# **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
То:	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 505.549.5583 | joseph.kennedy@emnrd.nm.gov

## State of New Mexico Energy, Minerals and Natural Resources Department

Michelle Lujan-Grisham Governor

Melanie A. Kenderdine Cabinet Secretary

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#### **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."* 

1220 South St. Francis Drive, 3<sup>rd</sup> Floor • Santa Fe, New Mexico 87505 Phone (505) 476-3441 • <u>www.emnrd.state.nm.us/ocd</u> 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 <u>June 2022 NMED Risk Assessment</u> <u>Guidance for Site Investigations and Remediation, Volume I, Soil Screening</u> <u>Guidance for Human Health Risk Assessments</u>. 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 <u>Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments</u>, 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 <u>did not</u> 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,

Joh Lukz

Joe Kennedy Environmental Scientist Specialist - Advanced

Santa Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/ 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:		inemui i ius Lui	Gruiffi			
Address:	Post Office Box 1558, Eunice, New Mexico 88231					
Contact P	erson: Sherry K. Miller		Phone:		575-390-18	386
2. Location:	/4/4 Section	14	Township	228	Range	37E
3. Provide pe	rmit number NM-1-013					

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

Environmental Plus Inc. DBA Environmental Plus Landfarm

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 runon 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
Signature:	Shang K. Milla
E-mail Address:	Sherry.EPI@gmail.com or mccasland_67@msn.com

Title:	Owner 5
Date:	6-7-2025

# 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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Environmental Plus, Inc. Landfarm Minor Modification and Closure Plan Permit #NM-1-013

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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 <u>19.15.36.19A – Exceptions and Waivers</u>) 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.

<u>Summarize and submit</u> 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 <u>"equivalent protection of fresh water, public health, and the environment"</u> 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.:

 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<sub>6</sub> through C<sub>36</sub>) 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 <sup>1</sup>	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		
proposed is based on a previousl	e level for Lead in Table A-1. The calculated value being y NMOCD approved Dilution Attenuation Factor (DAF) of entrations listed in Table A-3 of the Risk Assessment		

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.

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## 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			
		4 Discrete random samples per Cell for the Vadose Zone	
	Super	Composite Monitoring and Closure Samples	Combined
Cell	Cell ID	(Sampling Interval 3-4 'bgs)	Acres
1	1	4	5.7
2		1	
3	2-4	2	5.9
4		2	
5	5	4	4.9
6	6	4	5.8
7	7-8	2	FG
8	7-8	2	- 5.6
9	0.10	2	47
10	9-10	2	4.7

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

<u>Perimeter Berms</u> 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.

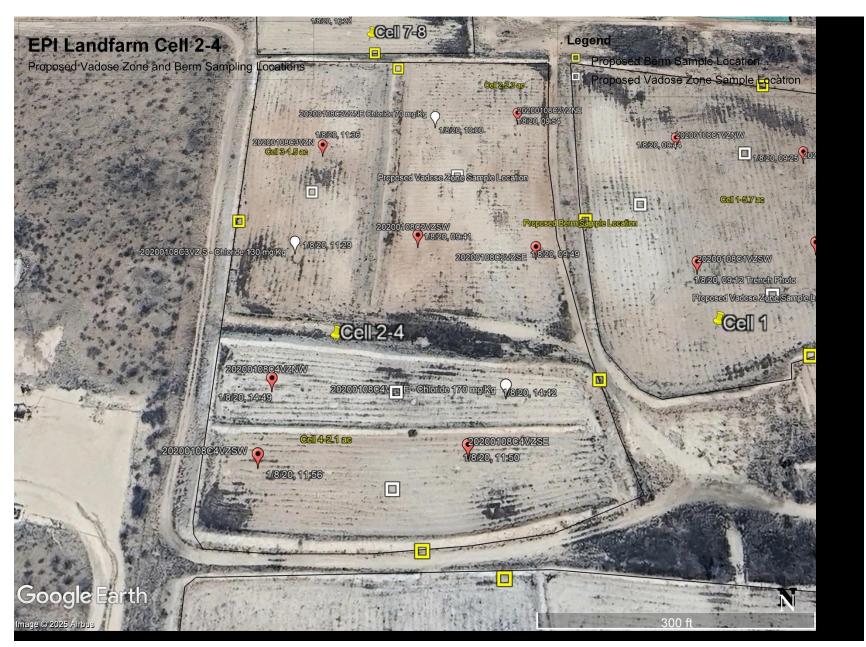
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## ATTACHMENT 1 – SAMPLE LOCATIONS MAPS

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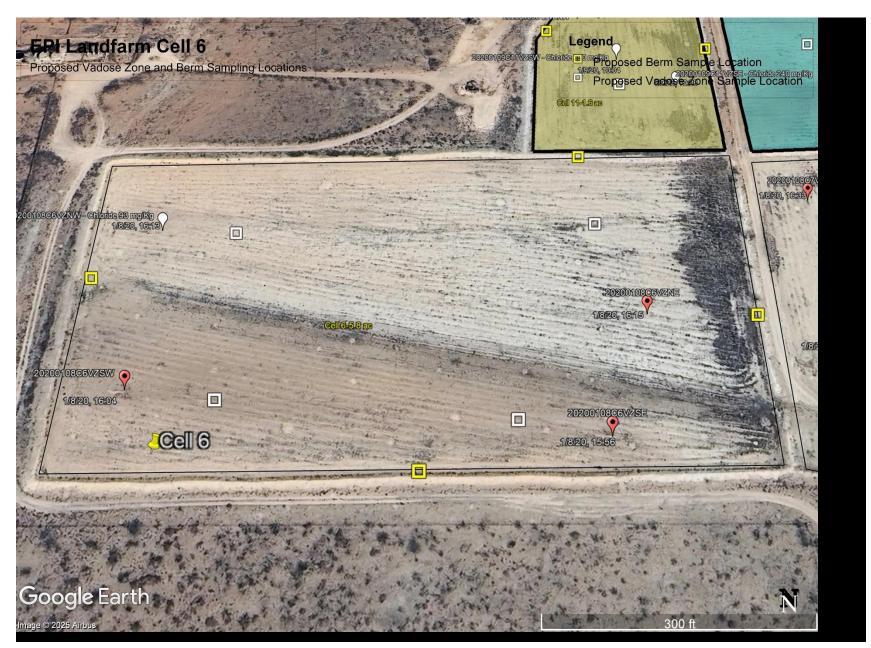




