DRO >C10-C28*	<10.0	10.0	12/04/2018	ND	229	115	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/04/2018	ND					

Surrogate: 1-Chlorooctane *93.9 %* *41-142*
Surrogate: 1-Chlorooctadecane *104 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

XXV. Notes and Definitions

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

CARDINAL Laboratories

P1 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Environmental Plus, Inc.	**BILL TO**	
Project Manager:	Pat McCasland	P.O. #:	
Address:	PO Box 1558	Company:	
City:	Eunice	State: NM Zip: 88231	Attn:
Phone #:	575.631.1667	Fax #: mccasland_67@msn.com	Address:
Project #:	20181130TZ	Project Owner: S. Miller	City:
Project Name:	Treatment Zone Sampling		State: Zip:
Project Location:	EPI Land farm		Phone #:
Sampler Name:	Pat McCasland		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015M Extended	BTEX (8021B or 8260B)	Chloride (300.) + 45003
H803523																	
1	EPI20181130TZ-#1	C				✓					✓		11.30.18	8:12	✓	✓	✓
2	EPI20181130TZ-#2	C				✓					✓		11.30.18	8:23	✓	✓	✓
3	EPI20181130TZ-#3	C				✓					✓		11.30.18	8:32	✓	✓	✓
4	EPI20181130TZ-#4	C				✓					✓		11.30.18	8:39	✓	✓	✓
5	EPI20181130TZ-#5	C				✓					✓		11.30.18	8:51	✓	✓	✓
6	EPI20181130TZ-#6	C				✓					✓		11.30.18	9:10	✓	✓	✓
7	EPI20181130TZ-#7	C				✓					✓		11.30.18	9:25	✓	✓	✓
8	EPI20181130TZ-#8	C				✓					✓		11.30.18	9:35	✓	✓	✓
9	EPI20181130TZ-#9	C				✓					✓		11.30.18	9:50	✓	✓	✓
10	EPI20181130TZ-#10	C				✓					✓		11.30.18	10:05	✓	✓	✓

Relinquished By:	Date: 11.30.18	Received By:	Phone Result: ☐ Yes ☑ No Add'l Phone #:
	Time: 14:56		Fax Result: ☐ Yes ☑ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: mccasland_67@msn.com
	Time:		

Delivered By: (Circle One)	Sample Condition Cool	Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: 0.1°C	☐ Yes ☑ No	☑ Yes ☐ No	GPK #97

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Environmental Plus, Inc.
Project Manager:	Pat McCasland
Address:	P.O. Box 1558
City:	Eunice
State:	NM
Zip:	88231
Phone #:	575.631.1667
Fax #: (email)	mccasland_67@msn.com
Project #:	20181130Tz
Project Owner:	S. Miller
Project Name:	Treatment Zone Sampling
Project Location:	EPI Land Farm
Sampler Name:	Pat McCasland

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TPH SDI5M Extended
BTEX (8021B or 8260B)
Chloride (300.1) 4500B

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME
H803523														
11	EPI20181130Tz-#11	C				✓					✓		11.30.18	9:52
12	EPI20181130Tz-#12	C				✓					✓		11.30.18	10:10
13	EPI20181130Tz-#13	C				✓					✓		11.30.18	10:20
14	EPI20181130Tz-#14	C				✓					✓		11.30.18	10:29
15	EPI20181130Tz-#15	C				✓					✓		11.30.18	10:35

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11/30/18	Received By:	
Relinquished By:	Time: 14:56	Received By:	
	Date:		
	Time:		

Phone Result: ☐ Yes ☑ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
mccasland_67@msn.com

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 10.1°C

Sample Condition: Cool ☐ Yes ☑ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) CoH #97

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 14, 2019

Pat McCasland

Environmental Plus, Inc
PO Box 1558
Eunice, NM 88231
TEL: (575) 631-1667
FAX

RE: EPI Landfarm OrderNo.: 1903424

Dear Pat McCasland:

Hall Environmental Analysis Laboratory received 15 sample(s) on 3/8/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901 Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Client Sample ID: 20190307EPIC1TZ
Project: EPI Landfarm
Collection Date: 3/7/2019 9:16:00 AM
Lab ID: 1903424-001
Matrix: SOIL
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	18	9.5		mg/Kg	1	3/12/2019 3:04:10 PM
Motor Oil Range Organics (MRO)	140	48		mg/Kg	1	3/12/2019 3:04:10 PM
Surr: DNOP	98.0	70-130		%Rec	1	3/12/2019 3:04:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2019 3:00:22 PM
Surr: BFB	95.5	73.8-119		%Rec	1	3/12/2019 3:00:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/12/2019 3:00:22 PM
Toluene	ND	0.047		mg/Kg	1	3/12/2019 3:00:22 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2019 3:00:22 PM
Xylenes, Total	ND	0.094		mg/Kg	1	3/12/2019 3:00:22 PM
Surr: 4-Bromofluorobenzene	98.3	80-120		%Rec	1	3/12/2019 3:00:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 7:15:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-002
Matrix: SOIL

Client Sample ID: 20190307EPIC2TZ
Collection Date: 3/7/2019 9:36:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	820	96		mg/Kg	10	3/13/2019 12:10:19 PM
Motor Oil Range Organics (MRO)	1600	480		mg/Kg	10	3/13/2019 12:10:19 PM
Surr: DNOP	0	70-130	S	%Rec	10	3/13/2019 12:10:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2019 4:10:56 PM
Surr: BFB	96.6	73.8-119		%Rec	1	3/12/2019 4:10:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/12/2019 4:10:56 PM
Toluene	ND	0.047		mg/Kg	1	3/12/2019 4:10:56 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2019 4:10:56 PM
Xylenes, Total	ND	0.093		mg/Kg	1	3/12/2019 4:10:56 PM
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	3/12/2019 4:10:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	310	60		mg/Kg	20	3/12/2019 7:52:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-003
Matrix: SOIL

Client Sample ID: 20190307EPIC3TZ
Collection Date: 3/7/2019 9:50:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	120	9.7		mg/Kg	1	3/12/2019 4:32:53 PM
Motor Oil Range Organics (MRO)	340	48		mg/Kg	1	3/12/2019 4:32:53 PM
Surr: DNOP	102	70-130		%Rec	1	3/12/2019 4:32:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2019 6:55:16 PM
Surr: BFB	95.2	73.8-119		%Rec	1	3/12/2019 6:55:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/12/2019 6:55:16 PM
Toluene	ND	0.048		mg/Kg	1	3/12/2019 6:55:16 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2019 6:55:16 PM
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2019 6:55:16 PM
Surr: 4-Bromofluorobenzene	99.3	80-120		%Rec	1	3/12/2019 6:55:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 8:30:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-004
Matrix: SOIL

Client Sample ID: 20190307EPIC4TZ
Collection Date: 3/7/2019 10:00:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	65	9.6		mg/Kg	1	3/12/2019 5:17:18 PM
Motor Oil Range Organics (MRO)	280	48		mg/Kg	1	3/12/2019 5:17:18 PM
Surr: DNOP	93.9	70-130		%Rec	1	3/12/2019 5:17:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2019 7:18:49 PM
Surr: BFB	96.2	73.8-119		%Rec	1	3/12/2019 7:18:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/12/2019 7:18:49 PM
Toluene	ND	0.049		mg/Kg	1	3/12/2019 7:18:49 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2019 7:18:49 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/12/2019 7:18:49 PM
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	3/12/2019 7:18:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 8:42:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-005
Matrix: SOIL

Client Sample ID: 20190307EPIC5TZ
Collection Date: 3/7/2019 10:10:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	62	9.7		mg/Kg	1	3/12/2019 6:01:32 PM
Motor Oil Range Organics (MRO)	260	49		mg/Kg	1	3/12/2019 6:01:32 PM
Surr: DNOP	96.1	70-130		%Rec	1	3/12/2019 6:01:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2019 7:42:27 PM
Surr: BFB	91.1	73.8-119		%Rec	1	3/12/2019 7:42:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/12/2019 7:42:27 PM
Toluene	ND	0.048		mg/Kg	1	3/12/2019 7:42:27 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2019 7:42:27 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/12/2019 7:42:27 PM
Surr: 4-Bromofluorobenzene	94.3	80-120		%Rec	1	3/12/2019 7:42:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 8:54:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-006
Matrix: SOIL

Client Sample ID: 20190307EPIC6TZ
Collection Date: 3/7/2019 10:20:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	18	10		mg/Kg	1	3/12/2019 7:07:37 PM
Motor Oil Range Organics (MRO)	120	50		mg/Kg	1	3/12/2019 7:07:37 PM
Surr: DNOP	90.4	70-130		%Rec	1	3/12/2019 7:07:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2019 8:05:55 PM
Surr: BFB	94.0	73.8-119		%Rec	1	3/12/2019 8:05:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/12/2019 8:05:55 PM
Toluene	ND	0.047		mg/Kg	1	3/12/2019 8:05:55 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2019 8:05:55 PM
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2019 8:05:55 PM
Surr: 4-Bromofluorobenzene	97.9	80-120		%Rec	1	3/12/2019 8:05:55 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 9:07:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-007
Matrix: SOIL

Client Sample ID: 20190307EPIC7TZ
Collection Date: 3/7/2019 10:40:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	170	9.5		mg/Kg	1	3/12/2019 7:51:25 PM
Motor Oil Range Organics (MRO)	300	48		mg/Kg	1	3/12/2019 7:51:25 PM
Surr: DNOP	106	70-130		%Rec	1	3/12/2019 7:51:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2019 8:29:31 PM
Surr: BFB	95.1	73.8-119		%Rec	1	3/12/2019 8:29:31 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/12/2019 8:29:31 PM
Toluene	ND	0.049		mg/Kg	1	3/12/2019 8:29:31 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2019 8:29:31 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/12/2019 8:29:31 PM
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	1	3/12/2019 8:29:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 9:19:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-008
Matrix: SOIL

Client Sample ID: 20190307EPIC8TZ
Collection Date: 3/7/2019 10:45:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	24	9.4		mg/Kg	1	3/12/2019 8:35:07 PM
Motor Oil Range Organics (MRO)	170	47		mg/Kg	1	3/12/2019 8:35:07 PM
Surr: DNOP	92.2	70-130		%Rec	1	3/12/2019 8:35:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2019 8:52:50 PM
Surr: BFB	96.2	73.8-119		%Rec	1	3/12/2019 8:52:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/12/2019 8:52:50 PM
Toluene	ND	0.047		mg/Kg	1	3/12/2019 8:52:50 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2019 8:52:50 PM
Xylenes, Total	ND	0.094		mg/Kg	1	3/12/2019 8:52:50 PM
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	1	3/12/2019 8:52:50 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 9:32:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-009
Matrix: SOIL

Client Sample ID: 20190307EPIC9TZ
Collection Date: 3/7/2019 10:50:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	38	9.6		mg/Kg	1	3/12/2019 9:18:46 PM
Motor Oil Range Organics (MRO)	220	48		mg/Kg	1	3/12/2019 9:18:46 PM
Surr: DNOP	85.5	70-130		%Rec	1	3/12/2019 9:18:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2019 9:16:20 PM
Surr: BFB	93.7	73.8-119		%Rec	1	3/12/2019 9:16:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/12/2019 9:16:20 PM
Toluene	ND	0.049		mg/Kg	1	3/12/2019 9:16:20 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2019 9:16:20 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/12/2019 9:16:20 PM
Surr: 4-Bromofluorobenzene	97.3	80-120		%Rec	1	3/12/2019 9:16:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 9:44:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-010
Matrix: SOIL

Client Sample ID: 20190307EPIC10TZ
Collection Date: 3/7/2019 11:00:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/12/2019 10:02:38 PM
Motor Oil Range Organics (MRO)	57	48		mg/Kg	1	3/12/2019 10:02:38 PM
Surr: DNOP	88.3	70-130		%Rec	1	3/12/2019 10:02:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2019 9:39:42 PM
Surr: BFB	94.7	73.8-119		%Rec	1	3/12/2019 9:39:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/12/2019 9:39:42 PM
Toluene	ND	0.048		mg/Kg	1	3/12/2019 9:39:42 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2019 9:39:42 PM
Xylenes, Total	ND	0.096		mg/Kg	1	3/12/2019 9:39:42 PM
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	3/12/2019 9:39:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 9:56:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-011
Matrix: SOIL

Client Sample ID: 20190307EPIC11TZ
Collection Date: 3/7/2019 11:15:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/12/2019 10:46:29 PM
Motor Oil Range Organics (MRO)	58	48		mg/Kg	1	3/12/2019 10:46:29 PM
Surr: DNOP	81.3	70-130		%Rec	1	3/12/2019 10:46:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/12/2019 10:03:14 PM
Surr: BFB	96.3	73.8-119		%Rec	1	3/12/2019 10:03:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/12/2019 10:03:14 PM
Toluene	ND	0.050		mg/Kg	1	3/12/2019 10:03:14 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/12/2019 10:03:14 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/12/2019 10:03:14 PM
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	3/12/2019 10:03:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 10:09:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-012
Matrix: SOIL

Client Sample ID: 20190307EPIC12TZ
Collection Date: 3/7/2019 11:20:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	150	9.7		mg/Kg	1	3/12/2019 11:30:19 PM
Motor Oil Range Organics (MRO)	390	48		mg/Kg	1	3/12/2019 11:30:19 PM
Surr: DNOP	97.4	70-130		%Rec	1	3/12/2019 11:30:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2019 10:26:46 PM
Surr: BFB	93.6	73.8-119		%Rec	1	3/12/2019 10:26:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/12/2019 10:26:46 PM
Toluene	ND	0.049		mg/Kg	1	3/12/2019 10:26:46 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2019 10:26:46 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/12/2019 10:26:46 PM
Surr: 4-Bromofluorobenzene	96.5	80-120		%Rec	1	3/12/2019 10:26:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 10:21:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-013
Matrix: SOIL

Client Sample ID: 20190307EPIC13TZ
Collection Date: 3/7/2019 11:25:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	76	9.9		mg/Kg	1	3/13/2019 12:14:15 AM
Motor Oil Range Organics (MRO)	270	49		mg/Kg	1	3/13/2019 12:14:15 AM
Surr: DNOP	110	70-130		%Rec	1	3/13/2019 12:14:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/13/2019 12:00:41 AM
Surr: BFB	94.8	73.8-119		%Rec	1	3/13/2019 12:00:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.031	0.024		mg/Kg	1	3/13/2019 12:00:41 AM
Toluene	ND	0.049		mg/Kg	1	3/13/2019 12:00:41 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/13/2019 12:00:41 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/13/2019 12:00:41 AM
Surr: 4-Bromofluorobenzene	97.7	80-120		%Rec	1	3/13/2019 12:00:41 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 10:59:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-014
Matrix: SOIL

Client Sample ID: 20190307EPIC14TZ
Collection Date: 3/7/2019 11:30:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/13/2019 12:58:01 AM
Motor Oil Range Organics (MRO)	70	50		mg/Kg	1	3/13/2019 12:58:01 AM
Surr: DNOP	94.9	70-130		%Rec	1	3/13/2019 12:58:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/13/2019 12:23:59 AM
Surr: BFB	94.4	73.8-119		%Rec	1	3/13/2019 12:23:59 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/13/2019 12:23:59 AM
Toluene	ND	0.048		mg/Kg	1	3/13/2019 12:23:59 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/13/2019 12:23:59 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/13/2019 12:23:59 AM
Surr: 4-Bromofluorobenzene	98.3	80-120		%Rec	1	3/13/2019 12:23:59 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 11:11:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1903424**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **3/14/2019**

CLIENT: Environmental Plus, Inc
Project: EPI Landfarm
Lab ID: 1903424-015
Matrix: SOIL

Client Sample ID: 20190307EPIC15TZ
Collection Date: 3/7/2019 11:35:00 AM
Received Date: 3/8/2019 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	16	9.6		mg/Kg	1	3/13/2019 1:41:45 AM
Motor Oil Range Organics (MRO)	100	48		mg/Kg	1	3/13/2019 1:41:45 AM
Surr: DNOP	87.3	70-130		%Rec	1	3/13/2019 1:41:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/13/2019 12:47:28 AM
Surr: BFB	96.5	73.8-119		%Rec	1	3/13/2019 12:47:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.025	0.025		mg/Kg	1	3/13/2019 12:47:28 AM
Toluene	ND	0.049		mg/Kg	1	3/13/2019 12:47:28 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/13/2019 12:47:28 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/13/2019 12:47:28 AM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	3/13/2019 12:47:28 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	3/12/2019 11:23:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1903424**

Hall Environmental Analysis Laboratory, Inc.

14-Mar-19

Client: Environmental Plus, Inc

Project: EPI Landfarm

Sample ID: **MB-43634** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **43634** RunNo: **58294**

Prep Date: **3/12/2019** Analysis Date: **3/12/2019** SeqNo: **1956171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-43634** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **43634** RunNo: **58294**

Prep Date: **3/12/2019** Analysis Date: **3/12/2019** SeqNo: **1956172** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1903424**

Hall Environmental Analysis Laboratory, Inc.

14-Mar-19

Client: Environmental Plus, Inc

Project: EPI Landfarm

Sample ID: **LCS-43617** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **43617** RunNo: **58283**

Prep Date: **3/11/2019** Analysis Date: **3/12/2019** SeqNo: **1955417** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	63.9	124			
Surr: DNOP	5.2		5.000		103	70	130			

Sample ID: **MB-43617** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **43617** RunNo: **58283**

Prep Date: **3/11/2019** Analysis Date: **3/12/2019** SeqNo: **1955418** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quanitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1903424**

Hall Environmental Analysis Laboratory, Inc.

14-Mar-19

Client: Environmental Plus, Inc

Project: EPI Landfarm

Sample ID: **MB-43586** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **43586** RunNo: **58288**
Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955663** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **MB-43586** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **43586** RunNo: **58288**
Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955699** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.5	73.8	119			

Sample ID: **LCS-43586** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **43586** RunNo: **58288**
Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955664** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	80.1	123			
Surr: BFB	1100		1000		107	73.8	119			

Sample ID: **1903424-001AMS** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **20190307EPIC1TZ** Batch ID: **43586** RunNo: **58288**
Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955666** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.20	0	98.4	69.1	142			
Surr: BFB	1000		968.1		106	73.8	119			

Sample ID: **1903424-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **20190307EPIC1TZ** Batch ID: **43586** RunNo: **58288**
Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955667** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	23.92	0	110	69.1	142	10.2	20	
Surr: BFB	1100		956.9		110	73.8	119	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1903424**

Hall Environmental Analysis Laboratory, Inc.

14-Mar-19

Client: Environmental Plus, Inc

Project: EPI Landfarm

Sample ID: **1903424-002AMSD** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **20190307EPIC2TZ** Batch ID: **43586** RunNo: **58288**

Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955704** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9728	0.01119	87.4	63.9	127	3.66	20	
Toluene	0.91	0.049	0.9728	0.01045	92.9	69.9	131	0.0575	20	
Ethylbenzene	0.92	0.049	0.9728	0	94.9	71	132	0.578	20	
Xylenes, Total	2.8	0.097	2.918	0	95.2	71.8	131	0.622	20	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

B Analyte detected in the associated Method Blank

D Sample Diluted Due to Matrix

E Value above quantitation range

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

P Sample pH Not In Range

PQL Practical Quanitative Limit

RL Reporting Detection Limit

S % Recovery outside of range due to dilution or matrix

W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1903424**

Hall Environmental Analysis Laboratory, Inc.

14-Mar-19

Client: Environmental Plus, Inc

Project: EPI Landfarm

Surr: 4-Bromofluorobenzene	0.95		0.9728		97.3	80	120	0	0

Benzene	ND	0.025						
Toluene	ND	0.050						
Ethylbenzene	ND	0.050						
Xylenes, Total	ND	0.10						
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120	

Sample ID: **LCS-43586** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **43586** RunNo: **58288**

Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955700** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.9	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: **1903424-002AMS** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **20190307EPIC2TZ** Batch ID: **43586** RunNo: **58288**

Prep Date: **3/8/2019** Analysis Date: **3/12/2019** SeqNo: **1955703** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.023	0.9381	0.01119	87.3	63.9	127			
Toluene	0.91	0.047	0.9381	0.01045	96.4	69.9	131			
Ethylbenzene	0.93	0.047	0.9381	0	99.0	71	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

B Analyte detected in the associated Method Blank

D Sample Diluted Due to Matrix

E Value above quantitation range

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

P Sample pH Not In Range

PQL Practical Quanitative Limit

RL Reporting Detection Limit

S % Recovery outside of range due to dilution or matrix

W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1903424**

Hall Environmental Analysis Laboratory, Inc.

14-Mar-19

Client: Environmental Plus, Inc

Project: EPI Landfarm

Xylenes, Total	2.8	0.094	2.814	0	99.3	71.8	131
Surr: 4-Bromofluorobenzene	0.95		0.9381		102	80	120

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quanitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

 ND Not Detected

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENVIRONMENTAL PLUS Work Order Number: 1903424 RcptNo: 1

Received By: Isaiah Ortiz 3/8/2019 8:45:00 AM I-OK

Completed By: Victoria Zellar 3/8/2019 11:04:01 AM Victoria Zellar labeled by IO 3/8/19

Reviewed By: TMM 3.8.19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2. How was the sample delivered?	Courier			

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐	
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐	
5. Sample(s) in proper container(s)?	Yes ☑	No ☐		
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐		
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑	
10. Were any sample containers received broken?	Yes ☐	No ☑		
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: 3/8/19 (<2 or >12 unless noted)	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?	
13. Is it clear what analyses were requested?	Yes ☑	No ☐		
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:	

IO

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	ENVIRONMENTAL PLUS, INC.
Mailing Address:	ATT: SHERRY MILLER PO BOX 1558 EUNICE, NM 88231
Phone #:	575.631.1667
email or Fax#:	MCCASLAND_67@MSN.COM
QA/QC Package:	Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ Az Compliance ☐ NELAC ☐ Other
EDD (Type)	

Turn-Around Time: ☑ Standard ☐ Rush

Project Name: EPI LANDFARM

Project #:

Project Manager: PAT MCCASLAND

Sampler: "

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.3°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1903424	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
9:16	Soil	20190307EPIC1TZ	4oz 1	ICE	-001											See attached
9:36		20190307EPIC2TZ			-002											
9:50		20190307EPIC3TZ			-003											
10:00		20190307EPIC4TZ			-004											
10:10		20190307EPIC5TZ			-005											
10:20		20190307EPIC6TZ			-006											
10:40		20190307EPIC7TZ			-007											
10:45		20190307EPIC8TZ			-008											
10:50		20190307EPIC9TZ			-009											
11:00		20190307EPIC10TZ			-010											
11:15		20190307EPIC11TZ			-011											
11:20		20190307EPIC12TZ			-012											

	Relinquished by:	Received by:	Via:	Date	Time
Time: 1530				3/7/19	1530
Time: 1900		I-Con courier		3/8/19	0545

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

Analytical Report
Lab Order **1912719**

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Chain-of-Custody Record

Client: Environmental Plus, Inc.
Mailing Address: PO Box 1558
Phone #: (575) 631-6977
email or Fax#: mcasland_pat@msn.com
QA/QC Package: ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ Other
☐ NELAC
EDD (Type)

Turn-Around Time: ☐ Standard ☐ Rush
Project Name: Environmental Plus, Inc. Laboratory
Project #:
Project Manager: PAT McCASLAND
Sampler: "
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 1.3°C

Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	See Attached
11:25	Soil	20190307EPTC13TZ	4oz. 1	Ice	-013											5
11:30	↓	20190307EPTC14TZ	↓	↓	-014											
11:35	↓	20190307EPTC15TZ	↓	↓	-015											

Remarks:

Relinquished by: [signature] Received by: [signature] Via: [signature] Date: 3/7/19 Time: 1530
Relinquished by: [signature] Received by: [signature] Via: courier Date: 3/8/19 Time: 0845
Relinquished by: [signature] Received by: [signature] Via: [signature] Date: 3/8/19 Time: 1530

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

3/3/2019 Land farm closure - taborskip505@gmail.com - Gmail

Gmail Search mail

Compose

Inbox 1
Starred
Snoozed
Important
Sent
Drafts
Categories
2015 vacation
2016 lease
2017 lease
2018 lease
2018 tax
allstate
skip

No Hangouts contacts
Find someone

4 background. (16 point composite samples from the 6" below ground surface from

19 jars

19.15.36 NMAC Parameter	EPA Method
TPH	EPA method 418.1 or 8015M Extended
Chloride (Cl)	EPA method ~~300.1~~ 4500
BTEX	EPA method8021B or 8260B
Benzene	8021B $60 / 8260B $80
GRO and DRO	EPA method 8015M
Arsenic (As)	EPA method 6010B or 6020
Barium (BA)	EPA method 6010B or 6020
Cadmium (Cd)	EPA method 6010B or 6020
Chromium (Cr)	EPA method 6010B or 6020
Lead (Pb)	EPA method 6010B or 6020
Total Mercury (Hg)	EPA method 6010B or 6020
Selenium (Se)	EPA method 6010B or 6020
Silver (Ag)	EPA method 6010B or 6020
Copper (Cu)	EPA method 6010B or 6020
Iron (Fe)	EPA method 6010B or 6020
Manganese (Mn)	EPA method 6010B or 6020
Zinc (Zn)	EPA method 6010B or 6020

Pat

Sent from Mail for Windows 10

From: Skip Tabor <taborskip505@gmail.com>
Sent: Monday, February 25, 2019 11:41:01 AM

...

[Message clipped] View entire message

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Date Reported: **1/28/2020**
Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 28, 2020

Pat McCasland

Environmental Plus, Inc
PO Box 1558
Eunice, NM 88231
TEL: (575) 631-1667
FAX

RE: EPI Treatment Zone Monitoring OrderNo.: 1912719

Dear Pat McCasland:

Hall Environmental Analysis Laboratory received 15 sample(s) on 12/13/2019 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued January 02, 2020.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-001
Matrix: SOIL

Client Sample ID: 20191212C1TZM
Collection Date: 12/12/2019 10:29:00 AM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 6:37:15 PM	49349
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:13:45 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	4.9		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Arsenic	ND	4.9		mg/Kg	2	1/9/2020 2:24:09 PM	49677
Barium	40	0.20		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Beryllium	ND	0.30		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Chromium	5.1	0.59		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Copper	2.1	0.60		mg/Kg	2	1/15/2020 4:58:53 PM	49792
Iron	4100	250		mg/Kg	100	1/10/2020 12:03:00 PM	49677
Lead	1.6	0.49		mg/Kg	2	1/9/2020 4:59:44 PM	49677
Manganese	51	0.20		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Selenium	ND	4.9		mg/Kg	2	1/9/2020 2:24:09 PM	49677
Silver	ND	0.49		mg/Kg	2	1/10/2020 11:51:12 AM	49677
Zinc	13	4.9		mg/Kg	2	1/10/2020 11:51:12 AM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	26	9.8		mg/Kg	1	12/18/2019 3:35:17 PM	49356
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	12/18/2019 3:35:17 PM	49356
Surr: DNOP	123	70-130		%Rec	1	12/18/2019 3:35:17 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2019 9:37:20 PM	49336
Surr: BFB	78.8	66.6-105		%Rec	1	12/16/2019 9:37:20 PM	49336
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 9:37:20 PM	49336
Toluene	ND	0.047		mg/Kg	1	12/16/2019 9:37:20 PM	49336
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2019 9:37:20 PM	49336

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

Xylenes, Total	ND	0.094	mg/Kg	1	12/16/2019 9:37:20 PM	49336
Surr: 4-Bromofluorobenzene	98.4	80-120	%Rec	1	12/16/2019 9:37:20 PM	49336

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-002
Matrix: SOIL

Client Sample ID: 20191212C2TZM
Collection Date: 12/12/2019 11:00:00 AM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	130	60		mg/Kg	20	12/16/2019 6:49:36 PM	49349
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:19:45 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	4.8		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Arsenic	ND	4.8		mg/Kg	2	1/9/2020 2:33:10 PM	49677
Barium	230	0.19		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Beryllium	ND	0.29		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Cadmium	ND	0.19		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Chromium	4.2	0.58		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Copper	2.7	0.59		mg/Kg	2	1/15/2020 5:03:40 PM	49792
Iron	4000	240		mg/Kg	100	1/10/2020 12:06:41 PM	49677
Lead	4.3	0.48		mg/Kg	2	1/9/2020 5:04:37 PM	49677
Manganese	35	0.19		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Selenium	ND	4.8		mg/Kg	2	1/9/2020 2:33:10 PM	49677
Silver	0.67	0.48		mg/Kg	2	1/10/2020 12:04:51 PM	49677
Zinc	11	4.8		mg/Kg	2	1/10/2020 12:04:51 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	290	94		mg/Kg	10	12/17/2019 11:06:55 AM	49356
Motor Oil Range Organics (MRO)	720	470		mg/Kg	10	12/17/2019 11:06:55 AM	49356
Surr: DNOP	0	70-130	S	%Rec	10	12/17/2019 11:06:55 AM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/16/2019 9:59:55 PM	49336
Surr: BFB	79.2	66.6-105		%Rec	1	12/16/2019 9:59:55 PM	49336
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/16/2019 9:59:55 PM	49336
Toluene	ND	0.046		mg/Kg	1	12/16/2019 9:59:55 PM	49336
Ethylbenzene	ND	0.046		mg/Kg	1	12/16/2019 9:59:55 PM	49336

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

Xylenes, Total	ND	0.093	mg/Kg	1	12/16/2019 9:59:55 PM	49336
Surr: 4-Bromofluorobenzene	98.8	80-120	%Rec	1	12/16/2019 9:59:55 PM	49336

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-003
Matrix: SOIL

Client Sample ID: 20191212C3TZM
Collection Date: 12/12/2019 10:41:00 AM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 1:40:49 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:21:46 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.1		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Arsenic	ND	5.1		mg/Kg	2	1/9/2020 2:34:42 PM	49677
Barium	140	0.20		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Beryllium	0.38	0.30		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Chromium	6.2	0.61		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Copper	2.8	0.60		mg/Kg	2	1/15/2020 5:10:53 PM	49792
Iron	5700	250		mg/Kg	100	1/10/2020 12:08:31 PM	49677
Lead	6.9	0.51		mg/Kg	2	1/9/2020 5:07:54 PM	49677
Manganese	58	0.20		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Selenium	ND	5.1		mg/Kg	2	1/9/2020 2:34:42 PM	49677
Silver	ND	0.51		mg/Kg	2	1/10/2020 12:10:23 PM	49677
Zinc	16	5.1		mg/Kg	2	1/10/2020 12:10:23 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	33	9.3		mg/Kg	1	12/18/2019 3:59:25 PM	49356
Motor Oil Range Organics (MRO)	130	47		mg/Kg	1	12/18/2019 3:59:25 PM	49356
Surr: DNOP	123	70-130		%Rec	1	12/18/2019 3:59:25 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2019 10:22:29 PM	49336
Surr: BFB	79.4	66.6-105		%Rec	1	12/16/2019 10:22:29 PM	49336
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 10:22:29 PM	49336
Toluene	ND	0.049		mg/Kg	1	12/16/2019 10:22:29 PM	49336
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2019 10:22:29 PM	49336
Xylenes, Total	ND	0.098		mg/Kg	1	12/16/2019 10:22:29 PM	49336
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	12/16/2019 10:22:29 PM	49336

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-004
Matrix: SOIL

Client Sample ID: 20191212C4TZM
Collection Date: 12/12/2019 11:11:00 AM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 1:53:10 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:23:49 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.0		mg/Kg	2	1/10/2020 12:12:12 PM	49677
Arsenic	ND	5.0		mg/Kg	2	1/9/2020 2:36:15 PM	49677
Barium	89	0.20		mg/Kg	2	1/10/2020 12:12:12 PM	49677
Beryllium	0.35	0.30		mg/Kg	2	1/10/2020 12:12:12 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:12:12 PM	49677
Chromium	5.6	0.60		mg/Kg	2	1/10/2020 12:12:12 PM	49677
Copper	ND	0.59		mg/Kg	2	1/15/2020 5:12:26 PM	49792
Iron	5300	250		mg/Kg	100	1/10/2020 12:14:02 PM	49677
Lead	1.6	0.50		mg/Kg	2	1/9/2020 5:09:33 PM	49677
Manganese	51	0.20		mg/Kg	2	1/10/2020 12:12:12 PM	49677
Selenium	ND	5.0		mg/Kg	2	1/9/2020 2:36:15 PM	49677
Silver	ND	0.49		mg/Kg	2	1/15/2020 5:12:26 PM	49792
Zinc	13	5.0		mg/Kg	2	1/10/2020 12:12:12 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	18	9.8		mg/Kg	1	12/18/2019 4:23:29 PM	49356
Motor Oil Range Organics (MRO)	78	49		mg/Kg	1	12/18/2019 4:23:29 PM	49356
Surr: DNOP	98.8	70-130		%Rec	1	12/18/2019 4:23:29 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2019 10:45:06 PM	49336
Surr: BFB	76.8	66.6-105		%Rec	1	12/16/2019 10:45:06 PM	49336
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 10:45:06 PM	49336
Toluene	ND	0.047		mg/Kg	1	12/16/2019 10:45:06 PM	49336
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2019 10:45:06 PM	49336
Xylenes, Total	ND	0.095		mg/Kg	1	12/16/2019 10:45:06 PM	49336
Surr: 4-Bromofluorobenzene	96.0	80-120		%Rec	1	12/16/2019 10:45:06 PM	49336

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-005
Matrix: SOIL

Client Sample ID: 20191212C5TZM
Collection Date: 12/12/2019 11:25:00 AM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 2:30:12 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:25:51 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.1		mg/Kg	2	1/10/2020 12:15:52 PM	49677
Arsenic	9.0	5.1		mg/Kg	2	1/9/2020 2:37:47 PM	49677
Barium	83	0.20		mg/Kg	2	1/10/2020 12:15:52 PM	49677
Beryllium	0.31	0.31		mg/Kg	2	1/10/2020 12:15:52 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:15:52 PM	49677
Chromium	5.6	0.61		mg/Kg	2	1/10/2020 12:15:52 PM	49677
Copper	2.5	0.59		mg/Kg	2	1/15/2020 5:17:12 PM	49792
Iron	4400	250		mg/Kg	100	1/10/2020 12:17:42 PM	49677
Lead	10	0.51		mg/Kg	2	1/9/2020 5:11:13 PM	49677
Manganese	58	0.20		mg/Kg	2	1/10/2020 12:15:52 PM	49677
Selenium	ND	5.1		mg/Kg	2	1/9/2020 2:37:47 PM	49677
Silver	ND	0.49		mg/Kg	2	1/15/2020 5:17:12 PM	49792
Zinc	18	5.1		mg/Kg	2	1/10/2020 12:15:52 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	46	10		mg/Kg	1	12/18/2019 4:47:46 PM	49356
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	12/18/2019 4:47:46 PM	49356
Surr: DNOP	99.7	70-130		%Rec	1	12/18/2019 4:47:46 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2019 12:36:42 PM	49340
Surr: BFB	75.0	66.6-105		%Rec	1	12/16/2019 12:36:42 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 12:36:42 PM	49340
Toluene	ND	0.049		mg/Kg	1	12/16/2019 12:36:42 PM	49340
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2019 12:36:42 PM	49340
Xylenes, Total	ND	0.098		mg/Kg	1	12/16/2019 12:36:42 PM	49340
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	12/16/2019 12:36:42 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-006
Matrix: SOIL

Client Sample ID: 20191212C6TZM
Collection Date: 12/12/2019 12:00:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	61		mg/Kg	20	12/16/2019 2:42:34 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:32:03 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	4.9		mg/Kg	2	1/10/2020 12:25:55 PM	49677
Arsenic	ND	4.9		mg/Kg	2	1/9/2020 2:39:19 PM	49677
Barium	73	0.19		mg/Kg	2	1/10/2020 12:25:55 PM	49677
Beryllium	0.41	0.29		mg/Kg	2	1/10/2020 12:25:55 PM	49677
Cadmium	ND	0.19		mg/Kg	2	1/10/2020 12:25:55 PM	49677
Chromium	6.5	0.58		mg/Kg	2	1/10/2020 12:25:55 PM	49677
Copper	2.2	0.60		mg/Kg	2	1/15/2020 5:18:40 PM	49792
Iron	6700	240		mg/Kg	100	1/10/2020 12:27:47 PM	49677
Lead	2.0	0.49		mg/Kg	2	1/9/2020 5:12:51 PM	49677
Manganese	65	0.19		mg/Kg	2	1/10/2020 12:25:55 PM	49677
Selenium	ND	4.9		mg/Kg	2	1/9/2020 2:39:19 PM	49677
Silver	ND	0.50		mg/Kg	2	1/15/2020 5:18:40 PM	49792
Zinc	16	4.9		mg/Kg	2	1/10/2020 12:25:55 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2019 5:35:50 PM	49356
Motor Oil Range Organics (MRO)	59	49		mg/Kg	1	12/18/2019 5:35:50 PM	49356
Surr: DNOP	111	70-130		%Rec	1	12/18/2019 5:35:50 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/16/2019 1:47:12 PM	49340
Surr: BFB	76.1	66.6-105		%Rec	1	12/16/2019 1:47:12 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/16/2019 1:47:12 PM	49340
Toluene	ND	0.046		mg/Kg	1	12/16/2019 1:47:12 PM	49340
Ethylbenzene	ND	0.046		mg/Kg	1	12/16/2019 1:47:12 PM	49340
Xylenes, Total	ND	0.092		mg/Kg	1	12/16/2019 1:47:12 PM	49340
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	12/16/2019 1:47:12 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-007
Matrix: SOIL

Client Sample ID: 20191212C7TZM
Collection Date: 12/12/2019 12:10:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 2:54:56 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:34:06 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.0		mg/Kg	2	1/10/2020 12:29:39 PM	49677
Arsenic	ND	5.0		mg/Kg	2	1/9/2020 2:40:51 PM	49677
Barium	85	0.20		mg/Kg	2	1/10/2020 12:29:39 PM	49677
Beryllium	0.36	0.30		mg/Kg	2	1/10/2020 12:29:39 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:29:39 PM	49677
Chromium	6.0	0.60		mg/Kg	2	1/10/2020 12:29:39 PM	49677
Copper	1.8	0.59		mg/Kg	2	1/15/2020 5:20:12 PM	49792
Iron	5600	250		mg/Kg	100	1/10/2020 12:31:29 PM	49677
Lead	1.3	0.50		mg/Kg	2	1/9/2020 5:19:56 PM	49677
Manganese	50	0.20		mg/Kg	2	1/10/2020 12:29:39 PM	49677
Selenium	ND	5.0		mg/Kg	2	1/9/2020 2:40:51 PM	49677
Silver	ND	0.49		mg/Kg	2	1/15/2020 5:20:12 PM	49792
Zinc	15	5.0		mg/Kg	2	1/10/2020 12:29:39 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	21	9.9		mg/Kg	1	12/18/2019 5:59:39 PM	49356
Motor Oil Range Organics (MRO)	68	49		mg/Kg	1	12/18/2019 5:59:39 PM	49356
Surr: DNOP	97.0	70-130		%Rec	1	12/18/2019 5:59:39 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2019 2:10:26 PM	49340
Surr: BFB	75.7	66.6-105		%Rec	1	12/16/2019 2:10:26 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/16/2019 2:10:26 PM	49340
Toluene	ND	0.047		mg/Kg	1	12/16/2019 2:10:26 PM	49340
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2019 2:10:26 PM	49340
Xylenes, Total	ND	0.094		mg/Kg	1	12/16/2019 2:10:26 PM	49340
Surr: 4-Bromofluorobenzene	89.2	80-120		%Rec	1	12/16/2019 2:10:26 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-008
Matrix: SOIL

Client Sample ID: 20191212C8TZM
Collection Date: 12/12/2019 12:15:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 3:07:16 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:36:10 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.1		mg/Kg	2	1/10/2020 12:33:20 PM	49677
Arsenic	ND	5.1		mg/Kg	2	1/9/2020 2:42:23 PM	49677
Barium	80	0.20		mg/Kg	2	1/10/2020 12:33:20 PM	49677
Beryllium	0.41	0.31		mg/Kg	2	1/10/2020 12:33:20 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:33:20 PM	49677
Chromium	6.6	0.61		mg/Kg	2	1/10/2020 12:33:20 PM	49677
Copper	2.8	0.60		mg/Kg	2	1/15/2020 5:21:45 PM	49792
Iron	6500	260		mg/Kg	100	1/10/2020 12:35:03 PM	49677
Lead	2.0	0.51		mg/Kg	2	1/9/2020 5:21:37 PM	49677
Manganese	58	0.20		mg/Kg	2	1/10/2020 12:33:20 PM	49677
Selenium	ND	5.1		mg/Kg	2	1/9/2020 2:42:23 PM	49677
Silver	ND	0.50		mg/Kg	2	1/15/2020 5:21:45 PM	49792
Zinc	16	5.1		mg/Kg	2	1/10/2020 12:33:20 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	9.9	9.9		mg/Kg	1	12/18/2019 6:23:39 PM	49356
Motor Oil Range Organics (MRO)	82	49		mg/Kg	1	12/18/2019 6:23:39 PM	49356
Surr: DNOP	92.9	70-130		%Rec	1	12/18/2019 6:23:39 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2019 2:33:56 PM	49340
Surr: BFB	74.0	66.6-105		%Rec	1	12/16/2019 2:33:56 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 2:33:56 PM	49340
Toluene	ND	0.048		mg/Kg	1	12/16/2019 2:33:56 PM	49340
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2019 2:33:56 PM	49340
Xylenes, Total	ND	0.096		mg/Kg	1	12/16/2019 2:33:56 PM	49340
Surr: 4-Bromofluorobenzene	87.9	80-120		%Rec	1	12/16/2019 2:33:56 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-009
Matrix: SOIL
Client Sample ID: 20191212C9TZM
Collection Date: 12/12/2019 12:25:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 3:44:18 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:38:14 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.0		mg/Kg	2	1/10/2020 12:36:47 PM	49677
Arsenic	ND	5.0		mg/Kg	2	1/9/2020 2:43:54 PM	49677
Barium	62	0.20		mg/Kg	2	1/10/2020 12:36:47 PM	49677
Beryllium	0.39	0.30		mg/Kg	2	1/10/2020 12:36:47 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:36:47 PM	49677
Chromium	6.5	0.60		mg/Kg	2	1/10/2020 12:36:47 PM	49677
Copper	2.2	0.61		mg/Kg	2	1/15/2020 5:23:18 PM	49792
Iron	6600	250		mg/Kg	100	1/10/2020 12:38:36 PM	49677
Lead	1.4	0.50		mg/Kg	2	1/9/2020 5:23:15 PM	49677
Manganese	67	0.20		mg/Kg	2	1/10/2020 12:36:47 PM	49677
Selenium	ND	5.0		mg/Kg	2	1/9/2020 2:43:54 PM	49677
Silver	ND	0.51		mg/Kg	2	1/15/2020 5:23:18 PM	49792
Zinc	16	5.0		mg/Kg	2	1/10/2020 12:36:47 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	17	9.7		mg/Kg	1	12/18/2019 6:47:28 PM	49356
Motor Oil Range Organics (MRO)	94	48		mg/Kg	1	12/18/2019 6:47:28 PM	49356
Surr: DNOP	105	70-130		%Rec	1	12/18/2019 6:47:28 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2019 2:57:23 PM	49340
Surr: BFB	75.1	66.6-105		%Rec	1	12/16/2019 2:57:23 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/16/2019 2:57:23 PM	49340
Toluene	ND	0.049		mg/Kg	1	12/16/2019 2:57:23 PM	49340
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2019 2:57:23 PM	49340
Xylenes, Total	ND	0.098		mg/Kg	1	12/16/2019 2:57:23 PM	49340
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	12/16/2019 2:57:23 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-010
Matrix: SOIL
Client Sample ID: 20191212C10TZM
Collection Date: 12/12/2019 12:34:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 4:21:21 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:40:18 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	4.9		mg/Kg	2	1/10/2020 12:40:26 PM	49677
Arsenic	ND	4.9		mg/Kg	2	1/9/2020 2:45:26 PM	49677
Barium	34	0.19		mg/Kg	2	1/10/2020 12:40:26 PM	49677
Beryllium	0.33	0.29		mg/Kg	2	1/10/2020 12:40:26 PM	49677
Cadmium	ND	0.19		mg/Kg	2	1/10/2020 12:40:26 PM	49677
Chromium	6.3	0.58		mg/Kg	2	1/10/2020 12:40:26 PM	49677
Copper	1.6	0.60		mg/Kg	2	1/15/2020 5:24:53 PM	49792
Iron	5900	240		mg/Kg	100	1/10/2020 12:42:15 PM	49677
Lead	1.3	0.49		mg/Kg	2	1/9/2020 5:24:53 PM	49677
Manganese	61	0.19		mg/Kg	2	1/10/2020 12:40:26 PM	49677
Selenium	ND	4.9		mg/Kg	2	1/9/2020 2:45:26 PM	49677
Silver	ND	0.50		mg/Kg	2	1/15/2020 5:24:53 PM	49792
Zinc	13	4.9		mg/Kg	2	1/10/2020 12:40:26 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2019 7:11:26 PM	49356
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2019 7:11:26 PM	49356
Surr: DNOP	111	70-130		%Rec	1	12/18/2019 7:11:26 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2019 4:31:22 PM	49340
Surr: BFB	77.6	66.6-105		%Rec	1	12/16/2019 4:31:22 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/16/2019 4:31:22 PM	49340
Toluene	ND	0.047		mg/Kg	1	12/16/2019 4:31:22 PM	49340
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2019 4:31:22 PM	49340
Xylenes, Total	ND	0.094		mg/Kg	1	12/16/2019 4:31:22 PM	49340
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	12/16/2019 4:31:22 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-011
Matrix: SOIL

Client Sample ID: 20191212C11TZM
Collection Date: 12/12/2019 12:43:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 4:58:25 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:42:23 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.0		mg/Kg	2	1/10/2020 12:50:22 PM	49677
Arsenic	5.6	5.0		mg/Kg	2	1/9/2020 2:46:59 PM	49677
Barium	75	0.20		mg/Kg	2	1/10/2020 12:50:22 PM	49677
Beryllium	0.57	0.30		mg/Kg	2	1/10/2020 12:50:22 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:50:22 PM	49677
Chromium	8.6	0.60		mg/Kg	2	1/10/2020 12:50:22 PM	49677
Copper	3.4	0.61		mg/Kg	2	1/15/2020 5:26:26 PM	49792
Iron	9600	250		mg/Kg	100	1/10/2020 12:52:14 PM	49677
Lead	3.1	0.50		mg/Kg	2	1/9/2020 5:26:32 PM	49677
Manganese	120	0.20		mg/Kg	2	1/10/2020 12:50:22 PM	49677
Selenium	ND	5.0		mg/Kg	2	1/9/2020 2:46:59 PM	49677
Silver	ND	0.51		mg/Kg	2	1/15/2020 5:26:26 PM	49792
Zinc	21	5.0		mg/Kg	2	1/10/2020 12:50:22 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/18/2019 7:59:07 PM	49356
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2019 7:59:07 PM	49356
Surr: DNOP	96.6	70-130		%Rec	1	12/18/2019 7:59:07 PM	49356
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2019 4:54:43 PM	49340
Surr: BFB	76.9	66.6-105		%Rec	1	12/16/2019 4:54:43 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 4:54:43 PM	49340
Toluene	ND	0.048		mg/Kg	1	12/16/2019 4:54:43 PM	49340
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2019 4:54:43 PM	49340
Xylenes, Total	ND	0.095		mg/Kg	1	12/16/2019 4:54:43 PM	49340
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	12/16/2019 4:54:43 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-012
Matrix: SOIL

Client Sample ID: 20191212C12TZM
Collection Date: 12/12/2019 12:52:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 5:10:46 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	1/8/2020 10:44:21 AM	49680
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.1		mg/Kg	2	1/10/2020 12:54:06 PM	49677
Arsenic	ND	5.1		mg/Kg	2	1/9/2020 2:51:27 PM	49677
Barium	72	0.20		mg/Kg	2	1/10/2020 12:54:06 PM	49677
Beryllium	0.32	0.31		mg/Kg	2	1/10/2020 12:54:06 PM	49677
Cadmium	ND	0.20		mg/Kg	2	1/10/2020 12:54:06 PM	49677
Chromium	5.4	0.61		mg/Kg	2	1/10/2020 12:54:06 PM	49677
Copper	2.8	0.61		mg/Kg	2	1/15/2020 5:27:59 PM	49792
Iron	5400	260		mg/Kg	100	1/10/2020 12:55:55 PM	49677
Lead	2.7	0.51		mg/Kg	2	1/9/2020 5:28:10 PM	49677
Manganese	87	0.20		mg/Kg	2	1/10/2020 12:54:06 PM	49677
Selenium	ND	5.1		mg/Kg	2	1/9/2020 2:51:27 PM	49677
Silver	ND	0.51		mg/Kg	2	1/15/2020 5:27:59 PM	49792
Zinc	14	5.1		mg/Kg	2	1/10/2020 12:54:06 PM	49677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	50	20		mg/Kg	2	12/19/2019 2:19:25 PM	49386
Motor Oil Range Organics (MRO)	210	99		mg/Kg	2	12/19/2019 2:19:25 PM	49386
Surr: DNOP	96.9	70-130		%Rec	2	12/19/2019 2:19:25 PM	49386
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2019 5:18:06 PM	49340
Surr: BFB	73.3	66.6-105		%Rec	1	12/16/2019 5:18:06 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 5:18:06 PM	49340
Toluene	ND	0.048		mg/Kg	1	12/16/2019 5:18:06 PM	49340
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2019 5:18:06 PM	49340
Xylenes, Total	ND	0.096		mg/Kg	1	12/16/2019 5:18:06 PM	49340
Surr: 4-Bromofluorobenzene	88.8	80-120		%Rec	1	12/16/2019 5:18:06 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-013
Matrix: SOIL

Client Sample ID: 20191212C13TZM
Collection Date: 12/12/2019 1:00:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 5:23:07 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	12/20/2019 12:12:38 PM	49440
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.0		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Arsenic	ND	5.0		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Barium	46	0.20		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Beryllium	0.31	0.30		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Cadmium	ND	0.20		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Chromium	4.4	0.60		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Copper	1.6	0.60		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Iron	5100	250		mg/Kg	100	12/31/2019 11:07:44 AM	49414
Lead	2.3	0.50		mg/Kg	2	12/31/2019 11:06:02 AM	49414
Manganese	59	0.20		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Selenium	ND	5.0		mg/Kg	2	12/31/2019 2:31:17 PM	49414
Silver	ND	0.50		mg/Kg	2	12/24/2019 12:49:30 PM	49414
Zinc	10	5.0		mg/Kg	2	12/24/2019 12:49:30 PM	49414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	57	9.6		mg/Kg	1	12/23/2019 1:37:17 PM	49458
Motor Oil Range Organics (MRO)	210	48		mg/Kg	1	12/23/2019 1:37:17 PM	49458
Surr: DNOP	101	70-130		%Rec	1	12/23/2019 1:37:17 PM	49458
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2019 5:41:27 PM	49340
Surr: BFB	75.8	66.6-105		%Rec	1	12/16/2019 5:41:27 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 5:41:27 PM	49340
Toluene	ND	0.048		mg/Kg	1	12/16/2019 5:41:27 PM	49340
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2019 5:41:27 PM	49340
Xylenes, Total	ND	0.096		mg/Kg	1	12/16/2019 5:41:27 PM	49340
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	12/16/2019 5:41:27 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-014
Matrix: SOIL

Client Sample ID: 20191212C14TZM
Collection Date: 12/12/2019 1:03:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	12/16/2019 5:35:29 PM	49353
EPA METHOD 7471: MERCURY						Analyst: **pmf**	
Mercury	ND	0.033		mg/Kg	1	12/20/2019 12:18:38 PM	49440
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**	
Antimony	ND	5.0		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Arsenic	ND	5.0		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Barium	250	0.20		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Beryllium	0.44	0.30		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Cadmium	ND	0.20		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Chromium	6.1	0.60		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Copper	2.4	0.60		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Iron	6500	250		mg/Kg	100	12/31/2019 11:10:57 AM	49414
Lead	3.8	0.50		mg/Kg	2	12/31/2019 11:09:17 AM	49414
Manganese	73	0.20		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Selenium	ND	5.0		mg/Kg	2	12/31/2019 2:32:50 PM	49414
Silver	ND	0.50		mg/Kg	2	12/24/2019 12:59:18 PM	49414
Zinc	15	5.0		mg/Kg	2	12/24/2019 12:59:18 PM	49414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/19/2019 3:56:53 PM	49386
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/19/2019 3:56:53 PM	49386
Surr: DNOP	120	70-130		%Rec	1	12/19/2019 3:56:53 PM	49386
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2019 6:04:48 PM	49340
Surr: BFB	73.7	66.6-105		%Rec	1	12/16/2019 6:04:48 PM	49340
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2019 6:04:48 PM	49340
Toluene	ND	0.047		mg/Kg	1	12/16/2019 6:04:48 PM	49340
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2019 6:04:48 PM	49340
Xylenes, Total	ND	0.094		mg/Kg	1	12/16/2019 6:04:48 PM	49340
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	12/16/2019 6:04:48 PM	49340

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Treatment Zone Monitoring
Lab ID: 1912719-015
Matrix: SOIL

Client Sample ID: 20191212C15TZM
Collection Date: 12/12/2019 1:14:00 PM
Received Date: 12/13/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CJS**
Chloride	ND	60		mg/Kg	20	12/17/2019 7:07:35	
PM	49399						
EPA METHOD 7471: MERCURY							Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	12/20/2019 12:20:39 PM	49440
EPA METHOD 6010B: SOIL METALS							Analyst: **rde**
Antimony	ND	5.0		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Arsenic	ND	5.0		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Barium	72	0.20		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Beryllium	0.45	0.30		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Cadmium	ND	0.20		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Chromium	5.8	0.60		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Copper	1.7	0.60		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Iron	8000	250		mg/Kg	100	12/31/2019 11:21:08 AM	49414
Lead	2.3	0.50		mg/Kg	2	12/31/2019 11:19:26 AM	49414
Manganese	57	0.20		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Selenium	ND	5.0		mg/Kg	2	12/31/2019 2:34:22	
PM	49414						
Silver	ND	0.50		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
Zinc	14	5.0		mg/Kg	2	12/24/2019 1:01:14	
PM	49414						
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/19/2019 4:21:05	
PM	49386						
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/19/2019 4:21:05	
PM	49386						
Surr: DNOP	106	70-130		%Rec	1	12/19/2019 4:21:05	
PM	49386						
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2019 6:28:10	
PM	49340						
Surr: BFB	74.2	66.6-105		%Rec	1	12/16/2019 6:28:10	
PM	49340						
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/16/2019 6:28:10	
PM	49340						

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1912719**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

Toluene	ND	0.048	mg/Kg	1	12/16/2019 6:28:10
PM	49340				
Ethylbenzene	ND	0.048	mg/Kg	1	12/16/2019 6:28:10
PM	49340				
Xylenes, Total	ND	0.096	mg/Kg	1	12/16/2019 6:28:10
PM	49340				
Surr: 4-Bromofluorobenzene	91.0	80-120	%Rec	1	12/16/2019 6:28:10
PM	49340				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

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ANALYTICAL REPORT

January 28, 2020

Hall Environmental Analysis Laboratory

Sample Delivery Group: L1182730

Samples Received: 01/24/2020

Project Number:

Description:

Report To:

4901 Hawkins NE

Albuquerque, NM 87109

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

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Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:23	TRB	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
	12/12/19 11:00	01/24/20 09:00

1912719-002A 20191212C2TZM L1182730-02 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:26	TRB	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
	12/12/19 10:41	01/24/20 09:00

1912719-003A 20191212C3TZM L1182730-03 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:29	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-001A 20191212C1TZM L1182730-01 Solid		12/12/19 10:29	01/24/20 09:00

	Collected by	Collected date/time	Received date/time
1912719-004A 20191212C4TZM L1182730-04 Solid		12/12/19 11:11	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:31	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-005A 20191212C5TZM L1182730-05 Solid		12/12/19 11:25	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:34	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-006A 20191212C6TZM L1182730-06 Solid		12/12/19 12:00	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:37	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-007A 20191212C7TZM L1182730-07 Solid		12/12/19 12:10	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:39	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-008A 20191212C8TZM L1182730-08 Solid		12/12/19 12:15	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:42	TRB	Mt. Juliet, TN

1 Cp

2 Tc

II. SAMPLE SUMMARY

			Collected by	Collected date/time	Received date/time
1912719-009A 20191212C9TZM L1182730-09 Solid				12/12/19 12:25	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:50	TRB	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time
1912719-010A 20191212C10TZM L1182730-10 Solid				12/12/19 12:34	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:53	TRB	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time
1912719-011A 20191212C11TZM L1182730-11 Solid				12/12/19 12:43	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:55	TRB	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time
1912719-012A 20191212C12TZM L1182730-12 Solid				12/12/19 12:52	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 01:58	TRB	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time
1912719-013A 20191212C13TZM L1182730-13 Solid				12/12/19 13:00	01/24/20 09:00

Method	Batch	Dilution	Preparation	Analysis	Analyst	Location

			date/time	date/time		
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 02:01	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-014A 20191212C14TZM L1182730-14 Solid		12/12/19 13:03	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 02:03	TRB	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
1912719-015A 20191212C15TZM L1182730-15 Solid		12/12/19 13:14	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location

Metals (ICP) by Method 6010B	WG1417156	1	01/26/20 05:57	01/28/20 00:55	TRB	Mt. Juliet, TN

III. CASE NARRATIVE

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

Daphne Richards
Project Manager

1912719-001A 20191212C1TZM
Collected date/time: 12/12/19 10:29

SAMPLE RESULTS - 01

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:23

	Qualifier	Batch
		WG1417156

1912719-002A 20191212C2TZM
Collected date/time: 12/12/19 11:00

SAMPLE RESULTS - 02

L1182730

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/28/2020 01:26

	Qualifier	Batch
		WG1417156

1912719-003A 20191212C3TZM
Collected date/time: 12/12/19 10:41

SAMPLE RESULTS - 03

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:29

	Qualifier	Batch
		WG1417156

1912719-004A 20191212C4TZM
Collected date/time: 12/12/19 11:11

SAMPLE RESULTS - 04

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:31

	Qualifier	Batch
		WG1417156

1912719-005A 20191212C5TZM
Collected date/time: 12/12/19 11:25

SAMPLE RESULTS - 05

L1182730

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/28/2020 01:34

	Qualifier	Batch
		WG1417156

1912719-006A 20191212C6TZM
Collected date/time: 12/12/19 12:00

SAMPLE RESULTS - 06

L1182730

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/28/2020 01:37

	Qualifier	Batch
		WG1417156

1912719-007A 20191212C7TZM
Collected date/time: 12/12/19 12:10

SAMPLE RESULTS - 07

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:39

	Qualifier	Batch
		WG1417156

1912719-008A 20191212C8TZM
Collected date/time: 12/12/19 12:15

SAMPLE RESULTS - 08

L1182730

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/28/2020 01:42

	Qualifier	Batch
		WG1417156

1912719-009A 20191212C9TZM
Collected date/time: 12/12/19 12:25

SAMPLE RESULTS - 09

L1182730

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/28/2020 01:50

	Qualifier	Batch
		WG1417156

1912719-010A 20191212C10TZM
Collected date/time: 12/12/19 12:34

SAMPLE RESULTS - 10

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:53

	Qualifier	Batch
		WG1417156

1912719-011A 20191212C11TZM
Collected date/time: 12/12/19 12:43

SAMPLE RESULTS - 11

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:55

	Qualifier	Batch
		WG1417156

1912719-012A 20191212C12TZM
Collected date/time: 12/12/19 12:52

SAMPLE RESULTS - 12

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 01:58

	Qualifier	Batch
		WG1417156

1912719-013A 20191212C13TZM
Collected date/time: 12/12/19 13:00

SAMPLE RESULTS - 13

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 02:01

	Qualifier	Batch
		WG1417156

1912719-014A 20191212C14TZM
Collected date/time: 12/12/19 13:03

SAMPLE RESULTS - 14

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 02:03

	Qualifier	Batch
		WG1417156

1912719-015A 20191212C15TZM
Collected date/time: 12/12/19 13:14

SAMPLE RESULTS - 15

L1182730

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/28/2020 00:55

Method Blank (MB)

(MB) R3494606-1 01/28/20 00:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Thallium	U		0.650	2.00

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

(LCS) R3494606-2 01/28/2 00:50 • (LCSD) R3494606- 01/28/20 00:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Thallium	100	92.6	93.2	92.6	93.2	80.0-120			0.702	20

L1182730-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1182730-15 01/28/20 00:55 • (MS) R3494606-6 01/28/20 01:02 • (MSD) R3494606-7 01/28/20 01:05

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Thallium	100	ND	93.5	85.8	93.5	85.8	1	75.0-125			8.53	20

GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.

Guide to Reading and Understanding Your Laboratory Report

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

Tc Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Re

Abbreviations and Definitions

1 Cp

2 Results I

3 Ss

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

Sc

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE. * Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

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

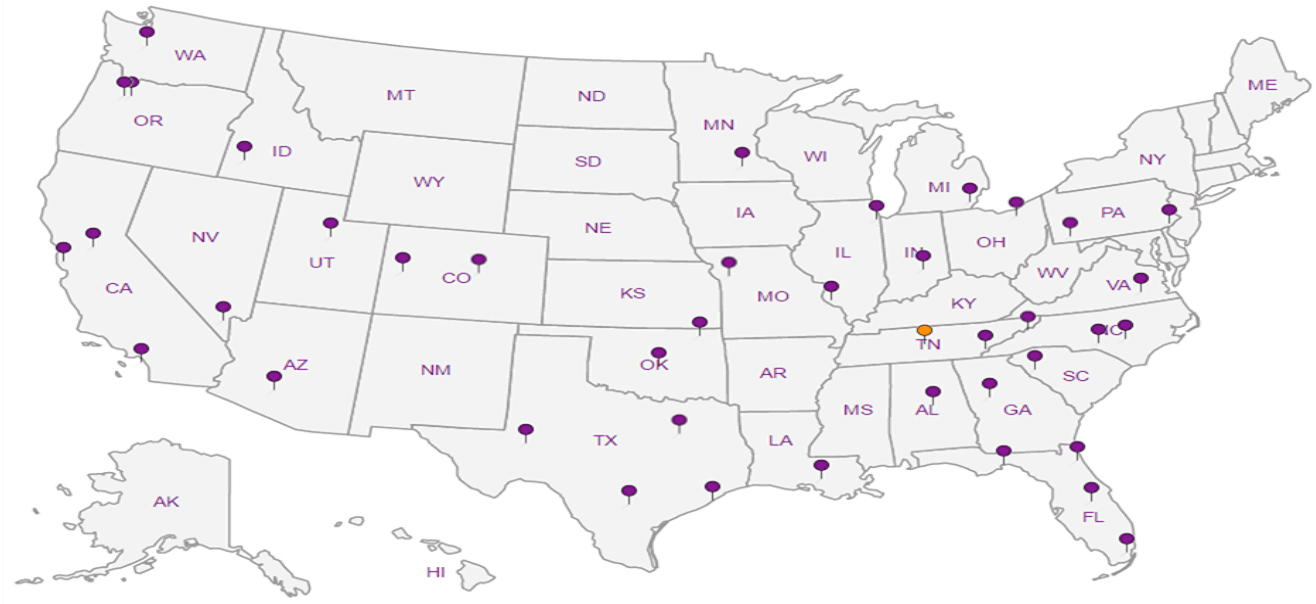
State Accreditations

EPA–Crypto	TN00003

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

Our Locations

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



HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 2

D125

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: ESC PACE	COMPANY: ESC PACE	PHONE: (800) 767-5859	FAX: (615) 758-5859
ADDRESS: 12065 Lebanon Rd		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Mt. Juliet, TN 37122			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	1912719-001A	20191212C1TZM	4OZGU	Soil	12/12/2019 10:29:00 AM	1	Total Thalium L1182730-01
2	1912719-002A	20191212C2TZM	4OZGU	Soil	12/12/2019 11:00:00 AM	1	Total Thalium 02
3	1912719-003A	20191212C3TZM	4OZGU	Soil	12/12/2019 10:41:00 AM	1	Total Thalium 03
4	1912719-004A	20191212C4TZM	4OZGU	Soil	12/12/2019 11:11:00 AM	1	Total Thalium 04
5	1912719-005A	20191212C5TZM	4OZGU	Soil	12/12/2019 11:25:00 AM	1	Total Thalium 05
6	1912719-006A	20191212C6TZM	4OZGU	Soil	12/12/2019 12:00:00 PM	1	Total Thalium 06
7	1912719-007A	20191212C7TZM	4OZGU	Soil	12/12/2019 12:10:00 PM	1	Total Thalium 07
8	1912719-008A	20191212C8TZM	4OZGU	Soil	12/12/2019 12:15:00 PM	1	Total Thalium 08
9	1912719-009A	20191212C9TZM	4OZGU	Soil	12/12/2019 12:25:00 PM	1	Total Thalium 09
10	1912719-010A	20191212C10TZM	4OZGU	Soil	12/12/2019 12:34:00 PM	1	Total Thalium 10
11	1912719-011A	20191212C11TZM	4OZGU	Soil	12/12/2019 12:43:00 PM	1	Total Thalium 11
12	1912719-012A	20191212C12TZM	4OZGU	Soil	12/12/2019 12:52:00 PM	1	Total Thalium 12
13	1912719-013A	20191212C13TZM	4OZGU	Soil	12/12/2019 1:00:00 PM	1	Total Thalium 13

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: MB	Date: 1/23/2020	Time: 11:08 AM	Received By:	Date: 1/24/2020	Time: 900
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 1.1, 5, 2.0, 1.6 °C Attempt to Cool ?
Comments: COC SI
RAD SCREEN: <0.5 mR/hr

4510 1669 2384

ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: ESC PACE	COMPANY: ESC PACE		PHONE: (800) 767-5859	FAX: (615) 758-5859	
ADDRESS: 12065 Lebanon Rd			ACCOUNT #:	EMAIL:	
CITY, STATE, ZIP: Mt. Juliet, TN 37122					

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
14	1912719-014A	20191212C14TZM	4OZGU	Soil	12/12/2019 1:03:00 PM	1	Total Thalium L1182730-14
15	1912719-015A	20191212C15TZM	4OZGU	Soil	12/12/2019 1:14:00 PM	1	Total Thalium 15

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: LS	Date: 1/23/2020	Time: 11:08 AM	Received By: [signature]	Date: 1/24/2020	Time: 900
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 1.1-5=0.6 °C A3m Attempt to Cool ?
Comments: RAD SCREEN: <0.5 mR/hr COCS I

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: HALLENVANM	L1182736	
Cooler Received/Opened On: 1/24/20 Temperature:	0.6	
Received By: Hailey Melson		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **MB-49349** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49349** RunNo: **65195**
Prep Date: **12/15/2019** Analysis Date: **12/15/2019** SeqNo: **2237827** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49349** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49349** RunNo: **65195**
Prep Date: **12/15/2019** Analysis Date: **12/15/2019** SeqNo: **2237828** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: **MB-49353** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49353** RunNo: **65201**
Prep Date: **12/16/2019** Analysis Date: **12/16/2019** SeqNo: **2239011** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49353** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49353** RunNo: **65201**
Prep Date: **12/16/2019** Analysis Date: **12/16/2019** SeqNo: **2239012** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Sample ID: **MB-49399** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49399** RunNo: **65234**
Prep Date: **12/17/2019** Analysis Date: **12/17/2019** SeqNo: **2240756** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **LCS-49356** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49356** RunNo: **65222**
Prep Date: **12/16/2019** Analysis Date: **12/17/2019** SeqNo: **2239165** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **LCS-49399** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49399** RunNo: **65234**
Prep Date: **12/17/2019** Analysis Date: **12/17/2019** SeqNo: **2240757** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			
Diesel Range Organics (DRO)	60	10	50.00	0	119	63.9	124			
Surr: DNOP	5.4		5.000		108	70	130			

Sample ID: **MB-49356** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49356** RunNo: **65222**
Prep Date: **12/16/2019** Analysis Date: **12/17/2019** SeqNo: **2239167** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: **LCS-49386** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49386** RunNo: **65247**
Prep Date: **12/17/2019** Analysis Date: **12/18/2019** SeqNo: **2240533** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	117	63.9	124			
Surr: DNOP	5.4		5.000		108	70	130			

Sample ID: **MB-49386** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49386** RunNo: **65247**
Prep Date: **12/17/2019** Analysis Date: **12/18/2019** SeqNo: **2240535** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **1912719-012AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20191212C12TZM** Batch ID: **49386** RunNo: **65281**
Prep Date: **12/17/2019** Analysis Date: **12/19/2019** SeqNo: **2243123** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		116	70	130			

Sample ID: **1912719-012AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20191212C12TZM** Batch ID: **49386** RunNo: **65281**
Prep Date: **12/17/2019** Analysis Date: **12/19/2019** SeqNo: **2243122** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	19	47.98	50.49	128	57	142			
Surr: DNOP	5.2		4.798		109	70	130			
Diesel Range Organics (DRO)	63	20	48.92	50.49	25.9	57	142	55.7	20	RS
Surr: DNOP	4.8		4.892		97.8	70	130	0	0	

Sample ID: **LCS-49458** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49458** RunNo: **65352**
Prep Date: **12/20/2019** Analysis Date: **12/23/2019** SeqNo: **2245266** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	63.9	124			
Surr: DNOP	4.4		5.000		87.1	70	130			

Sample ID: **MB-49458** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49458** RunNo: **65352**
Prep Date: **12/20/2019** Analysis Date: **12/23/2019** SeqNo: **2245267** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.2	70	130			
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		86.2	66.6	105			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **mb-49340** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49340** RunNo: **65197**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238427** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **mb-49340** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **49340** RunNo: **65197**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238470** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **lcs-49340** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49340** RunNo: **65197**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238428** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.2	80	120			
Surr: BFB	930		1000		92.6	66.6	105			

Sample ID: **mb-49336** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49336** RunNo: **65198**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238493** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	66.6	105			

Sample ID: **lcs-49336** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49336** RunNo: **65198**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238494** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.9	80	120			
Surr: BFB	870		1000		86.7	66.6	105			

Benzene	ND	0.025

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quanitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix	

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **mb-49336** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **49336** RunNo: **65198**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238525** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: **LCS-49340** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **49340** RunNo: **65197**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238471** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.7	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **1912719-005ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **20191212C5TZM** Batch ID: **49340** RunNo: **65197**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238473** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.023	0.9346	0	86.5	76	123			
Toluene	0.80	0.047	0.9346	0.009375	85.0	80.3	127			
Ethylbenzene	0.80	0.047	0.9346	0	85.6	80.2	131			
Xylenes, Total	2.4	0.093	2.804	0.01494	85.8	78	133			
Surr: 4-Bromofluorobenzene	0.86		0.9346		92.5	80	120			

Sample ID: **1912719-005amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **20191212C5TZM** Batch ID: **49340** RunNo: **65197**
Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238474** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.024	0.9718	0	82.4	76	123	1.04	20	
Toluene	0.81	0.049	0.9718	0.009375	82.7	80.3	127	1.09	20	
Ethylbenzene	0.81	0.049	0.9718	0	83.5	80.2	131	1.41	20	
Xylenes, Total	2.4	0.097	2.915	0.01494	83.3	78	133	0.914	20	
Surr: 4-Bromofluorobenzene	0.86		0.9718		88.4	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Benzene	ND	0.025					
Toluene	ND	0.050					
Ethylbenzene	ND	0.050					
Xylenes, Total	ND	0.10					
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120

Sample ID: **LCS-49336** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **49336** RunNo: **65198**

Prep Date: **12/13/2019** Analysis Date: **12/16/2019** SeqNo: **2238526** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.6	80	120			
Toluene	0.95	0.050	1.000	0	94.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.6	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.8	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **MB-49440** SampType: **MBLK** TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS** Batch ID: **49440** RunNo: **65320**
Prep Date: **12/19/2019** Analysis Date: **12/20/2019** SeqNo: **2243760** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID: **LLLCS-49440** SampType: **LCSLL** TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC** Batch ID: **49440** RunNo: **65320**
Prep Date: **12/19/2019** Analysis Date: **12/20/2019** SeqNo: **2243762** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033	0.006660	0	83.6	70	130			

Sample ID: **LCS-49440** SampType: **LCS** TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS** Batch ID: **49440** RunNo: **65320**
Prep Date: **12/19/2019** Analysis Date: **12/20/2019** SeqNo: **2243763** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.15	0.033	0.1667	0	92.5	80	120			

Sample ID: **1912719-013AMS** SampType: **MS** TestCode: **EPA Method 7471: Mercury**
Client ID: **20191212C13TZM** Batch ID: **49440** RunNo: **65320**
Prep Date: **12/19/2019** Analysis Date: **12/20/2019** SeqNo: **2243766** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.15	0.032	0.1594	0	91.5	80	120			

Sample ID: **1912719-013AMSD** SampType: **MSD** TestCode: **EPA Method 7471: Mercury**
Client ID: **20191212C13TZM** Batch ID: **49440** RunNo: **65320**
Prep Date: **12/19/2019** Analysis Date: **12/20/2019** SeqNo: **2243767** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.15	0.033	0.1663	0	91.6	80	120	4.39	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **LCSLL-49680** SampType: **LCSLL** TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC** Batch ID: **49680** RunNo: **65635**
Prep Date: **1/7/2020** Analysis Date: **1/8/2020** SeqNo: **2254654** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID: **MB-49680** SampType: **MBLK** TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS** Batch ID: **49680** RunNo: **65635**
Prep Date: **1/7/2020** Analysis Date: **1/8/2020** SeqNo: **2254653** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033	0.006660	0	99.9	70	130			

Sample ID: **LCS-49680** SampType: **LCS** TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS** Batch ID: **49680** RunNo: **65635**
Prep Date: **1/7/2020** Analysis Date: **1/8/2020** SeqNo: **2254655** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.16	0.033	0.1667	0	94.0	80	120			

Sample ID: **1912719-001AMS** SampType: **MS** TestCode: **EPA Method 7471: Mercury**
Client ID: **20191212C1TZM** Batch ID: **49680** RunNo: **65635**
Prep Date: **1/7/2020** Analysis Date: **1/8/2020** SeqNo: **2254657** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1649	0.01642	97.0	80	120			

Sample ID: **1912719-001AMSD** SampType: **MSD** TestCode: **EPA Method 7471: Mercury**
Client ID: **20191212C1TZM** Batch ID: **49680** RunNo: **65635**
Prep Date: **1/7/2020** Analysis Date: **1/8/2020** SeqNo: **2254658** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1658	0.01642	97.3	80	120	0.830	20	
Antimony	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.30								
Iron	ND	2.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **MB-49414** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **49414** RunNo: **65434**
Prep Date: **12/18/2019** Analysis Date: **12/24/2019** SeqNo: **2247694** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.25								
Manganese	ND	0.10								
Silver	ND	0.25								
Zinc	ND	2.5								

Sample ID: **LCS-49414** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49414** RunNo: **65434**
Prep Date: **12/18/2019** Analysis Date: **12/24/2019** SeqNo: **2247696** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	94.9	80	120			
Barium	24	0.10	25.00	0	95.7	80	120			
Beryllium	24	0.15	25.00	0	96.1	80	120			
Cadmium	24	0.10	25.00	0	96.4	80	120			
Chromium	24	0.30	25.00	0	95.1	80	120			
Copper	26	0.30	25.00	0	104	80	120			
Iron	25	2.5	25.00	0	102	80	120			
Lead	25	0.25	25.00	0	100	80	120			
Manganese	24	0.10	25.00	0	96.6	80	120			
Silver	4.6	0.25	5.000	0	92.3	80	120			
Zinc	24	2.5	25.00	0	95.1	80	120			

Sample ID: **MB-49677** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2255878** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Selenium	ND	2.5								
Arsenic	23	2.5	25.00	0	92.2	80	120			
Selenium	23	2.5	25.00	0	90.2	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **LCS-49677** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2255882** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	26	5.1	25.46	0	104	75	125			
Selenium	23	5.1	25.46	0	89.7	75	125			

Sample ID: **1912719-001AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2255884** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	26	5.1	25.46	0	104	75	125			
Selenium	23	5.1	25.46	0	89.7	75	125			

Sample ID: **1912719-001AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2255885** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	5.1	25.29	0	97.7	75	125	6.57	20	
Selenium	23	5.1	25.29	0	90.5	75	125	0.197	20	

Sample ID: **MB-49677** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2255982** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	2.5								
Lead	ND	0.25								

Sample ID: **LCS-49677** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2255984** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	26	2.5	25.00	0	104	80	120			
Lead	25	0.25	25.00	0	100	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **1912719-001AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2256014** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **1912719-001AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2256014** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	27	0.51	25.46	1.630	98.9	75	125			

Sample ID: **1912719-001AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65673**
Prep Date: **1/7/2020** Analysis Date: **1/9/2020** SeqNo: **2256015** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	27	0.51	25.29	1.630	101	75	125	1.36	20	

Sample ID: **MB-49677** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **49677** RunNo: **65705**
Prep Date: **1/7/2020** Analysis Date: **1/10/2020** SeqNo: **2256821** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Manganese	0.17	0.10								
Silver	ND	0.25								
Zinc	ND	2.5								

Sample ID: **LCS-49677** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49677** RunNo: **65705**
Prep Date: **1/7/2020** Analysis Date: **1/10/2020** SeqNo: **2256823** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	97.7	80	120			
Barium	25	0.10	25.00	0	99.3	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Beryllium	25	0.15	25.00	0	102	80	120		
Cadmium	25	0.10	25.00	0	99.2	80	120		
Chromium	25	0.30	25.00	0	98.6	80	120		
Manganese	25	0.10	25.00	0	98.2	80	120		B
Silver	5.0	0.25	5.000	0	100	80	120		
Zinc	24	2.5	25.00	0	97.3	80	120		
Antimony	10	5.1	25.46	0	39.8	75	125		S
Barium	69	0.20	25.46	39.80	113	75	125		
Beryllium	27	0.31	25.46	0.2290	105	75	125		
Cadmium	26	0.20	25.46	0	102	75	125		
Chromium	33	0.61	25.46	5.094	110	75	125		
Manganese	74	0.20	25.46	50.56	92.5	75	125		
Silver	4.8	0.51	5.092	0	94.1	75	125		
Zinc	39	5.1	25.46	12.64	105	75	125		

Sample ID: **1912719-001AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**

Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65705**

Prep Date: **1/7/2020** Analysis Date: **1/10/2020** SeqNo: **2256845** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	11	5.1	25.29	0	44.6	75	125	10.7	20	S
Barium	90	0.20	25.29	39.80	199	75	125	26.9	20	R S
Beryllium	27	0.30	25.29	0.2290	104	75	125	1.23	20	
Cadmium	26	0.20	25.29	0	101	75	125	1.03	20	
Chromium	31	0.61	25.29	5.094	101	75	125	7.35	20	
Manganese	74	0.20	25.29	50.56	91.0	75	125	0.726	20	
Silver	4.8	0.51	5.057	0	94.2	75	125	0.535	20	
Zinc	37	5.1	25.29	12.64	98.0	75	125	4.98	20	

Sample ID: **MB-49792** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**

Client ID: **PBS** Batch ID: **49792** RunNo: **65839**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261118** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **1912719**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Treatment Zone Monitoring

Sample ID: **1912719-001AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49677** RunNo: **65705**
Prep Date: **1/7/2020** Analysis Date: **1/10/2020** SeqNo: **2256842** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **1912719-001AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49792** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261125** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.39	0.30	Silver	ND	0.25					

Sample ID: **LCS-49792** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49792** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261120** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	26	0.30	25.00	0	102	80	120			B
Silver	4.9	0.25	5.000	0	97.1	80	120			
Copper	27	0.59	24.62	2.089	103	75	125			

Sample ID: **1912719-001AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20191212C1TZM** Batch ID: **49792** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261126** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	31	0.60	25.05	2.089	114	75	125	11.6	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENVIRONMENTAL PLUS** Work Order Number: **1912719** RcptNo: **1**

Received By: **Yazmine Garduno** **12/13/2019 9:05:00 AM** Yazmine Garduno

Completed By: **Yazmine Garduno** **12/13/2019 10:50:48 AM** Yazmine Garduno

Reviewed By: AB 12/13/19

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: ENM 12/13/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.1	Good				
2	5.0	Good				

Chain-of-Custody Record

Client: EPT Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: MCCASLAND_67@msn.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: EPT Treatment Zone Monitoring

Project #:

Project Manager: PAT MCCASLAND

Sampler: PM

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 4.2-0.1 = 4.1
5.1-0.1 = 5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1912719	(BTEX) MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals 6010B or 6020	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-12-19	10:29	Soil	20191212C1TZM	4oz 2	Ice	-001	X	X					X			
	11:06		20191212C2TZM			-002	X	X					X			
	10:41		20191212C3TZM			-003	X	X					X			
	11:11		20191212C4TZM			-004	X	X					X			
	11:25		20191212C5TZM			-005	X	X					X			
	12:00		20191212C6TZM			-006	X	X					X			
	12:10		20191212C7TZM			-007	X	X					X			
	12:15		20191212C8TZM			-008	X	X					X			
	12:25		20191212C9TZM			-009	X	X					X			
	12:34		20191212C10TZM			-010	X	X					X			
	12:43		20191212C11TZM			-011	X	X					X			
	12:52		20191212C12TZM			-012	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12/12/19	1605				12/12/19	1605
12/12/19	1910		VR	courier	12/13/19	0905

Remarks: Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn.

Chain-of-Custody Record

Client: EPI Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: mccasland_67@msn.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: EPI Treatment Zone Monitoring

Project #:

Project Manager: PAT MCCASLAND

Sampler: PM

On Ice: ☒ Yes ☐ No

# of Coolers: 2 4-2-0.1=4-1

Cooler Temp(including CF): 5.1-0.1=5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1912719	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals see Below	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
12.12.19	1:00	Soil	20191212C13TZM	4oz-2	Ice	-013	X	X				X	X				
"	1:03	"	20191212C14TZM	"	"	-014	X	X				X	X				
"	1:14	"	20191212C15TZM	"	"	-015	X	X				X	X				

Remarks: Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag EPA-6010B or 6020 Cu, Fe, Mn, Zn.

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12.12.19	4:05	Pat McCasland				
12/12/19	1900			Courier	12/13/19	0905

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**
Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 09, 2020

Pat McCasland

Environmental Plus, Inc
PO Box 1558
Eunice, NM 88231
TEL: (575) 631-1667
FAX

RE: EPI Background Samples OrderNo.: 2001058

Dear Pat McCasland:

Hall Environmental Analysis Laboratory received 12 sample(s) on 1/3/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert

#NM0901 Sincerely,

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-001
Matrix: SOIL

Client Sample ID: BG East S
Collection Date: 12/30/2019 4:26:00 PM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/8/2020 12:44:40 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/8/2020 12:44:40 PM
Surr: DNOP	125	55.1-146		%Rec	1	1/8/2020 12:44:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/6/2020 9:05:20 PM
Surr: BFB	82.9	66.6-105		%Rec	1	1/6/2020 9:05:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	1/6/2020 9:05:20 PM
Toluene	ND	0.047		mg/Kg	1	1/6/2020 9:05:20 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/6/2020 9:05:20 PM
Xylenes, Total	ND	0.093		mg/Kg	1	1/6/2020 9:05:20 PM
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	1/6/2020 9:05:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 6:30:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-002
Matrix: SOIL

Client Sample ID: BG East N
Collection Date: 12/30/2019 4:50:00 PM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/8/2020 1:06:50 PM
Motor Oil Range Organics (MRO)	52	49		mg/Kg	1	1/8/2020 1:06:50 PM
Surr: DNOP	105	55.1-146		%Rec	1	1/8/2020 1:06:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/6/2020 9:28:38 PM
Surr: BFB	84.4	66.6-105		%Rec	1	1/6/2020 9:28:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	1/6/2020 9:28:38 PM
Toluene	ND	0.047		mg/Kg	1	1/6/2020 9:28:38 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/6/2020 9:28:38 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/6/2020 9:28:38 PM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	1/6/2020 9:28:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 6:42:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-003
Matrix: SOIL

Client Sample ID: BG Center E
Collection Date: 12/31/2019 8:15:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/7/2020 11:50:12 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/7/2020 11:50:12 AM
Surr: DNOP	88.6	70-130		%Rec	1	1/7/2020 11:50:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/6/2020 9:51:50 PM
Surr: BFB	79.2	66.6-105		%Rec	1	1/6/2020 9:51:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/6/2020 9:51:50 PM
Toluene	ND	0.048		mg/Kg	1	1/6/2020 9:51:50 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/6/2020 9:51:50 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/6/2020 9:51:50 PM
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	1/6/2020 9:51:50 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 6:55:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-004
Matrix: SOIL

Client Sample ID: BG North E
Collection Date: 12/31/2019 9:15:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/7/2020 11:59:20 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/7/2020 11:59:20 AM
Surr: DNOP	91.7	70-130		%Rec	1	1/7/2020 11:59:20 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/6/2020 10:15:02 PM
Surr: BFB	80.8	66.6-105		%Rec	1	1/6/2020 10:15:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/6/2020 10:15:02 PM
Toluene	ND	0.048		mg/Kg	1	1/6/2020 10:15:02 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/6/2020 10:15:02 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/6/2020 10:15:02 PM
Surr: 4-Bromofluorobenzene	95.0	80-120		%Rec	1	1/6/2020 10:15:02 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 7:07:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-005
Matrix: SOIL

Client Sample ID: BG North C
Collection Date: 12/31/2019 9:33:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/7/2020 12:08:29 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/7/2020 12:08:29 PM
Surr: DNOP	97.1	70-130		%Rec	1	1/7/2020 12:08:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/6/2020 10:38:13 PM
Surr: BFB	79.5	66.6-105		%Rec	1	1/6/2020 10:38:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/6/2020 10:38:13 PM
Toluene	ND	0.048		mg/Kg	1	1/6/2020 10:38:13 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/6/2020 10:38:13 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/6/2020 10:38:13 PM
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	1/6/2020 10:38:13 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 7:19:49 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-006
Matrix: SOIL

Client Sample ID: BG North W
Collection Date: 12/31/2019 10:12:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/7/2020 12:17:37 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/7/2020 12:17:37 PM
Surr: DNOP	92.5	70-130		%Rec	1	1/7/2020 12:17:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/6/2020 11:01:21 PM
Surr: BFB	78.3	66.6-105		%Rec	1	1/6/2020 11:01:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/6/2020 11:01:21 PM
Toluene	ND	0.049		mg/Kg	1	1/6/2020 11:01:21 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/6/2020 11:01:21 PM
Xylenes, Total	ND	0.098		mg/Kg	1	1/6/2020 11:01:21 PM
Surr: 4-Bromofluorobenzene	91.9	80-120		%Rec	1	1/6/2020 11:01:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 7:32:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-007
Matrix: SOIL

Client Sample ID: BG North WW
Collection Date: 12/31/2019 10:35:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/7/2020 12:26:52 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/7/2020 12:26:52 PM
Surr: DNOP	104	70-130		%Rec	1	1/7/2020 12:26:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/6/2020 11:24:27 PM
Surr: BFB	80.4	66.6-105		%Rec	1	1/6/2020 11:24:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/6/2020 11:24:27 PM
Toluene	ND	0.047		mg/Kg	1	1/6/2020 11:24:27 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/6/2020 11:24:27 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/6/2020 11:24:27 PM
Surr: 4-Bromofluorobenzene	94.1	80-120		%Rec	1	1/6/2020 11:24:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 8:09:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-008
Matrix: SOIL

Client Sample ID: BG West N
Collection Date: 12/31/2019 10:50:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/7/2020 12:36:08 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/7/2020 12:36:08 PM
Surr: DNOP	91.0	70-130		%Rec	1	1/7/2020 12:36:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/6/2020 11:47:33 PM
Surr: BFB	79.6	66.6-105		%Rec	1	1/6/2020 11:47:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/6/2020 11:47:33 PM
Toluene	ND	0.048		mg/Kg	1	1/6/2020 11:47:33 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/6/2020 11:47:33 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/6/2020 11:47:33 PM
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	1/6/2020 11:47:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/6/2020 9:10:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-009
Matrix: SOIL

Client Sample ID: BG West S
Collection Date: 12/31/2019 11:09:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/7/2020 1:31:04 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/7/2020 1:31:04 PM
Surr: DNOP	128	70-130		%Rec	1	1/7/2020 1:31:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/7/2020 12:10:39 AM
Surr: BFB	81.1	66.6-105		%Rec	1	1/7/2020 12:10:39 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/7/2020 12:10:39 AM
Toluene	ND	0.050		mg/Kg	1	1/7/2020 12:10:39 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/7/2020 12:10:39 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/7/2020 12:10:39 AM
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	1/7/2020 12:10:39 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/6/2020 8:49:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-010
Matrix: SOIL

Client Sample ID: BG South E
Collection Date: 12/31/2019 11:22:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	1/7/2020 1:58:35 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/7/2020 1:58:35 PM
Surr: DNOP	115	70-130		%Rec	1	1/7/2020 1:58:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/7/2020 9:52:07 AM
Surr: BFB	89.4	66.6-105		%Rec	1	1/7/2020 9:52:07 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/7/2020 9:52:07 AM
Toluene	ND	0.049		mg/Kg	1	1/7/2020 9:52:07 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/7/2020 9:52:07 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/7/2020 9:52:07 AM
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	1/7/2020 9:52:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/6/2020 9:26:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-011
Matrix: SOIL

Client Sample ID: BG South W
Collection Date: 12/31/2019 11:32:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/8/2020 1:29:06 PM
Motor Oil Range Organics (MRO)	49	47		mg/Kg	1	1/8/2020 1:29:06 PM
Surr: DNOP	142	55.1-146		%Rec	1	1/8/2020 1:29:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/7/2020 11:08:57 AM
Surr: BFB	80.4	66.6-105		%Rec	1	1/7/2020 11:08:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/7/2020 11:08:57 AM
Toluene	ND	0.049		mg/Kg	1	1/7/2020 11:08:57 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/7/2020 11:08:57 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/7/2020 11:08:57 AM
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	1/7/2020 11:08:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/6/2020 10:03:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001058**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/9/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2001058-012
Matrix: SOIL

Client Sample ID: BG Center W
Collection Date: 12/31/2019 8:50:00 AM
Received Date: 1/3/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/7/2020 2:16:57 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/7/2020 2:16:57 PM
Surr: DNOP	75.2	70-130		%Rec	1	1/7/2020 2:16:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/7/2020 12:19:28 PM
Surr: BFB	90.4	66.6-105		%Rec	1	1/7/2020 12:19:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/7/2020 12:19:28 PM
Toluene	ND	0.048		mg/Kg	1	1/7/2020 12:19:28 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/7/2020 12:19:28 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/7/2020 12:19:28 PM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	1/7/2020 12:19:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	91	60		mg/Kg	20	1/6/2020 10:16:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **MB-49656** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49656** RunNo: **65598**
Prep Date: **1/6/2020** Analysis Date: **1/6/2020** SeqNo: **2253202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49656** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49656** RunNo: **65598**
Prep Date: **1/6/2020** Analysis Date: **1/6/2020** SeqNo: **2253203** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: **MB-49642** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49642** RunNo: **65601**
Prep Date: **1/6/2020** Analysis Date: **1/6/2020** SeqNo: **2253254** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49642** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49642** RunNo: **65601**
Prep Date: **1/6/2020** Analysis Date: **1/6/2020** SeqNo: **2253255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Sample ID: **MB-49645** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49645** RunNo: **65601**
Prep Date: **1/6/2020** Analysis Date: **1/6/2020** SeqNo: **2253284** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **2001058-009AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BG West S** Batch ID: **49647** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253774** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			
Diesel Range Organics (DRO)	46	9.8	48.78	2.321	89.9	57	142			
Surr: DNOP	4.5		4.878		93.2	70	130			

Sample ID: **LCS-49645** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49645** RunNo: **65601**
Prep Date: **1/6/2020** Analysis Date: **1/6/2020** SeqNo: **2253285** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			
Diesel Range Organics (DRO)	46	9.8	48.78	2.321	89.9	57	142			
Surr: DNOP	4.5		4.878		93.2	70	130			

Sample ID: **2001058-009AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BG West S** Batch ID: **49647** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253775** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	33	9.7	48.45	2.321	63.9	57	142	32.4	20	R
Surr: DNOP	3.1		4.845		63.4	70	130	0	0	S

Sample ID: **LCS-49627** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49627** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253783** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.2	63.9	124			
Surr: DNOP	4.6		5.000		92.9	70	130			

Sample ID: **LCS-49646** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49646** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253784** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc
Project: EPI Background Samples

Sample ID: **MB-49627** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49627** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253786** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **LCS-49647** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49647** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253785** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	63.9	124			
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: **MB-49627** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49627** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253786** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	70	130			

Sample ID: **MB-49647** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49647** RunNo: **65612**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2253787** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		105	70	130			
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.6	66.6	105			

Sample ID: **lcs-49623** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49623** RunNo: **65589**
Prep Date: **1/3/2020** Analysis Date: **1/6/2020** SeqNo: **2252861** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.8	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc
Project: EPI Background Samples

Sample ID: **mb-49623** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49623** RunNo: **65589**
Prep Date: **1/3/2020** Analysis Date: **1/6/2020** SeqNo: **2252860** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.1	66.6	105			

Sample ID: **mb-49633** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254007** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.8	66.6	105			

Sample ID: **lcs-49633** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254008** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	80	120			
Surr: BFB	1000		1000		103	66.6	105			

Sample ID: **2001058-010ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BG South E** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254010** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.93	0	92.3	69.1	142			
Surr: BFB	1000		997.0		102	66.6	105			

Sample ID: **2001058-010amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BG South E** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254011** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **2001058-010amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **BG South E** Batch ID: **49633** RunNo: **65619**

Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254011** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.68	0	90.2	69.1	142	3.27	20	
Surr: BFB	970		987.2		98.1	66.6	105	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **mb-49623** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **49623** RunNo: **65589**

Prep Date: **1/3/2020** Analysis Date: **1/6/2020** SeqNo: **2252889** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120			

Sample ID: **LCS-49623** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **49623** RunNo: **65589**

Prep Date: **1/3/2020** Analysis Date: **1/6/2020** SeqNo: **2252890** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.4	80	120			
Toluene	0.95	0.050	1.000	0	95.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **mb-49633** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **49633** RunNo: **65619**

Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254034** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001058**

Hall Environmental Analysis Laboratory, Inc.

09-Jan-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **2001058-011ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BG South W** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254038** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.8	80	120			
Toluene	0.93	0.050	1.000	0	92.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID: **LCS-49633** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254035** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.023	0.9381	0	92.9	78.5	119			
Toluene	0.89	0.047	0.9381	0.01365	93.4	75.7	123			
Ethylbenzene	0.88	0.047	0.9381	0	93.8	74.3	126			
Xylenes, Total	2.7	0.094	2.814	0.01764	93.9	72.9	130			
Surr: 4-Bromofluorobenzene	0.90		0.9381		95.6	80	120			

Sample ID: **2001058-011amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BG South W** Batch ID: **49633** RunNo: **65619**
Prep Date: **1/6/2020** Analysis Date: **1/7/2020** SeqNo: **2254039** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9643	0	91.5	78.5	119	1.21	20	
Toluene	0.91	0.048	0.9643	0.01365	92.8	75.7	123	2.07	20	
Ethylbenzene	0.90	0.048	0.9643	0	93.4	74.3	126	2.31	20	
Xylenes, Total	2.8	0.096	2.893	0.01764	94.5	72.9	130	3.40	20	
Surr: 4-Bromofluorobenzene	0.92		0.9643		95.4	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENVIRONMENTAL PLUS** Work Order Number: **2001058** RcptNo: 1

Received By: **Yazmine Garduno** **1/3/2020 9:00:00 AM** Yazmine Garduno

Completed By: **Isaiah Ortiz** **1/3/2020 11:31:22 AM** I-OX

Reviewed By: IO 01/03/2020

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by YG 1/3/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Not Present			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Client: EPI Land farm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: mccasland_67@msn.com

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: EPI Background Samples

Project #:

Project Manager: Pat McCasland

Sampler: PM

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 0.9-0.1=0.8 (°C)

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001058	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
12.30.19	4:26	Soil	BGEastS	4oz/1	ICE	-001	X	X					X									
12.30.19	4:50		BGEastN			-002	X	X					X									
12.31.19	8:15		BGCenterE			-003	X	X					X									
	9:15		BGNorthE			-004	X	X					X									
	9:33		BGNorthC			-005	X	X					X									
	10:12		BGNorthW			-006	X	X					X									
	10:35		BGNorthWW			-007	X	X					X									
	10:50		BGWestN			-008	X	X					X									
	11:09		BGWestS			-009	X	X					X									
	11:22		BGSouthE			-010	X	X					X									
	11:32		BGSouthW			-011	X	X					X									
	8:50		BGCenterW			-012	X	X					X									

Date	Time	Relinquished by	Received by	Via	Date	Time
12/31/19	1400	Pat McCasland	[illegible]		12/31	1400
1/2/20	1900	[illegible]	[illegible]	courier	01/3/20	0900

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Date Reported: **1/28/2020**
Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 28, 2020

Pat McCasland

Environmental Plus, Inc
PO Box 1558
Eunice, NM 88231
TEL: (575) 631-1667
FAX

RE: EPI Vadose Zone Monitoring OrderNo.: 2001435

Dear Pat McCasland:

Hall Environmental Analysis Laboratory received 61 sample(s) on 1/11/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert

#NM0901 Sincerely,

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-001
Matrix: SOIL

Client Sample ID: 20200108C1VZ SW
Collection Date: 1/8/2020 9:10:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/14/2020 4:01:50 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/14/2020 4:01:50 PM
Surr: DNOP	93.3	55.1-146		%Rec	1	1/14/2020 4:01:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 2:51:55 AM
Surr: BFB	88.8	66.6-105		%Rec	1	1/15/2020 2:51:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 2:51:55 AM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 2:51:55 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 2:51:55 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/15/2020 2:51:55 AM
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	1/15/2020 2:51:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 11:26:57 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-002
Matrix: SOIL

Client Sample ID: 20200108C1VZ SE
Collection Date: 1/8/2020 9:18:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/14/2020 4:11:05 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/14/2020 4:11:05 PM
Surr: DNOP	95.4	55.1-146		%Rec	1	1/14/2020 4:11:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 3:14:45 AM
Surr: BFB	88.3	66.6-105		%Rec	1	1/15/2020 3:14:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 3:14:45 AM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 3:14:45 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 3:14:45 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2020 3:14:45 AM
Surr: 4-Bromofluorobenzene	93.1	80-120		%Rec	1	1/15/2020 3:14:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 11:39:19 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-003
Matrix: SOIL

Client Sample ID: 20200108C1VZ NE
Collection Date: 1/8/2020 9:24:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/15/2020 8:44:25 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/15/2020 8:44:25 AM
Surr: DNOP	147	55.1-146	S	%Rec	1	1/15/2020 8:44:25 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 3:37:33 AM
Surr: BFB	88.7	66.6-105		%Rec	1	1/15/2020 3:37:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 3:37:33 AM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 3:37:33 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 3:37:33 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 3:37:33 AM
Surr: 4-Bromofluorobenzene	92.7	80-120		%Rec	1	1/15/2020 3:37:33 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	120	60		mg/Kg	20	1/15/2020 11:51:40 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-004
Matrix: SOIL

Client Sample ID: 20200108C1VZ NW
Collection Date: 1/8/2020 9:31:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/15/2020 9:11:40 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/15/2020 9:11:40 AM
Surr: DNOP	159	55.1-146	S	%Rec	1	1/15/2020 9:11:40 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/14/2020 11:51:06 PM
Surr: BFB	80.2	66.6-105		%Rec	1	1/14/2020 11:51:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/14/2020 11:51:06 PM
Toluene	ND	0.048		mg/Kg	1	1/14/2020 11:51:06 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/14/2020 11:51:06 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/14/2020 11:51:06 PM
Surr: 4-Bromofluorobenzene	91.0	80-120		%Rec	1	1/14/2020 11:51:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	78	60		mg/Kg	20	1/15/2020 12:28:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-005
Matrix: SOIL

Client Sample ID: 20200108C1VZ COMP
Collection Date: 1/8/2020 9:31:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:38:22 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Antimony	ND	5.1		mg/Kg	2	1/22/2020 9:20:01 AM
Arsenic	ND	5.1		mg/Kg	2	1/20/2020 2:37:12 PM
Barium	320	0.20		mg/Kg	2	1/20/2020 2:37:12 PM
Beryllium	ND	0.30		mg/Kg	2	1/15/2020 5:35:06 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:35:06 PM
Chromium	3.0	0.61		mg/Kg	2	1/15/2020 5:35:06 PM
Copper	1.4	0.61		mg/Kg	2	1/15/2020 5:35:06 PM
Iron	3300	250		mg/Kg	100	1/15/2020 6:11:13 PM
Lead	ND	0.51		mg/Kg	2	1/15/2020 5:35:06 PM
Manganese	22	0.20		mg/Kg	2	1/15/2020 5:35:06 PM
Selenium	ND	5.1		mg/Kg	2	1/20/2020 2:37:12 PM
Silver	2.6	0.51		mg/Kg	2	1/15/2020 5:35:06 PM
Zinc	6.0	5.1		mg/Kg	2	1/15/2020 5:35:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-006
Matrix: SOIL

Client Sample ID: 20200108C2VZ SW
Collection Date: 1/8/2020 9:39:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/15/2020 9:20:42 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/15/2020 9:20:42 AM
Surr: DNOP	81.5	55.1-146		%Rec	1	1/15/2020 9:20:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 12:14:41 AM
Surr: BFB	81.9	66.6-105		%Rec	1	1/15/2020 12:14:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 12:14:41 AM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 12:14:41 AM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 12:14:41 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 12:14:41 AM
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	1/15/2020 12:14:41 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 1:05:49 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-007
Matrix: SOIL

Client Sample ID: 20200108C2VZ SE
Collection Date: 1/8/2020 9:48:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/15/2020 9:29:43 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/15/2020 9:29:43 AM
Surr: DNOP	112	55.1-146		%Rec	1	1/15/2020 9:29:43 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/15/2020 12:38:14 AM
Surr: BFB	79.2	66.6-105		%Rec	1	1/15/2020 12:38:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 12:38:14 AM
Toluene	ND	0.050		mg/Kg	1	1/15/2020 12:38:14 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/15/2020 12:38:14 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 12:38:14 AM
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	1/15/2020 12:38:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	96	60		mg/Kg	20	1/15/2020 1:18:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-008
Matrix: SOIL

Client Sample ID: 20200108C2VZ NE
Collection Date: 1/8/2020 9:54:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/15/2020 9:38:45 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/15/2020 9:38:45 AM
Surr: DNOP	119	55.1-146		%Rec	1	1/15/2020 9:38:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 1:01:47 AM
Surr: BFB	84.0	66.6-105		%Rec	1	1/15/2020 1:01:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 1:01:47 AM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 1:01:47 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 1:01:47 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 1:01:47 AM
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	1	1/15/2020 1:01:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 1:30:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-009
Matrix: SOIL

Client Sample ID: 20200108C2VZ NW
Collection Date: 1/8/2020 10:10:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/15/2020 9:47:51 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/15/2020 9:47:51 AM
Surr: DNOP	96.4	55.1-146		%Rec	1	1/15/2020 9:47:51 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 1:25:19 AM
Surr: BFB	85.5	66.6-105		%Rec	1	1/15/2020 1:25:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 1:25:19 AM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 1:25:19 AM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 1:25:19 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 1:25:19 AM
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	1/15/2020 1:25:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	70	60		mg/Kg	20	1/15/2020 1:42:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-010
Matrix: SOIL

Client Sample ID: 20200108C2VZ COMP
Collection Date: 1/8/2020 10:10:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:40:23 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.1		mg/Kg	2	1/15/2020 5:39:54 PM
Arsenic	ND	5.1		mg/Kg	2	1/20/2020 2:43:18 PM
Barium	170	0.20		mg/Kg	2	1/15/2020 5:39:54 PM
Beryllium	0.37	0.30		mg/Kg	2	1/15/2020 5:39:54 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:39:54 PM
Chromium	5.1	0.61		mg/Kg	2	1/15/2020 5:39:54 PM
Copper	3.0	0.61		mg/Kg	2	1/15/2020 5:39:54 PM
Iron	6100	250		mg/Kg	100	1/15/2020 6:12:46 PM
Lead	0.75	0.51		mg/Kg	2	1/15/2020 5:39:54 PM
Manganese	74	0.20		mg/Kg	2	1/15/2020 5:39:54 PM
Selenium	ND	5.1		mg/Kg	2	1/20/2020 2:43:18 PM
Silver	0.85	0.51		mg/Kg	2	1/15/2020 5:39:54 PM
Zinc	13	5.1		mg/Kg	2	1/15/2020 5:39:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-011
Matrix: SOIL

Client Sample ID: 20200108C3VZ S
Collection Date: 1/8/2020 11:27:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/15/2020 9:56:57 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/15/2020 9:56:57 AM
Surr: DNOP	131	55.1-146		%Rec	1	1/15/2020 9:56:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 1:48:47 AM
Surr: BFB	81.8	66.6-105		%Rec	1	1/15/2020 1:48:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 1:48:47 AM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 1:48:47 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 1:48:47 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/15/2020 1:48:47 AM
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	1/15/2020 1:48:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	130	59		mg/Kg	20	1/15/2020 1:55:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-012
Matrix: SOIL

Client Sample ID: 20200108C3VZ N
Collection Date: 1/8/2020 11:35:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/15/2020 10:06:03 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/15/2020 10:06:03 AM
Surr: DNOP	114	55.1-146		%Rec	1	1/15/2020 10:06:03 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 2:12:16 AM
Surr: BFB	82.3	66.6-105		%Rec	1	1/15/2020 2:12:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 2:12:16 AM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 2:12:16 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 2:12:16 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 2:12:16 AM
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	1/15/2020 2:12:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 2:07:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-013
Matrix: SOIL

Client Sample ID: 20200108C3VZ COMP
Collection Date: 1/8/2020 11:35:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:42:24 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.1		mg/Kg	2	1/15/2020 5:41:28 PM
Arsenic	ND	5.1		mg/Kg	2	1/20/2020 2:44:50 PM
Barium	420	0.20		mg/Kg	2	1/15/2020 5:41:28 PM
Beryllium	ND	0.30		mg/Kg	2	1/15/2020 5:41:28 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:41:28 PM
Chromium	2.2	0.61		mg/Kg	2	1/15/2020 5:41:28 PM
Copper	2.0	0.61		mg/Kg	2	1/15/2020 5:41:28 PM
Iron	2600	250		mg/Kg	100	1/15/2020 6:21:27 PM
Lead	ND	0.51		mg/Kg	2	1/15/2020 5:41:28 PM
Manganese	20	0.20		mg/Kg	2	1/15/2020 5:41:28 PM
Selenium	ND	5.1		mg/Kg	2	1/20/2020 2:44:50 PM
Silver	2.6	0.51		mg/Kg	2	1/15/2020 5:41:28 PM
Zinc	ND	5.1		mg/Kg	2	1/15/2020 5:41:28 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-014
Matrix: SOIL

Client Sample ID: 20200108C4VZ SE
Collection Date: 1/8/2020 11:49:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/15/2020 10:15:11 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/15/2020 10:15:11 AM
Surr: DNOP	65.1	55.1-146		%Rec	1	1/15/2020 10:15:11 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/15/2020 2:35:40 AM
Surr: BFB	78.2	66.6-105		%Rec	1	1/15/2020 2:35:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 2:35:40 AM
Toluene	ND	0.050		mg/Kg	1	1/15/2020 2:35:40 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/15/2020 2:35:40 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 2:35:40 AM
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	1/15/2020 2:35:40 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 2:19:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-015
Matrix: SOIL

Client Sample ID: 20200108C4VZ SW
Collection Date: 1/8/2020 11:54:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/15/2020 10:25:50 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/15/2020 10:25:50 AM
Surr: DNOP	104	55.1-146		%Rec	1	1/15/2020 10:25:50 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 2:59:05 AM
Surr: BFB	78.5	66.6-105		%Rec	1	1/15/2020 2:59:05 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 2:59:05 AM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 2:59:05 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 2:59:05 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/15/2020 2:59:05 AM
Surr: 4-Bromofluorobenzene	88.7	80-120		%Rec	1	1/15/2020 2:59:05 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 2:56:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-016
Matrix: SOIL

Client Sample ID: 20200108C4VZ NW
Collection Date: 1/8/2020 2:47:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/15/2020 10:34:58 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/15/2020 10:34:58 AM
Surr: DNOP	133	55.1-146		%Rec	1	1/15/2020 10:34:58 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/15/2020 4:09:15 AM
Surr: BFB	78.1	66.6-105		%Rec	1	1/15/2020 4:09:15 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 4:09:15 AM
Toluene	ND	0.050		mg/Kg	1	1/15/2020 4:09:15 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/15/2020 4:09:15 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 4:09:15 AM
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	1/15/2020 4:09:15 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 3:09:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-017
Matrix: SOIL

Client Sample ID: 20200108C4VZ NE
Collection Date: 1/8/2020 2:40:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/15/2020 11:38:57 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/15/2020 11:38:57 AM
Surr: DNOP	95.6	55.1-146		%Rec	1	1/15/2020 11:38:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 2:26:19 PM
Surr: BFB	91.4	66.6-105		%Rec	1	1/15/2020 2:26:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 2:26:19 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 2:26:19 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 2:26:19 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 2:26:19 PM
Surr: 4-Bromofluorobenzene	96.9	80-120		%Rec	1	1/15/2020 2:26:19 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	170	60		mg/Kg	20	1/15/2020 5:49:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-018
Matrix: SOIL

Client Sample ID: 20200108C4VZ COMP
Collection Date: 1/8/2020 2:40:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.034		mg/Kg	1	1/13/2020 4:44:26 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.0		mg/Kg	2	1/15/2020 5:43:01 PM
Arsenic	ND	5.0		mg/Kg	2	1/20/2020 2:46:23 PM
Barium	170	0.20		mg/Kg	2	1/15/2020 5:43:01 PM
Beryllium	0.35	0.30		mg/Kg	2	1/15/2020 5:43:01 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:43:01 PM
Chromium	4.8	0.60		mg/Kg	2	1/15/2020 5:43:01 PM
Copper	2.7	0.60		mg/Kg	2	1/15/2020 5:43:01 PM
Iron	5600	250		mg/Kg	100	1/15/2020 6:23:14 PM
Lead	1.3	0.50		mg/Kg	2	1/15/2020 5:43:01 PM
Manganese	72	0.20		mg/Kg	2	1/15/2020 5:43:01 PM
Selenium	ND	5.0		mg/Kg	2	1/20/2020 2:46:23 PM
Silver	0.94	0.50		mg/Kg	2	1/15/2020 5:43:01 PM
Zinc	12	5.0		mg/Kg	2	1/15/2020 5:43:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-019
Matrix: SOIL

Client Sample ID: 20200108C5VZ NW
Collection Date: 1/8/2020 12:07:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	67	39		mg/Kg	5	1/16/2020 1:42:07 PM
Motor Oil Range Organics (MRO)	200	190		mg/Kg	5	1/16/2020 1:42:07 PM
Surr: DNOP	76.3	55.1-146		%Rec	5	1/16/2020 1:42:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 3:35:16 PM
Surr: BFB	90.5	66.6-105		%Rec	1	1/15/2020 3:35:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 3:35:16 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 3:35:16 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 3:35:16 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 3:35:16 PM
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	1	1/15/2020 3:35:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 6:02:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-020
Matrix: SOIL

Client Sample ID: 20200108C5VZ SE
Collection Date: 1/8/2020 12:14:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	180	49		mg/Kg	5	1/16/2020 2:06:13 PM
Motor Oil Range Organics (MRO)	430	240		mg/Kg	5	1/16/2020 2:06:13 PM
Surr: DNOP	88.7	55.1-146		%Rec	5	1/16/2020 2:06:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 3:58:01 PM
Surr: BFB	91.5	66.6-105		%Rec	1	1/15/2020 3:58:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 3:58:01 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 3:58:01 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 3:58:01 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 3:58:01 PM
Surr: 4-Bromofluorobenzene	96.3	80-120		%Rec	1	1/15/2020 3:58:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	59		mg/Kg	20	1/15/2020 6:14:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-021
Matrix: SOIL

Client Sample ID: 20200108C5VZ N
Collection Date: 1/8/2020 12:22:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	410	100		mg/Kg	10	1/15/2020 3:58:20 PM
Motor Oil Range Organics (MRO)	1300	500		mg/Kg	10	1/15/2020 3:58:20 PM
Surr: DNOP	0	55.1-146	S	%Rec	10	1/15/2020 3:58:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 4:20:49 PM
Surr: BFB	89.3	66.6-105		%Rec	1	1/15/2020 4:20:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 4:20:49 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 4:20:49 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 4:20:49 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2020 4:20:49 PM
Surr: 4-Bromofluorobenzene	93.2	80-120		%Rec	1	1/15/2020 4:20:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	76	60		mg/Kg	20	1/15/2020 6:26:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-022
Matrix: SOIL

Client Sample ID: 20200108C5VZ E
Collection Date: 1/8/2020 12:30:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/15/2020 12:34:41 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/15/2020 12:34:41 PM
Surr: DNOP	90.8	55.1-146		%Rec	1	1/15/2020 12:34:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 4:43:38 PM
Surr: BFB	90.1	66.6-105		%Rec	1	1/15/2020 4:43:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 4:43:38 PM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 4:43:38 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 4:43:38 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 4:43:38 PM
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	1/15/2020 4:43:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 6:39:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-023
Matrix: SOIL

Client Sample ID: 20200108C5VZ COMP
Collection Date: 1/8/2020 12:30:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:50:38 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.0		mg/Kg	2	1/15/2020 5:44:36 PM
Arsenic	ND	5.0		mg/Kg	2	1/20/2020 2:53:43 PM
Barium	210	0.20		mg/Kg	2	1/15/2020 5:44:36 PM
Beryllium	0.30	0.30		mg/Kg	2	1/15/2020 5:44:36 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:44:36 PM
Chromium	4.3	0.60		mg/Kg	2	1/15/2020 5:44:36 PM
Copper	3.8	0.60		mg/Kg	2	1/15/2020 5:44:36 PM
Iron	5000	250		mg/Kg	100	1/15/2020 6:24:47 PM
Lead	23	0.50		mg/Kg	2	1/15/2020 5:44:36 PM
Manganese	53	0.20		mg/Kg	2	1/15/2020 5:44:36 PM
Selenium	ND	5.0		mg/Kg	2	1/20/2020 2:53:43 PM
Silver	1.5	0.50		mg/Kg	2	1/15/2020 5:44:36 PM
Zinc	13	5.0		mg/Kg	2	1/15/2020 5:44:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-024
Matrix: SOIL

Client Sample ID: 20200108C6VZ SE
Collection Date: 1/8/2020 3:00:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/15/2020 12:43:56 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/15/2020 12:43:56 PM
Surr: DNOP	85.7	55.1-146		%Rec	1	1/15/2020 12:43:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 7:24:11 PM
Surr: BFB	89.6	66.6-105		%Rec	1	1/15/2020 7:24:11 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 7:24:11 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 7:24:11 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 7:24:11 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2020 7:24:11 PM
Surr: 4-Bromofluorobenzene	93.4	80-120		%Rec	1	1/15/2020 7:24:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 6:51:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-025
Matrix: SOIL

Client Sample ID: 20200108C6VZ SW
Collection Date: 1/8/2020 4:02:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/15/2020 12:53:12 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/15/2020 12:53:12 PM
Surr: DNOP	89.0	55.1-146		%Rec	1	1/15/2020 12:53:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/15/2020 7:46:55 PM
Surr: BFB	90.4	66.6-105		%Rec	1	1/15/2020 7:46:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 7:46:55 PM
Toluene	ND	0.050		mg/Kg	1	1/15/2020 7:46:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/15/2020 7:46:55 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/15/2020 7:46:55 PM
Surr: 4-Bromofluorobenzene	94.3	80-120		%Rec	1	1/15/2020 7:46:55 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 7:03:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-026
Matrix: SOIL

Client Sample ID: 20200108C6VZ NW
Collection Date: 1/8/2020 4:10:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/15/2020 1:02:28 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/15/2020 1:02:28 PM
Surr: DNOP	80.3	55.1-146		%Rec	1	1/15/2020 1:02:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 8:09:55 PM
Surr: BFB	91.7	66.6-105		%Rec	1	1/15/2020 8:09:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	1/15/2020 8:09:55 PM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 8:09:55 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 8:09:55 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2020 8:09:55 PM
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	1/15/2020 8:09:55 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	93	60		mg/Kg	20	1/15/2020 8:05:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-027
Matrix: SOIL

Client Sample ID: 20200108C6VZ NE
Collection Date: 1/8/2020 4:17:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/15/2020 1:11:43 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/15/2020 1:11:43 PM
Surr: DNOP	80.0	55.1-146		%Rec	1	1/15/2020 1:11:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 8:32:52 PM
Surr: BFB	90.0	66.6-105		%Rec	1	1/15/2020 8:32:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 8:32:52 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 8:32:52 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 8:32:52 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 8:32:52 PM
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	1/15/2020 8:32:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 8:17:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-028
Matrix: SOIL

Client Sample ID: 20200108C6VZ COMP
Collection Date: 1/8/2020 4:17:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:52:41 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.1		mg/Kg	2	1/15/2020 5:46:09 PM
Arsenic	ND	5.1		mg/Kg	2	1/20/2020 2:55:17 PM
Barium	330	0.20		mg/Kg	2	1/15/2020 5:46:09 PM
Beryllium	ND	0.30		mg/Kg	2	1/15/2020 5:46:09 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:46:09 PM
Chromium	2.7	0.61		mg/Kg	2	1/15/2020 5:46:09 PM
Copper	1.6	0.61		mg/Kg	2	1/15/2020 5:46:09 PM
Iron	3300	250		mg/Kg	100	1/15/2020 6:26:21 PM
Lead	ND	0.51		mg/Kg	2	1/15/2020 5:46:09 PM
Manganese	22	0.20		mg/Kg	2	1/15/2020 5:46:09 PM
Selenium	7.5	5.1		mg/Kg	2	1/20/2020 2:55:17 PM
Silver	2.7	0.51		mg/Kg	2	1/15/2020 5:46:09 PM
Zinc	6.8	5.1		mg/Kg	2	1/15/2020 5:46:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-029
Matrix: SOIL

Client Sample ID: 20200108C7VZ SS
Collection Date: 1/8/2020 4:24:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	1/15/2020 1:21:00 PM
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	1/15/2020 1:21:00 PM
Surr: DNOP	64.0	55.1-146		%Rec	1	1/15/2020 1:21:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 8:55:42 PM
Surr: BFB	90.2	66.6-105		%Rec	1	1/15/2020 8:55:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	1/15/2020 8:55:42 PM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 8:55:42 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 8:55:42 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2020 8:55:42 PM
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	1/15/2020 8:55:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	59		mg/Kg	20	1/15/2020 8:30:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-030
Matrix: SOIL

Client Sample ID: 20200108C7VZ SE
Collection Date: 1/8/2020 4:28:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/15/2020 1:30:16 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/15/2020 1:30:16 PM
Surr: DNOP	83.0	55.1-146		%Rec	1	1/15/2020 1:30:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 9:18:36 PM
Surr: BFB	91.3	66.6-105		%Rec	1	1/15/2020 9:18:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 9:18:36 PM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 9:18:36 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 9:18:36 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2020 9:18:36 PM
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	1/15/2020 9:18:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	810	60		mg/Kg	20	1/15/2020 8:42:39 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-031
Matrix: SOIL

Client Sample ID: 20200108C7VZ NE
Collection Date: 1/8/2020 4:31:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/15/2020 1:39:33 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/15/2020 1:39:33 PM
Surr: DNOP	84.4	55.1-146		%Rec	1	1/15/2020 1:39:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 9:41:26 PM
Surr: BFB	91.6	66.6-105		%Rec	1	1/15/2020 9:41:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 9:41:26 PM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 9:41:26 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 9:41:26 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2020 9:41:26 PM
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	1/15/2020 9:41:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	370	60		mg/Kg	20	1/15/2020 8:55:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-032
Matrix: SOIL

Client Sample ID: 20200108C7VZ NW
Collection Date: 1/8/2020 4:36:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/15/2020 1:48:52 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/15/2020 1:48:52 PM
Surr: DNOP	82.7	55.1-146		%Rec	1	1/15/2020 1:48:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 10:04:20 PM
Surr: BFB	89.3	66.6-105		%Rec	1	1/15/2020 10:04:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	1/15/2020 10:04:20 PM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 10:04:20 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 10:04:20 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2020 10:04:20 PM
Surr: 4-Bromofluorobenzene	91.9	80-120		%Rec	1	1/15/2020 10:04:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 9:07:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-033
Matrix: SOIL

Client Sample ID: 20200108C7VZ SW
Collection Date: 1/8/2020 4:39:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/15/2020 1:57:54 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/15/2020 1:57:54 PM
Surr: DNOP	88.2	55.1-146		%Rec	1	1/15/2020 1:57:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 10:27:15 PM
Surr: BFB	92.1	66.6-105		%Rec	1	1/15/2020 10:27:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 10:27:15 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 10:27:15 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 10:27:15 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 10:27:15 PM
Surr: 4-Bromofluorobenzene	94.3	80-120		%Rec	1	1/15/2020 10:27:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 9:19:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-034
Matrix: SOIL

Client Sample ID: 20200108C7VZ COMP
Collection Date: 1/8/2020 4:39:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:54:45 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.0		mg/Kg	2	1/15/2020 5:47:42 PM
Arsenic	ND	5.0		mg/Kg	2	1/20/2020 2:56:50 PM
Barium	77	0.20		mg/Kg	2	1/15/2020 5:47:42 PM
Beryllium	0.45	0.30		mg/Kg	2	1/15/2020 5:47:42 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:47:42 PM
Chromium	7.3	0.60		mg/Kg	2	1/15/2020 5:47:42 PM
Copper	3.0	0.60		mg/Kg	2	1/15/2020 5:47:42 PM
Iron	8700	250		mg/Kg	100	1/15/2020 6:27:54 PM
Lead	0.55	0.50		mg/Kg	2	1/15/2020 5:47:42 PM
Manganese	88	0.20		mg/Kg	2	1/15/2020 5:47:42 PM
Selenium	ND	5.0		mg/Kg	2	1/20/2020 2:56:50 PM
Silver	ND	0.50		mg/Kg	2	1/15/2020 5:47:42 PM
Zinc	18	5.0		mg/Kg	2	1/15/2020 5:47:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-035
Matrix: SOIL

Client Sample ID: 20200108C8VZ SW
Collection Date: 1/8/2020 4:47:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/15/2020 2:06:56 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/15/2020 2:06:56 PM
Surr: DNOP	91.4	55.1-146		%Rec	1	1/15/2020 2:06:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 10:50:15 PM
Surr: BFB	91.2	66.6-105		%Rec	1	1/15/2020 10:50:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 10:50:15 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 10:50:15 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 10:50:15 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 10:50:15 PM
Surr: 4-Bromofluorobenzene	93.9	80-120		%Rec	1	1/15/2020 10:50:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	320	60		mg/Kg	20	1/15/2020 10:21:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-036
Matrix: SOIL

Client Sample ID: 20200108C8VZ NW
Collection Date: 1/8/2020 4:52:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/15/2020 2:16:12 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/15/2020 2:16:12 PM
Surr: DNOP	87.4	55.1-146		%Rec	1	1/15/2020 2:16:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/16/2020 12:21:46 AM
Surr: BFB	88.9	66.6-105		%Rec	1	1/16/2020 12:21:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/16/2020 12:21:46 AM
Toluene	ND	0.048		mg/Kg	1	1/16/2020 12:21:46 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/16/2020 12:21:46 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/16/2020 12:21:46 AM
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	1/16/2020 12:21:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	130	60		mg/Kg	20	1/15/2020 10:33:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-037
Matrix: SOIL

Client Sample ID: 20200108C8VZ NE
Collection Date: 1/8/2020 4:55:00 PM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/16/2020 12:07:03 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/16/2020 12:07:03 PM
Surr: DNOP	102	55.1-146		%Rec	1	1/16/2020 12:07:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2020 10:16:27 AM
Surr: BFB	81.8	66.6-105		%Rec	1	1/15/2020 10:16:27 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	1/15/2020 10:16:27 AM
Toluene	ND	0.047		mg/Kg	1	1/15/2020 10:16:27 AM
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2020 10:16:27 AM
Xylenes, Total	ND	0.093		mg/Kg	1	1/15/2020 10:16:27 AM
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	1/15/2020 10:16:27 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 10:46:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-038
Matrix: SOIL

Client Sample ID: 20200109C8VZ SE
Collection Date: 1/9/2020 9:05:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/16/2020 12:34:19 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/16/2020 12:34:19 PM
Surr: DNOP	95.5	55.1-146		%Rec	1	1/16/2020 12:34:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 11:27:32 AM
Surr: BFB	82.5	66.6-105		%Rec	1	1/15/2020 11:27:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 11:27:32 AM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 11:27:32 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 11:27:32 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2020 11:27:32 AM
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	1/15/2020 11:27:32 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 10:58:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-039
Matrix: SOIL

Client Sample ID: 20200109C8VZ COMP
Collection Date: 1/9/2020 9:05:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:56:49 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	4.9		mg/Kg	2	1/15/2020 5:49:15 PM
Arsenic	ND	4.9		mg/Kg	2	1/20/2020 2:58:23 PM
Barium	44	0.20		mg/Kg	2	1/15/2020 5:49:15 PM
Beryllium	0.65	0.30		mg/Kg	2	1/15/2020 5:49:15 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 5:49:15 PM
Chromium	10	0.59		mg/Kg	2	1/15/2020 5:49:15 PM
Copper	1.5	0.59		mg/Kg	2	1/15/2020 5:49:15 PM
Iron	12000	250		mg/Kg	100	1/15/2020 6:29:27 PM
Lead	0.52	0.49		mg/Kg	2	1/15/2020 5:49:15 PM
Manganese	73	0.20		mg/Kg	2	1/15/2020 5:49:15 PM
Selenium	ND	4.9		mg/Kg	2	1/20/2020 2:58:23 PM
Silver	ND	0.49		mg/Kg	2	1/15/2020 5:49:15 PM
Zinc	24	4.9		mg/Kg	2	1/15/2020 5:49:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-040
Matrix: SOIL

Client Sample ID: 20200109C9VZ S
Collection Date: 1/9/2020 9:14:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/17/2020 8:06:36 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/17/2020 8:06:36 AM
Surr: DNOP	100	55.1-146		%Rec	1	1/17/2020 8:06:36 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 12:38:26 PM
Surr: BFB	79.3	66.6-105		%Rec	1	1/15/2020 12:38:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 12:38:26 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 12:38:26 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 12:38:26 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 12:38:26 PM
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	1/15/2020 12:38:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 11:10:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-041
Matrix: SOIL

Client Sample ID: 20200109C9VZ N
Collection Date: 1/9/2020 9:19:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/16/2020 12:52:31 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/16/2020 12:52:31 PM
Surr: DNOP	106	55.1-146		%Rec	1	1/16/2020 12:52:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 1:01:52 PM
Surr: BFB	79.6	66.6-105		%Rec	1	1/15/2020 1:01:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 1:01:52 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 1:01:52 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 1:01:52 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 1:01:52 PM
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	1/15/2020 1:01:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	1/15/2020 11:23:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-042
Matrix: SOIL

Client Sample ID: 20200109C9VZ COMP
Collection Date: 1/9/2020 9:19:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 4:58:53 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	4.8		mg/Kg	2	1/15/2020 6:01:41 PM
Arsenic	ND	4.8		mg/Kg	2	1/20/2020 3:13:13 PM
Barium	72	0.19		mg/Kg	2	1/15/2020 6:01:41 PM
Beryllium	0.69	0.29		mg/Kg	2	1/15/2020 6:01:41 PM
Cadmium	ND	0.19		mg/Kg	2	1/15/2020 6:01:41 PM
Chromium	9.9	0.58		mg/Kg	2	1/15/2020 6:01:41 PM
Copper	1.9	0.58		mg/Kg	2	1/15/2020 6:01:41 PM
Iron	12000	240		mg/Kg	100	1/15/2020 6:31:00 PM
Lead	0.55	0.48		mg/Kg	2	1/15/2020 6:01:41 PM
Manganese	71	0.19		mg/Kg	2	1/15/2020 6:01:41 PM
Selenium	ND	4.8		mg/Kg	2	1/15/2020 6:01:41 PM
Silver	ND	0.48		mg/Kg	2	1/15/2020 6:01:41 PM
Zinc	23	4.8		mg/Kg	2	1/15/2020 6:01:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-043
Matrix: SOIL

Client Sample ID: 20200109C10VZ NW
Collection Date: 1/9/2020 9:32:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/16/2020 1:01:36 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/16/2020 1:01:36 PM
Surr: DNOP	101	55.1-146		%Rec	1	1/16/2020 1:01:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 1:25:16 PM
Surr: BFB	81.0	66.6-105		%Rec	1	1/15/2020 1:25:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 1:25:16 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 1:25:16 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 1:25:16 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2020 1:25:16 PM
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	1/15/2020 1:25:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 2:01:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-044
Matrix: SOIL

Client Sample ID: 20200109C10VZ NE
Collection Date: 1/9/2020 9:39:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/16/2020 1:10:42 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/16/2020 1:10:42 PM
Surr: DNOP	114	55.1-146		%Rec	1	1/16/2020 1:10:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 1:48:45 PM
Surr: BFB	82.0	66.6-105		%Rec	1	1/15/2020 1:48:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 1:48:45 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 1:48:45 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 1:48:45 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 1:48:45 PM
Surr: 4-Bromofluorobenzene	94.1	80-120		%Rec	1	1/15/2020 1:48:45 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 2:38:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-045
Matrix: SOIL

Client Sample ID: 20200109C10VZ SE
Collection Date: 1/9/2020 9:44:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/16/2020 1:19:50 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/16/2020 1:19:50 PM
Surr: DNOP	106	55.1-146		%Rec	1	1/16/2020 1:19:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 2:12:11 PM
Surr: BFB	80.7	66.6-105		%Rec	1	1/15/2020 2:12:11 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 2:12:11 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 2:12:11 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 2:12:11 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 2:12:11 PM
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	1/15/2020 2:12:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 2:50:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-046
Matrix: SOIL

Client Sample ID: 20200109C10VZ SW
Collection Date: 1/9/2020 9:50:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/16/2020 1:28:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/16/2020 1:28:55 PM
Surr: DNOP	99.3	55.1-146		%Rec	1	1/16/2020 1:28:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 2:35:30 PM
Surr: BFB	80.3	66.6-105		%Rec	1	1/15/2020 2:35:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 2:35:30 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 2:35:30 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 2:35:30 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 2:35:30 PM
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	1/15/2020 2:35:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 3:03:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-047
Matrix: SOIL

Client Sample ID: 20200109C10VZ COMP
Collection Date: 1/9/2020 9:50:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 5:00:58 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	4.9		mg/Kg	2	1/15/2020 6:03:15 PM
Arsenic	ND	4.9		mg/Kg	2	1/20/2020 3:14:41 PM
Barium	84	0.20		mg/Kg	2	1/15/2020 6:03:15 PM
Beryllium	0.83	0.29		mg/Kg	2	1/15/2020 6:03:15 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 6:03:15 PM
Chromium	13	0.59		mg/Kg	2	1/15/2020 6:03:15 PM
Copper	2.7	0.59		mg/Kg	2	1/15/2020 6:03:15 PM
Iron	15000	240		mg/Kg	100	1/15/2020 6:34:22 PM
Lead	ND	0.49		mg/Kg	2	1/15/2020 6:03:15 PM
Manganese	83	0.20		mg/Kg	2	1/15/2020 6:03:15 PM
Selenium	ND	4.9		mg/Kg	2	1/15/2020 6:03:15 PM
Silver	ND	0.49		mg/Kg	2	1/15/2020 6:03:15 PM
Zinc	31	4.9		mg/Kg	2	1/15/2020 6:03:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-048
Matrix: SOIL

Client Sample ID: 20200109C11VZ NW
Collection Date: 1/9/2020 10:02:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/16/2020 1:38:13 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/16/2020 1:38:13 PM
Surr: DNOP	103	55.1-146		%Rec	1	1/16/2020 1:38:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 2:58:56 PM
Surr: BFB	80.7	66.6-105		%Rec	1	1/15/2020 2:58:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 2:58:56 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 2:58:56 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 2:58:56 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 2:58:56 PM
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	1	1/15/2020 2:58:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 3:15:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-049
Matrix: SOIL

Client Sample ID: 20200109C11VZ SW
Collection Date: 1/9/2020 10:07:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/16/2020 1:47:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/16/2020 1:47:27 PM
Surr: DNOP	104	55.1-146		%Rec	1	1/16/2020 1:47:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 4:33:03 PM
Surr: BFB	80.5	66.6-105		%Rec	1	1/15/2020 4:33:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 4:33:03 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 4:33:03 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 4:33:03 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 4:33:03 PM
Surr: 4-Bromofluorobenzene	90.8	80-120		%Rec	1	1/15/2020 4:33:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	290	60		mg/Kg	20	1/16/2020 3:27:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-050
Matrix: SOIL

Client Sample ID: 20200109C11VZ SE
Collection Date: 1/9/2020 10:11:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/16/2020 1:56:43 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/16/2020 1:56:43 PM
Surr: DNOP	97.4	55.1-146		%Rec	1	1/16/2020 1:56:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 4:56:37 PM
Surr: BFB	79.6	66.6-105		%Rec	1	1/15/2020 4:56:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 4:56:37 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 4:56:37 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 4:56:37 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 4:56:37 PM
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	1/15/2020 4:56:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	240	60		mg/Kg	20	1/16/2020 4:04:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-051
Matrix: SOIL

Client Sample ID: 20200109C11VZ NE
Collection Date: 1/9/2020 10:16:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/16/2020 2:05:55 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/16/2020 2:05:55 PM
Surr: DNOP	104	55.1-146		%Rec	1	1/16/2020 2:05:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 5:20:09 PM
Surr: BFB	79.6	66.6-105		%Rec	1	1/15/2020 5:20:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 5:20:09 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 5:20:09 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 5:20:09 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 5:20:09 PM
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	1/15/2020 5:20:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 4:17:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-052
Matrix: SOIL

Client Sample ID: 20200109C11VZ COMP
Collection Date: 1/9/2020 10:16:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 5:02:56 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	4.9		mg/Kg	2	1/15/2020 6:04:48 PM
Arsenic	ND	4.9		mg/Kg	2	1/20/2020 3:16:13 PM
Barium	53	0.20		mg/Kg	2	1/15/2020 6:04:48 PM
Beryllium	0.67	0.29		mg/Kg	2	1/15/2020 6:04:48 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 6:04:48 PM
Chromium	11	0.59		mg/Kg	2	1/15/2020 6:04:48 PM
Copper	3.2	0.59		mg/Kg	2	1/15/2020 6:04:48 PM
Iron	12000	250		mg/Kg	100	1/15/2020 6:35:57 PM
Lead	ND	0.49		mg/Kg	2	1/15/2020 6:04:48 PM
Manganese	92	0.20		mg/Kg	2	1/15/2020 6:04:48 PM
Selenium	ND	4.9		mg/Kg	2	1/15/2020 6:04:48 PM
Silver	ND	0.49		mg/Kg	2	1/15/2020 6:04:48 PM
Zinc	27	4.9		mg/Kg	2	1/15/2020 6:04:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-053
Matrix: SOIL

Client Sample ID: 20200109C12VZ E
Collection Date: 1/9/2020 10:26:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/16/2020 2:15:05 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/16/2020 2:15:05 PM
Surr: DNOP	104	55.1-146		%Rec	1	1/16/2020 2:15:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 5:43:44 PM
Surr: BFB	77.9	66.6-105		%Rec	1	1/15/2020 5:43:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 5:43:44 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 5:43:44 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 5:43:44 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 5:43:44 PM
Surr: 4-Bromofluorobenzene	88.4	80-120		%Rec	1	1/15/2020 5:43:44 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 4:29:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-054
Matrix: SOIL

Client Sample ID: 20200109C12VZ ME
Collection Date: 1/9/2020 10:30:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/16/2020 2:24:14 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/16/2020 2:24:14 PM
Surr: DNOP	105	55.1-146		%Rec	1	1/16/2020 2:24:14 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 6:07:23 PM
Surr: BFB	78.0	66.6-105		%Rec	1	1/15/2020 6:07:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 6:07:23 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 6:07:23 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 6:07:23 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 6:07:23 PM
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	1/15/2020 6:07:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	60		mg/Kg	20	1/16/2020 5:06:39 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-055
Matrix: SOIL

Client Sample ID: 20200109C12VZ MW
Collection Date: 1/9/2020 10:36:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/16/2020 2:33:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/16/2020 2:33:23 PM
Surr: DNOP	103	55.1-146		%Rec	1	1/16/2020 2:33:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 6:30:54 PM
Surr: BFB	77.2	66.6-105		%Rec	1	1/15/2020 6:30:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 6:30:54 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 6:30:54 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 6:30:54 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/15/2020 6:30:54 PM
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	1/15/2020 6:30:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/17/2020 11:34:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-056
Matrix: SOIL

Client Sample ID: 20200109C12VZ W
Collection Date: 1/9/2020 10:41:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/16/2020 2:42:31 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/16/2020 2:42:31 PM
Surr: DNOP	91.9	55.1-146		%Rec	1	1/16/2020 2:42:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 6:54:18 PM
Surr: BFB	77.1	66.6-105		%Rec	1	1/15/2020 6:54:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 6:54:18 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 6:54:18 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 6:54:18 PM
Xylenes, Total	ND	0.098		mg/Kg	1	1/15/2020 6:54:18 PM
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	1/15/2020 6:54:18 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	510	60		mg/Kg	20	1/17/2020 11:46:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-057
Matrix: SOIL

Client Sample ID: 20200109C12VZ COMP
Collection Date: 1/9/2020 10:41:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.032		mg/Kg	1	1/13/2020 5:04:54 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	4.9		mg/Kg	2	1/15/2020 6:06:17 PM
Arsenic	ND	4.9		mg/Kg	2	1/20/2020 2:59:56 PM
Barium	110	0.20		mg/Kg	2	1/15/2020 6:06:17 PM
Beryllium	0.40	0.29		mg/Kg	2	1/15/2020 6:06:17 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 6:06:17 PM
Chromium	6.1	0.59		mg/Kg	2	1/15/2020 6:06:17 PM
Copper	2.1	0.59		mg/Kg	2	1/15/2020 6:06:17 PM
Iron	6900	250		mg/Kg	100	1/15/2020 6:37:31 PM
Lead	ND	0.49		mg/Kg	2	1/15/2020 6:06:17 PM
Manganese	42	0.20		mg/Kg	2	1/15/2020 6:06:17 PM
Selenium	ND	4.9		mg/Kg	2	1/15/2020 6:06:17 PM
Silver	0.73	0.49		mg/Kg	2	1/20/2020 4:33:47 PM
Zinc	13	4.9		mg/Kg	2	1/15/2020 6:06:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-058
Matrix: SOIL

Client Sample ID: 20200109C13VZ C
Collection Date: 1/9/2020 10:47:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/16/2020 2:51:39 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/16/2020 2:51:39 PM
Surr: DNOP	98.5	55.1-146		%Rec	1	1/16/2020 2:51:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 7:17:31 PM
Surr: BFB	80.5	66.6-105		%Rec	1	1/15/2020 7:17:31 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 7:17:31 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 7:17:31 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 7:17:31 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2020 7:17:31 PM
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	1/15/2020 7:17:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/17/2020 11:59:14 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-059
Matrix: SOIL

Client Sample ID: 20200109C14VZ C
Collection Date: 1/9/2020 10:55:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/16/2020 3:00:46 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/16/2020 3:00:46 PM
Surr: DNOP	83.2	55.1-146		%Rec	1	1/16/2020 3:00:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 7:41:09 PM
Surr: BFB	79.1	66.6-105		%Rec	1	1/15/2020 7:41:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	1/15/2020 7:41:09 PM
Toluene	ND	0.049		mg/Kg	1	1/15/2020 7:41:09 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/15/2020 7:41:09 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/15/2020 7:41:09 PM
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	1/15/2020 7:41:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	1/18/2020 12:11:34 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-060
Matrix: SOIL

Client Sample ID: 20200109C15VZ C
Collection Date: 1/9/2020 10:59:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/16/2020 3:09:51 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/16/2020 3:09:51 PM
Surr: DNOP	82.6	55.1-146		%Rec	1	1/16/2020 3:09:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2020 8:04:46 PM
Surr: BFB	80.0	66.6-105		%Rec	1	1/15/2020 8:04:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	1/15/2020 8:04:46 PM
Toluene	ND	0.048		mg/Kg	1	1/15/2020 8:04:46 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2020 8:04:46 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/15/2020 8:04:46 PM
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	1/15/2020 8:04:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	61		mg/Kg	20	1/18/2020 12:23:55 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2001435**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: **1/28/2020**

CLIENT: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring
Lab ID: 2001435-061
Matrix: SOIL

Client Sample ID: 20200109C131415 COMP
Collection Date: 1/9/2020 10:59:00 AM
Received Date: 1/11/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **rde**
Mercury	ND	0.033		mg/Kg	1	1/13/2020 5:06:53 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **rde**
Antimony	ND	5.0		mg/Kg	2	1/15/2020 6:09:38 PM
Arsenic	ND	5.0		mg/Kg	2	1/20/2020 3:17:46 PM
Barium	55	0.20		mg/Kg	2	1/15/2020 6:09:38 PM
Beryllium	0.32	0.30		mg/Kg	2	1/15/2020 6:09:38 PM
Cadmium	ND	0.20		mg/Kg	2	1/15/2020 6:09:38 PM
Chromium	5.7	0.60		mg/Kg	2	1/15/2020 6:09:38 PM
Copper	2.9	0.60		mg/Kg	2	1/15/2020 6:09:38 PM
Iron	5800	250		mg/Kg	100	1/15/2020 6:45:31 PM
Lead	1.5	0.50		mg/Kg	2	1/15/2020 6:09:38 PM
Manganese	69	0.20		mg/Kg	2	1/15/2020 6:09:38 PM
Selenium	ND	5.0		mg/Kg	2	1/15/2020 6:09:38 PM
Silver	ND	0.50		mg/Kg	2	1/15/2020 6:09:38 PM
Zinc	13	5.0		mg/Kg	2	1/15/2020 6:09:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
P Sample pH Not In Range
PQL Practical Quanitative Limit
RL Reporting Limit
S % Recovery outside of range due to dilution or matrix

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National Center for Testing & Innovation

ANALYTICAL REPORT

January 28, 2020

Hall Environmental Analysis Laboratory

Sample Delivery Group: L1182722

Samples Received: 01/24/2020

Project Number:

Description:

Report To:

4901 Hawkins NE

Albuquerque, NM 87109

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

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2001435-005A 20200108C1VZ COMP L1182722-01 Solid

Collected by	Collected date/time	Received date/time
	01/08/20 09:31	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:07	EL	Mt. Juliet, TN

2001435-010A 20200108C2VZ COMP L1182722-02 Solid

Collected by	Collected date/time	Received date/time
	01/08/20 10:10	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:31	EL	Mt. Juliet, TN

2001435-013A 20200108C3VZ COMP L1182722-03 Solid

Collected by	Collected date/time	Received date/time
	01/08/20 11:35	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:34	EL	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
2001435-018A 20200108C4VZ COMP L1182722-04 Solid		01/08/20 14:40	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:37	EL	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
2001435-023A 20200108C5VZ COMP L1182722-05 Solid		01/08/20 12:30	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:40	EL	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
2001435-028A 20200108C6VZ COMP L1182722-06 Solid		01/08/20 16:17	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:43	EL	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
2001435-034A 20200108C7VZ COMP L1182722-07 Solid		01/08/20 16:39	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:45	EL	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
2001435-039A 20200109C8VZ COMP L1182722-08 Solid		01/09/20 09:05	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:48	EL	Mt. Juliet, TN

1 Cp

2 Tc

II. SAMPLE SUMMARY

			Collected by	Collected date/time	Received date/time
2001435-042A 20200109C9VZ COMP L1182722-09 Solid				01/09/20 09:19	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:51	EL	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time
2001435-047A 20200109C10VZ COMP L1182722-10 Solid				01/09/20 09:50	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:53	EL	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time
2001435-052A 20200109C11VZ COMP L1182722-11 Solid				01/09/20 10:16	01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:56	EL	Mt. Juliet, TN

			Collected by	Collected date/time	Received date/time

2001435-057A 20200109C12VZ COMP L1182722-12 Solid

01/09/20 10:41 01/24/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 17:48	EL	Mt. Juliet, TN

Collected by

Collected date/time
01/09/20 10:59

Received date/time
01/24/20 09:00

2001435-061A 20200109C131415 COMP L1182722-13 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location

Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 17:51	EL	Mt. Juliet, TN

III. CASE NARRATIVE

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

Daphne Richards
Project Manager

2001435-005A 20200108C1VZ COMP
Collected date/time: 01/08/20 09:31

SAMPLE RESULTS - 01

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:07

	Qualifier	Batch
		WG1417028

2001435-010A 20200108C2VZ COMP
Collected date/time: 01/08/20 10:10

SAMPLE RESULTS - 02

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:31

	Qualifier	Batch
		WG1417028

2001435-013A 20200108C3VZ COMP
Collected date/time: 01/08/20 11:35

SAMPLE RESULTS - 03

L1182722

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/27/2020 18:34

	Qualifier	Batch
		WG1417028

2001435-018A 20200108C4VZ COMP
Collected date/time: 01/08/20 14:40

SAMPLE RESULTS - 04

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:37

	Qualifier	Batch
		WG1417028

2001435-023A 20200108C5VZ COMP
Collected date/time: 01/08/20 12:30

SAMPLE RESULTS - 05

L1182722

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/27/2020 18:40

	Qualifier	Batch
		WG1417028

2001435-028A 20200108C6VZ COMP
Collected date/time: 01/08/20 16:17

SAMPLE RESULTS - 06

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:43

	Qualifier	Batch
		WG1417028

2001435-034A 20200108C7VZ COMP
Collected date/time: 01/08/20 16:39

SAMPLE RESULTS - 07

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:45

	Qualifier	Batch
		WG1417028

2001435-039A 20200109C8VZ COMP
Collected date/time: 01/09/20 09:05

SAMPLE RESULTS - 08

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:48

	Qualifier	Batch
		WG1417028

2001435-042A 20200109C9VZ COMP
Collected date/time: 01/09/20 09:19

SAMPLE RESULTS - 09

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:51

	Qualifier	Batch
		WG1417028

2001435-047A 20200109C10VZ COMP
Collected date/time: 01/09/20 09:50

SAMPLE RESULTS - 10

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 18:53

	Qualifier	Batch
		WG1417028

2001435-052A 20200109C11VZ COMP
Collected date/time: 01/09/20 10:16

SAMPLE RESULTS - 11

L1182722

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/27/2020 18:56

	Qualifier	Batch
		WG1417028

2001435-057A 20200109C12VZ COMP
Collected date/time: 01/09/20 10:41

SAMPLE RESULTS - 12

L1182722

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	RDL mg/kg	Dilution	Analysis date / time
Thallium	ND	2.00	1	01/27/2020 17:48

	Qualifier	Batch
		WG1417028

2001435-061A 20200109C131415 COMP
Collected date/time: 01/09/20 10:59

SAMPLE RESULTS - 13

L1182722

Metals (ICP) by Method 6010B

	Result	RDL	Dilution	Analysis
Analyte	mg/kg	mg/kg		date / time
Thallium	ND	2.00	1	01/27/2020 17:51

Method Blank (MB)

(MB) R3494597-1 01/27/20 17:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Thallium	U		0.650	2.00

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

(LCS) R3494597-2 01/27/2) 18:01 • (LCSD) R3494597-3 01/27/20 18:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Thallium	100	95.8	94.9	95.8	94.9	80.0-120			0.903	20

L1182722-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1182722-01 01/27/20 18:07 • (MS) R3494597-6 01/27/20 18:15 • (MSD) R3494597-7 01/27/20 18:18

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Thallium	100	ND	96.0	97.6	96.0	97.6	1	75.0-125			1.65	20

GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.

Guide to Reading and Understanding Your Laboratory Report

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

Tc Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Re

Abbreviations and Definitions

1 Cp

2 Results I

3 Ss

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

Sc

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE. * Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

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

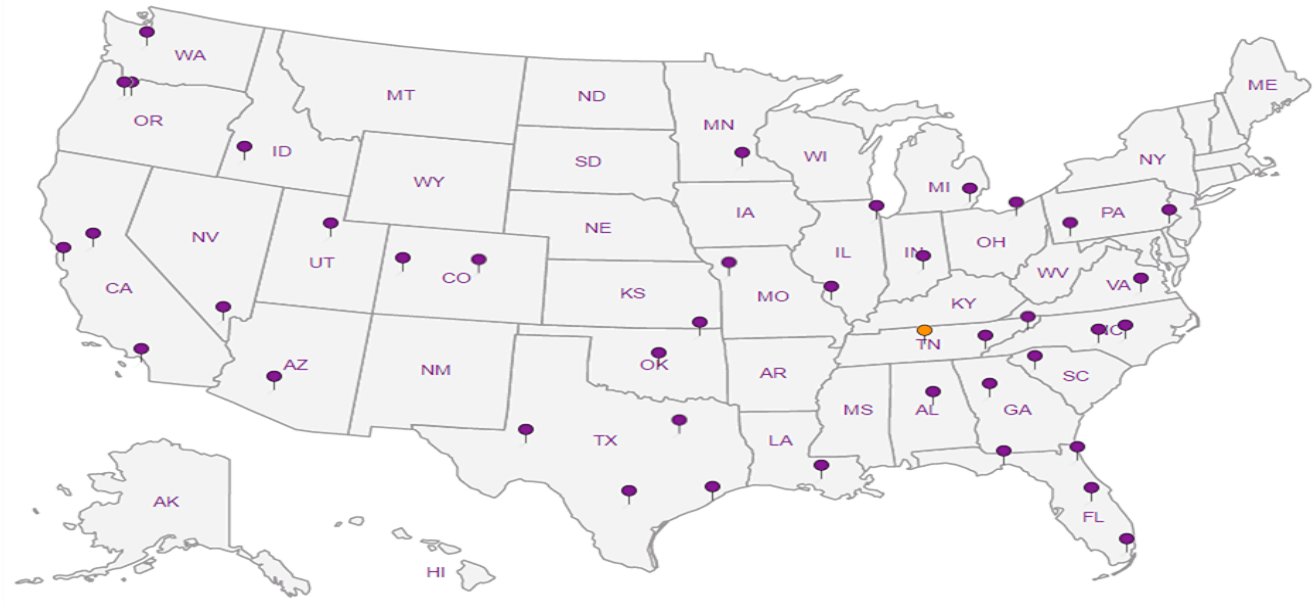
State Accreditations

EPA–Crypto	TN00003

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

Our Locations

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



HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

D126

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: ESC PACE	COMPANY: ESC PACE	PHONE: (800) 767-5859	FAX: (615) 758-5859
ADDRESS: 12065 Lebanon Rd		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Mt. Juliet, TN 37122			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2001435-005A	20200108C1VZ COMP	4OZGU	Soil	1/8/2020 9:31:00 AM	1	Thallium ***5DAY TAT L11&2722-01
2	2001435-010A	20200108C2VZ COMP	4OZGU	Soil	1/8/2020 10:10:00 AM	1	Thallium ***5DAY TAT 02
3	2001435-013A	20200108C3VZ COMP	4OZGU	Soil	1/8/2020 11:35:00 AM	1	Thallium 5DAY TAT LB 1/23/2020 03
4	2001435-018A	20200108C4VZ COMP	4OZGU	Soil	1/8/2020 2:40:00 PM	1	Thallium ***5DAY TAT 04
5	2001435-023A	20200108C5VZ COMP	4OZGU	Soil	1/8/2020 12:30:00 PM	1	Thallium ***5DAY TAT 05
6	2001435-028A	20200108C6VZ COMP	4OZGU	Soil	1/8/2020 4:17:00 PM	1	Thallium ***5DAY TAT 06
7	2001435-034A	20200108C7VZ COMP	4OZGU	Soil	1/8/2020 4:39:00 PM	1	Thallium ***5DAY TAT 07
8	2001435-039A	20200109C8VZ COMP	4OZGU	Soil	1/9/2020 9:05:00 AM	1	Thallium ***5DAY TAT 08
9	2001435-042A	20200109C9VZ COMP	4OZGU	Soil	1/9/2020 9:19:00 AM	1	Thallium ***5DAY TAT 09
10	2001435-047A	20200109C10VZ COMP	4OZGU	Soil	1/9/2020 9:50:00 AM	1	Thallium ***5DAY TAT 10
11	2001435-052A	20200109C11VZ COMP	4OZGU	Soil	1/9/2020 10:16:00 AM	1	Thallium ***5DAY TAT 11
12	2001435-057A	20200109C12VZ COMP	4OZGU	Soil	1/9/2020 10:41:00 AM	1	Thallium ***5DAY TAT 12
13	2001435-061A	20200109C131415 COMP	4OZGU	Soil	1/9/2020 10:59:00 AM	1	Thallium ***5DAY TAT 13

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: LB	Date: 1/23/2020	Time: 11:48 AM	Received By: Hally M	Date: 1/24/2020	Time: 700
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

4510 1669 2384

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 1.1-5=0.6 °C Attempt to Cool ?
Comments: RAD SCREEN: <0.5 mR/hr Cacst

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: HALLENVANM	L1182722	
Cooler Received/Opened On: 1/24/20 Temperature:	0.6	
Received By: Hailey Melson		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **MB-49819** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49819** RunNo: **65835**
Prep Date: **1/15/2020** Analysis Date: **1/15/2020** SeqNo: **2260819** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49819** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49819** RunNo: **65835**
Prep Date: **1/15/2020** Analysis Date: **1/15/2020** SeqNo: **2260820** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Sample ID: **MB-49827** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49827** RunNo: **65835**
Prep Date: **1/15/2020** Analysis Date: **1/15/2020** SeqNo: **2260855** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49827** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49827** RunNo: **65835**
Prep Date: **1/15/2020** Analysis Date: **1/15/2020** SeqNo: **2260856** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Sample ID: **MB-49854** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49854** RunNo: **65853**
Prep Date: **1/16/2020** Analysis Date: **1/16/2020** SeqNo: **2262297** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **MB-49898** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49898** RunNo: **65885**
Prep Date: **1/17/2020** Analysis Date: **1/17/2020** SeqNo: **2262633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49854** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49854** RunNo: **65853**
Prep Date: **1/16/2020** Analysis Date: **1/16/2020** SeqNo: **2262298** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: **LCS-49898** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49898** RunNo: **65885**
Prep Date: **1/17/2020** Analysis Date: **1/17/2020** SeqNo: **2262634** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: **MB-49898** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **49898** RunNo: **65902**
Prep Date: **1/17/2020** Analysis Date: **1/20/2020** SeqNo: **2264199** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49898** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **49898** RunNo: **65902**
Prep Date: **1/17/2020** Analysis Date: **1/20/2020** SeqNo: **2264200** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			
Diesel Range Organics (DRO)	47	10	50.00	0	94.6	63.9	124			
Surr: DNOP	3.9		5.000		77.8	55.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring

Sample ID: **LCS-49776** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49776** RunNo: **65773**
Prep Date: **1/13/2020** Analysis Date: **1/14/2020** SeqNo: **2259053** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **MB-49776** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49776** RunNo: **65773**
Prep Date: **1/13/2020** Analysis Date: **1/14/2020** SeqNo: **2259056** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.1	55.1	146			

Sample ID: **2001435-003AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20200108C1VZ NE** Batch ID: **49802** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259891** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.8	49.07	2.278	110	47.4	136			
Surr: DNOP	4.6		4.907		93.2	55.1	146			

Sample ID: **2001435-003AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20200108C1VZ NE** Batch ID: **49802** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259892** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	49.90	2.278	102	47.4	136	5.13	43.4	
Surr: DNOP	4.6		4.990		92.7	55.1	146	0	0	

Sample ID: **2001435-017AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20200108C4VZ NE** Batch ID: **49810** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259904** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.4	47.04	2.004	97.7	47.4	136			
Surr: DNOP	4.3		4.704		92.3	55.1	146			
Diesel Range Organics (DRO)	51	10	50.05	2.004	97.6	47.4	136	5.81	43.4	
Surr: DNOP	4.4		5.005		87.6	55.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **2001435-017AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20200108C4VZ NE** Batch ID: **49810** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259905** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **LCS-49802** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49802** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259907** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	10	50.00	0	127	63.9	124			S
Surr: DNOP	5.5		5.000		110	55.1	146			

Sample ID: **LCS-49810** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49810** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259908** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.6	63.9	124			
Surr: DNOP	4.0		5.000		80.2	55.1	146			

Sample ID: **MB-49802** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49802** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259909** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	55.1	146			

Sample ID: **MB-49810** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49810** RunNo: **65797**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2259910** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.1	55.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **LCS-49817** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49817** RunNo: **65840**
Prep Date: **1/15/2020** Analysis Date: **1/16/2020** SeqNo: **2261199** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	63.9	124			
Surr: DNOP	4.0		5.000		80.7	55.1	146			

Sample ID: **MB-49817** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49817** RunNo: **65840**
Prep Date: **1/15/2020** Analysis Date: **1/16/2020** SeqNo: **2261202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.6	55.1	146			

Sample ID: **2001435-037AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20200108C8VZ NE** Batch ID: **49817** RunNo: **65840**
Prep Date: **1/15/2020** Analysis Date: **1/16/2020** SeqNo: **2261616** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.5	47.30	2.333	95.2	47.4	136			
Surr: DNOP	4.0		4.730		84.1	55.1	146			

Sample ID: **2001435-037AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **20200108C8VZ NE** Batch ID: **49817** RunNo: **65840**
Prep Date: **1/15/2020** Analysis Date: **1/16/2020** SeqNo: **2261617** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.9	49.65	2.333	94.5	47.4	136	3.91	43.4	
Surr: DNOP	4.1	4.965	83.4	55.1	146	0	0 Gasoline Range Organics (GRO)	ND	5.0	
Surr: BFB	900		1000		89.8	66.6	105			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc
Project: EPI Vadose Zone Monitoring

Sample ID: **mb-49771** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49771** RunNo: **65777**
Prep Date: **1/13/2020** Analysis Date: **1/14/2020** SeqNo: **2259101** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **lcs-49771** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49771** RunNo: **65777**
Prep Date: **1/13/2020** Analysis Date: **1/14/2020** SeqNo: **2259108** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	80	120			
Surr: BFB	1100		1000		108	66.6	105			S

Sample ID: **mb-49809** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49809** RunNo: **65821**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260376** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		82.6	66.6	105			

Sample ID: **lcs-49809** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49809** RunNo: **65821**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260377** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.7	80	120			
Surr: BFB	950		1000		95.3	66.6	105			

Sample ID: **2001435-037ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **20200108C8VZ NE** Batch ID: **49809** RunNo: **65821**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260379** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.75	0	103	69.1	142			
Surr: BFB	910		990.1		92.1	66.6	105			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **2001435-037amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **20200108C8VZ NE** Batch ID: **49809** RunNo: **65821**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260380** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **2001435-037amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **20200108C8VZ NE** Batch ID: **49809** RunNo: **65821**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260380** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.65	0	104	69.1	142	0.418	20	
Surr: BFB	900		986.2		91.2	66.6	105	0	0	

Sample ID: **mb-49808** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **49808** RunNo: **65822**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260432** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.8	66.6	105			

Sample ID: **lcs-49808** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **49808** RunNo: **65822**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260433** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	80	120			
Surr: BFB	1100		1000		106	66.6	105			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **mb-49771** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **49771** RunNo: **65777**

Prep Date: **1/13/2020** Analysis Date: **1/14/2020** SeqNo: **2259151** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.3	80	120			

Sample ID: **LCS-49771** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **49771** RunNo: **65777**

Prep Date: **1/13/2020** Analysis Date: **1/14/2020** SeqNo: **2259152** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	0.99	0.050	1.000	0	98.8	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: **mb-49809** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **49809** RunNo: **65821**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260405** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **2001435-038ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **20200109C8VZ SE** Batch ID: **49809** RunNo: **65821**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260409** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.97	0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	80	120			

Sample ID: **LCS-49809** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **49809** RunNo: **65821**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260406** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9579	0	105	78.5	119			
Toluene	1.0	0.048	0.9579	0.01093	106	75.7	123			
Ethylbenzene	1.0	0.048	0.9579	0	108	74.3	126			
Xylenes, Total	3.1	0.096	2.874	0.01789	108	72.9	130			
Surr: 4-Bromofluorobenzene	0.93		0.9579		97.1	80	120			

Sample ID: **2001435-038amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **20200109C8VZ SE** Batch ID: **49809** RunNo: **65821**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260410** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9852	0	101	78.5	119	1.06	20	
Toluene	1.0	0.049	0.9852	0.01093	103	75.7	123	0.662	20	
Ethylbenzene	1.0	0.049	0.9852	0	104	74.3	126	0.621	20	
Xylenes, Total	3.1	0.099	2.956	0.01789	105	72.9	130	0.154	20	
Surr: 4-Bromofluorobenzene	0.96		0.9852		97.3	80	120	0	0	

Sample ID: **mb-49808** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **49808** RunNo: **65822**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260480** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **2001435-017ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **20200108C4VZ NE** Batch ID: **49808** RunNo: **65822**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260483** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120			

Sample ID: **LCS-49808** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **49808** RunNo: **65822**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260481** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.6	80	120			
Toluene	0.98	0.050	1.000	0	98.2	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	80	120			

Sample ID: **2001435-017amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **20200108C4VZ NE** Batch ID: **49808** RunNo: **65822**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2260484** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9643	0	102	78.5	119	1.38	20	
Toluene	1.0	0.048	0.9643	0.005488	106	75.7	123	0.554	20	
Ethylbenzene	1.1	0.048	0.9643	0	110	74.3	126	0.753	20	
Xylenes, Total	3.1	0.096	2.893	0.01755	108	72.9	130	1.24	20	
Surr: 4-Bromofluorobenzene	0.94		0.9643		97.7	80	120	0	0	
Mercury	ND	0.033								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **MB-49772** SampType: **MBLK** TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS** Batch ID: **49772** RunNo: **65742**
Prep Date: **1/13/2020** Analysis Date: **1/13/2020** SeqNo: **2257836** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **LCS-49772** SampType: **LCS** TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS** Batch ID: **49772** RunNo: **65742**
Prep Date: **1/13/2020** Analysis Date: **1/13/2020** SeqNo: **2257838** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	101	80	120			

Sample ID: **LCSLL-49772** SampType: **LCSLL** TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC** Batch ID: **49772** RunNo: **65742**
Prep Date: **1/13/2020** Analysis Date: **1/13/2020** SeqNo: **2257867** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033	0.006660	0	49.9	70	130			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **MB-49793** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**

Client ID: **PBS** Batch ID: **49793** RunNo: **65839**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261121** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.30								
Lead	ND	0.25								
Manganese	ND	0.10								
Selenium	ND	2.5								
Silver	ND	0.25								
Zinc	ND	2.5								

Sample ID: **LCS-49793** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**

Client ID: **LCSS** Batch ID: **49793** RunNo: **65839**

Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261123** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	96.3	80	120			
Barium	24	0.10	25.00	0	98.0	80	120			
Beryllium	25	0.15	25.00	0	99.5	80	120			
Cadmium	25	0.10	25.00	0	98.6	80	120			
Chromium	24	0.30	25.00	0	97.9	80	120			
Copper	26	0.30	25.00	0	105	80	120			
Lead	25	0.25	25.00	0	99.1	80	120			
Manganese	25	0.10	25.00	0	98.4	80	120			
Selenium	22	2.5	25.00	0	89.2	80	120			
Silver	5.0	0.25	5.000	0	100	80	120			
Zinc	23	2.5	25.00	0	94.0	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **2001435-005AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261143** Units: **mg/Kg**

Sample ID: **2001435-005AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261143** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Beryllium	24	0.31	25.60	0.2683	92.6	75	125			
Cadmium	24	0.20	25.60	0	94.9	75	125			
Chromium	26	0.61	25.60	2.981	88.0	75	125			
Copper	28	0.61	25.60	1.374	106	75	125			
Lead	22	0.51	25.60	0	85.0	75	125			
Manganese	45	0.20	25.60	21.93	90.3	75	125			
Silver	8.2	0.51	5.120	2.596	109	75	125			
Zinc	27	5.1	25.60	6.049	83.7	75	125			

Sample ID: **2001435-005AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261144** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Beryllium	24	0.30	25.06	0.2683	93.0	75	125	1.69	20	
Cadmium	24	0.20	25.06	0	94.8	75	125	2.21	20	
Chromium	25	0.60	25.06	2.981	88.5	75	125	1.42	20	
Copper	28	0.60	25.06	1.374	107	75	125	1.19	20	
Lead	21	0.50	25.06	0	82.5	75	125	5.12	20	
Manganese	49	0.20	25.06	21.93	107	75	125	7.85	20	
Silver	7.8	0.50	5.011	2.596	105	75	125	4.26	20	
Zinc	27	5.0	25.06	6.049	83.6	75	125	1.81	20	

Sample ID: **MB-49793** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **49793** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261154** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	3.3	2.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **LCS-49793** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49793** RunNo: **65916**
Prep Date: **1/14/2020** Analysis Date: **1/20/2020** SeqNo: **2263537** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: **LCS-49793** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **49793** RunNo: **65839**
Prep Date: **1/14/2020** Analysis Date: **1/15/2020** SeqNo: **2261156** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	27	2.5	25.00	0	110	80	120			B

Sample ID: **MB-49793** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **49793** RunNo: **65916**
Prep Date: **1/14/2020** Analysis Date: **1/20/2020** SeqNo: **2263535** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Arsenic	24	2.5	25.00	0	94.9	80	120			

Sample ID: **2001435-005AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65916**
Prep Date: **1/14/2020** Analysis Date: **1/20/2020** SeqNo: **2263556** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	28	5.1	25.60	4.481	92.7	75	125			
Barium	260	0.20	25.60	319.2	-244	75	125			S
Selenium	32	5.1	25.60	0	127	75	125			S

Sample ID: **2001435-005AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65916**
Prep Date: **1/14/2020** Analysis Date: **1/20/2020** SeqNo: **2263557** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	29	5.0	25.06	4.481	97.5	75	125	2.42	20	
Barium	300	0.20	25.06	319.2	-66.5	75	125	16.4	20	S
Selenium	32	5.0	25.06	0	129	75	125	0.410	20	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

WO#: **2001435**

Hall Environmental Analysis Laboratory, Inc.

28-Jan-20

Client: Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

Sample ID: **2001435-005AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**

Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65974**

Prep Date: **1/14/2020** Analysis Date: **1/22/2020** SeqNo: **2266114** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	10	5.1	25.60	0	39.8	75	125			S

Sample ID: **2001435-005AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**

Client ID: **20200108C1VZ CO** Batch ID: **49793** RunNo: **65974**

Prep Date: **1/14/2020** Analysis Date: **1/22/2020** SeqNo: **2266115** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	10	5.0	25.06	0	40.7	75	125	0.133	20	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENVIRONMENTAL PLUS** Work Order Number: **2001435** RcptNo: **1**

Received By: **Daniel Marquez** **1/11/2020 9:35:00 AM**

Completed By: **Leah Baca** **1/13/2020 8:30:55 AM** Leah S Baca

Reviewed By: 1/13/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 1/13/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good				
2	3.3	Good				

Chain-of-Custody Record

Client: EPI Landfarm

Mailing Address:

Phone #: 575, 631, 1667

email or Fax#: mccasland_67@msn.com

QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☑ Standard ☐ Rush 10 day

Project Name: EPI Vadose Zone Monitoring

Project #:

Project Manager: PAT MCCASLAND

Sampler: Pat McCasland

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 2.5 + 0 = 2.5 (°C) 3.3 + 0 = 3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

1086

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001435	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals See Below	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1-8-20	9:10	Soil	20200108C1VZSW	1-4oz	ICE	-001	X	X					X			
	9:18		20200108C1VZSE			-002	X	X					X			
	9:24		20200108C1VZNE			-003	X	X					X			
	9:31		20200108C1VZNW			-004	X	X					X			
	9:31		20200108C1VZComp			-005						X				
	9:39		20200108C2VZSW			-006	X	X					X			
	9:48		20200108C2VZSE			-007	X	X					X			
	9:54		20200108C2VZNE			-008	X	X					X			
	10:10		20200108C2VZNW			-009	X	X					X			
	10:10		20200108C2VZComp			-010						X				
	11:27		20200108C3VZS			-011	X	X					X			
	11:35		20200108C3VZN			-012	X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
1/10/20	12:41	Pat McCasland	[signature]		1/10/2020	1244
1/10/20	1900	[signature]	[signature]	COO	1/11/20	9:35

Remarks: Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn
EPA-6010B or 6020

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EPI Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: mccasland_67@msn.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 10 day
☑ Standard ☐ Rush

Project Name: EPI Vadose Zone Monitoring

Project #:

Project Manager: Pat McCasland

Sampler: PM

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 2.5+0=2.5 (°C) 3.3+0=3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com 2086

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001435	(BTEX) MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals See Below	(Cl) F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1.8.20	11:35	Soil	20200108C3VZComp	1-4oz	ICE	-013						X				
	11:49		20200108C4VZ SE			-014	X	X					X			
	11:54		20200108C4VZ SW			-015	X	X					X			
	2:47		20200108C4VZ NW			-016	X	X					X			
	2:40		20200108C4VZ NE			-017	X	X					X			
	2:40		20200108C4VZComp			-018						X				
	12:07		20200108C5VZ NW			-019	X	X					X			
	12:14		20200108C5VZ SE			-020	X	X					X			
	12:22		20200108C5VZ N			-021	X	X					X			
	12:30		20200108C5VZ E			-022	X	X					X			
	12:30		20200108C5VZComp			-023						X				
	3:00		20200108C6VZ SE			-024	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1.10.20	12:44	Pat McCasland	[signature]		1-10-2020	1244
1/10/20	1910	[signature]	[signature]	CDO	1/11/20	9:35

Remarks: Metals
Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn.
EPA 6010B or 6020

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EPI Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: McCasLand_67@msn.com

QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 10 day ☑ Standard ☐ Rush

Project Name: EPI Vadose Zone Monitoring

Project #:

Project Manager: Pat McCASLAND

Sampler: PM

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 2.5+0=2.5 (°C) 3.3+0=3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

3086

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001435	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals See Below	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1.8.20	4:02	Soil	20200108C6VZSW	1-4oz	ICE	-025	X	X					X			
	4:10		20200108C6VZNW			-026	X	X					X			
	4:17		20200108C6VZNE			-027	X	X					X			
	4:17		20200108C6VZComp			-028						X				
	4:24		20200108C7VZSS			-029	X	X					X			
	4:28		20200108C7VZSE			-030	X	X					X			
	4:31		20200108C7VZNE			-031	X	X					X			
	4:36		20200108C7VZNW			-032	X	X					X			
	4:39		20200108C7VZSW			-033	X	X					X			
	4:39		20200108C7VZComp			-034						X				
	4:47		20200108C8VZSW			-035	X	X					X			
	4:52		20200108C8VZNW			-036	X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
1-10-20	12:44	[signature]	[signature]		1-10-2020	1244
1/10/20	1900	[signature]	[signature]	COO	1/11/20	9:35

Remarks: Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn. EPA Method 6010B or 6020

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EPI Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: Mccasland_67@msn.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush 10 day

Project Name: EPI Vadose Zone Monitoring

Project #:

Project Manager: Pat McCasland

Sampler: PM

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 2.5+0=2.5 (°C)

3370-3.3

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Tel. 505-345-3975 Fax 505-345-4107

4 of 6
3 of 5

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001435	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals See Below!	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/8/20	4:55	Soil	20200108C8VZNE	1-4oz	ICE	-037	X	X					X			
1/9/20	9:05		20200109C8VZSE			-038	X	X					X			
1/9/20	9:05		20200109C8VZComp			-039						X				
	9:14		20200109C9VZS			-040	X	X					X			
	9:19		20200109C9VZN			-041	X	X					X			
	9:19		20200109C9VZComp			-042						X				
	9:32		20200109C10VZNW			-043	X	X					X			
	9:39		20200109C10VZNE			-044	X	X					X			
	9:44		20200109C10VZSE			-045	X	X					X			
	9:50		20200109C10VZSW			-046	X	X					X			
	9:50		20200109C10VZComp			-047						X				
	10:02		20200109C11VZNW			-048	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1-10-20	13:44	Pat McCasland	Chelsey Green		1-10-2020	1244
1/10/20	1900		COD		1/11/20	9:35

Remarks: Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn.
EPA Method 6010B or 6020

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EPT Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: mccasland_67@msn.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 10 days
☑ Standard ☐ Rush

Project Name: EPT Vadose Zone Monitoring

Project #:

Project Manager: Pat McCasland

Sampler: PM

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 2.5 +0 = 2.5 °C
3.3 +0 = 3.3 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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Tel. 505-345-3975 Fax 505-345-4107

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4 of 5

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001435	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals See Below	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1.9.20	10:07	Soil	20200109C11VZSW	1-4oz	ICE	-049	X	X					X			
	10:11		20200109C11VZSE			-050	X	X					X			
	10:16		20200109C11VZNE			-051	X	X					X			
	10:16		20200109C11VZCOMP			-052						X				
	10:26		20200109C12VZE			-053	X	X					X			
	10:30		20200109C12VZME			-054	X	X					X			
	10:36		20200109C12VZMW			-055	X	X					X			
	10:41		20200109C12VZW			-056	X	X					X			
	10:41		20200109C12VZComp			-057						X				
	10:47		20200109C13VZC			-058	X	X					X			
	10:55		20200109C14VZC			-059	X	X					X			
	10:59		20200109C15VZC			-060	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1.10.20	12:44				1-10-2020	1244
1/10/20	1900				1/11/20	9:35

Remarks: Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn.
EPA Method 6010B or 6020

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EPT Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: mccasland_67@msn.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush 10 day

Project Name: EPT Vadose Zone Monitoring

Project #:

Project Manager: Pat McCasland

Sampler: PM

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 2.5+0=2.5°C 3.3+0=3.3

HEAL No. 2601435

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals Sb Be	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1-9-20	11:59	Soil	20200109C131415COMP	1-4oz	ICE	-061						X				

Date:	Time:	Relinquished by:	Received by:	Via:	Date Time	Remarks:
1-10-20	12:44				1-10-2020 1244	Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Tl, Hg, Se, Ag, Cu, Fe, Mn, Zn.
1/10/20	1900			Courier	1/11/20 9:35	EPA Method 6010B or 6020

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

November 03, 2020

Pat McCasland
Environmental Plus, Inc
PO Box 1558
Eunice, NM 88231
TEL: (575) 631-1667
FAX:

RE: EPI Background Samples OrderNo.: 2010424

Dear Pat McCasland:

Hall Environmental Analysis Laboratory received 8 sample(s) on 10/8/2020 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued October 19, 2020.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-001 **Matrix:** SOIL

Client Sample ID: 20201007BGES
Collection Date: 10/7/2020 10:57:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	10	9.3		mg/Kg	1	10/12/2020 11:22:06 AM
Motor Oil Range Organics (MRO)	83	46		mg/Kg	1	10/12/2020 11:22:06 AM
Surr: DNOP	97.5	30.4-154		%Rec	1	10/12/2020 11:22:06 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 12:48:52 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	10/11/2020 6:35:31 AM
Toluene	ND	0.050		mg/Kg	1	10/11/2020 6:35:31 AM
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2020 6:35:31 AM
Xylenes, Total	ND	0.10		mg/Kg	1	10/11/2020 6:35:31 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	10/11/2020 6:35:31 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/11/2020 6:35:31 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/11/2020 6:35:31 AM
Surr: Toluene-d8	94.3	70-130		%Rec	1	10/11/2020 6:35:31 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2020 6:35:31 AM
Surr: BFB	94.5	70-130		%Rec	1	10/11/2020 6:35:31 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-002 **Matrix:** SOIL

Client Sample ID: 20201007BGEN
Collection Date: 10/7/2020 11:05:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	28	8.9		mg/Kg	1	10/15/2020 1:13:21 PM
Motor Oil Range Organics (MRO)	200	44		mg/Kg	1	10/15/2020 1:13:21 PM
Surr: DNOP	95.0	30.4-154		%Rec	1	10/15/2020 1:13:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 1:01:17 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	10/11/2020 7:04:48 AM
Toluene	ND	0.049		mg/Kg	1	10/11/2020 7:04:48 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2020 7:04:48 AM
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2020 7:04:48 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	10/11/2020 7:04:48 AM
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	10/11/2020 7:04:48 AM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	10/11/2020 7:04:48 AM
Surr: Toluene-d8	98.4	70-130		%Rec	1	10/11/2020 7:04:48 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2020 7:04:48 AM
Surr: BFB	99.5	70-130		%Rec	1	10/11/2020 7:04:48 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-003 **Matrix:** SOIL

Client Sample ID: 20201007BGNE
Collection Date: 10/7/2020 11:09:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/10/2020 3:59:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/10/2020 3:59:55 PM
Surr: DNOP	89.2	30.4-154		%Rec	1	10/10/2020 3:59:55 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 1:13:42 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	10/11/2020 7:34:41 AM
Toluene	ND	0.049		mg/Kg	1	10/11/2020 7:34:41 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2020 7:34:41 AM
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2020 7:34:41 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	10/11/2020 7:34:41 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/11/2020 7:34:41 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/11/2020 7:34:41 AM
Surr: Toluene-d8	96.6	70-130		%Rec	1	10/11/2020 7:34:41 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2020 7:34:41 AM
Surr: BFB	97.2	70-130		%Rec	1	10/11/2020 7:34:41 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-004 **Matrix:** SOIL

Client Sample ID: 20201007BGNW
Collection Date: 10/7/2020 11:16:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/10/2020 4:09:50 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/10/2020 4:09:50 PM
Surr: DNOP	94.7	30.4-154		%Rec	1	10/10/2020 4:09:50 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 1:26:06 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	10/11/2020 8:06:01 AM
Toluene	ND	0.047		mg/Kg	1	10/11/2020 8:06:01 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2020 8:06:01 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2020 8:06:01 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	10/11/2020 8:06:01 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/11/2020 8:06:01 AM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	10/11/2020 8:06:01 AM
Surr: Toluene-d8	92.1	70-130		%Rec	1	10/11/2020 8:06:01 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2020 8:06:01 AM
Surr: BFB	97.4	70-130		%Rec	1	10/11/2020 8:06:01 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-005 **Matrix:** SOIL

Client Sample ID: 20201007BGWN
Collection Date: 10/7/2020 11:35:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/10/2020 4:19:51 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/10/2020 4:19:51 PM
Surr: DNOP	103	30.4-154		%Rec	1	10/10/2020 4:19:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 1:38:31 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	10/11/2020 8:35:46 AM
Toluene	ND	0.048		mg/Kg	1	10/11/2020 8:35:46 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2020 8:35:46 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/11/2020 8:35:46 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	10/11/2020 8:35:46 AM
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	10/11/2020 8:35:46 AM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	10/11/2020 8:35:46 AM
Surr: Toluene-d8	95.0	70-130		%Rec	1	10/11/2020 8:35:46 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2020 8:35:46 AM
Surr: BFB	95.7	70-130		%Rec	1	10/11/2020 8:35:46 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-006 **Matrix:** SOIL

Client Sample ID: 20201007BGWS
Collection Date: 10/7/2020 11:40:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/10/2020 4:29:46 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/10/2020 4:29:46 PM
Surr: DNOP	60.6	30.4-154		%Rec	1	10/10/2020 4:29:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 1:50:56 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	10/11/2020 9:05:42 AM
Toluene	ND	0.048		mg/Kg	1	10/11/2020 9:05:42 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2020 9:05:42 AM
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2020 9:05:42 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	10/11/2020 9:05:42 AM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/11/2020 9:05:42 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/11/2020 9:05:42 AM
Surr: Toluene-d8	97.3	70-130		%Rec	1	10/11/2020 9:05:42 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2020 9:05:42 AM
Surr: BFB	96.6	70-130		%Rec	1	10/11/2020 9:05:42 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-007 **Matrix:** SOIL

Client Sample ID: 20201007BGSW
Collection Date: 10/7/2020 11:50:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/10/2020 4:39:40 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/10/2020 4:39:40 PM
Surr: DNOP	99.4	30.4-154		%Rec	1	10/10/2020 4:39:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 2:03:21 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	10/11/2020 9:35:46 AM
Toluene	ND	0.048		mg/Kg	1	10/11/2020 9:35:46 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2020 9:35:46 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/11/2020 9:35:46 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	10/11/2020 9:35:46 AM
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	10/11/2020 9:35:46 AM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	10/11/2020 9:35:46 AM
Surr: Toluene-d8	96.9	70-130		%Rec	1	10/11/2020 9:35:46 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2020 9:35:46 AM
Surr: BFB	95.1	70-130		%Rec	1	10/11/2020 9:35:46 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2010424**
Date Reported: **11/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc
Project: EPI Background Samples
Lab ID: 2010424-008 **Matrix:** SOIL

Client Sample ID: 20201007BGSE
Collection Date: 10/7/2020 11:55:00 AM
Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/10/2020 4:49:41 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/10/2020 4:49:41 PM
Surr: DNOP	96.2	30.4-154		%Rec	1	10/10/2020 4:49:41 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	3.0		mg/Kg	1	10/23/2020 2:15:45 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	10/11/2020 10:05:44 AM
Toluene	ND	0.047		mg/Kg	1	10/11/2020 10:05:44 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2020 10:05:44 AM
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2020 10:05:44 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	10/11/2020 10:05:44 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/11/2020 10:05:44 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/11/2020 10:05:44 AM
Surr: Toluene-d8	95.2	70-130		%Rec	1	10/11/2020 10:05:44 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2020 10:05:44 AM
Surr: BFB	96.5	70-130		%Rec	1	10/11/2020 10:05:44 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2010424**

03-Nov-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **MB-55803**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **55803**	RunNo: **72636**							
Prep Date: **10/13/2020**	Analysis Date: **10/13/2020**	SeqNo: **2550833**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-55803**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **55803**	RunNo: **72636**							
Prep Date: **10/13/2020**	Analysis Date: **10/13/2020**	SeqNo: **2550834**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2010424**

03-Nov-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **LCS-55740**	SampType: **LCS**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **55740**			RunNo: **72563**					
Prep Date: **10/9/2020**	Analysis Date: **10/10/2020**			SeqNo: **2547623**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.8	70	130			
Surr: DNOP	4.3		5.000		85.7	30.4	154			

Sample ID: **MB-55740**	SampType: **MBLK**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **55740**			RunNo: **72563**					
Prep Date: **10/9/2020**	Analysis Date: **10/10/2020**			SeqNo: **2547624**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.9	30.4	154			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2010424**

03-Nov-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **mb-55733**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **55733**	RunNo: **72553**
Prep Date: **10/8/2020**	Analysis Date: **10/9/2020**	SeqNo: **2547128** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.47		0.5000		93.6	70	130			

Sample ID: **lcs-55733**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **55733**	RunNo: **72553**
Prep Date: **10/8/2020**	Analysis Date: **10/9/2020**	SeqNo: **2547129** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		107	70	130			
Surr: Toluene-d8	0.48		0.5000		96.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2010424**

03-Nov-20

Client: Environmental Plus, Inc

Project: EPI Background Samples

Sample ID: **mb-55733**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **55733**	RunNo: **72553**
Prep Date: **10/8/2020**	Analysis Date: **10/9/2020**	SeqNo: **2547154** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		95.8	70	130			

Sample ID: **lcs-55733**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **55733**	RunNo: **72553**
Prep Date: **10/8/2020**	Analysis Date: **10/9/2020**	SeqNo: **2547155** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.2	70	130			
Surr: BFB	470		500.0		94.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Environmental Plus, Inc Work Order Number: 2010424 RcptNo: 1

Received By: **Desiree Dominguez** 10/8/2020 7:45:00 AM DD

Completed By: **Juan Rojas** 10/8/2020 9:02:42 AM

Reviewed By: JR 10/8/20

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2. How was the sample delivered?	Courier			

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: CMC 10/8/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Client: EPI Landfarm

Mailing Address:

Phone #: 575.631.1667

email or Fax#: mccasland_EPI@msn.com

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: EPI Background Samples

Project #:

Project Manager: Pat McCasland

Sampler: Pat McCasland

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.8-0.1=0.7 (°C)

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2010424	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
10-7-20	1057	Soil	20201007BGES	4oz/1	ICE	-001	X	X					X									
	1105		20201007BGEN			-002	X	X					X									
	1109		20201007BGNE			-003	X	X					X									
	1116		20201007BGNW			-004	X	X					X									
	1135		20201007BGWN			-005	X	X					X									
	1140		20201007BGWS			-006	X	X					X									
	1150		20201007BGSW			-007	X	X					X									
	1155		20201007BGSE			-008	X	X					X									

Date	Time	Relinquished by	Received by	Via	Date	Time
10/7/20	1330	Pat McCasland	[signature]		10/7/20	1330
10/7/20	1900	[signature]	[signature]	courier	10/8/20	7:45

Remarks: Report values detected above the practical quantitation limit (PQL). Samples are from non impacted areas

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 484278

CONDITIONS

Operator: ENVIRONMENTAL PLUS INC PO Box 1748 EUNICE, NM 88231	OGRID: 195265
	Action Number: 484278
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
joseph.kennedy	This is an upload of an application for a Minor Modification for NM1-13 that OCD has rejected as deficient. NOT an APPROVAL	7/11/2025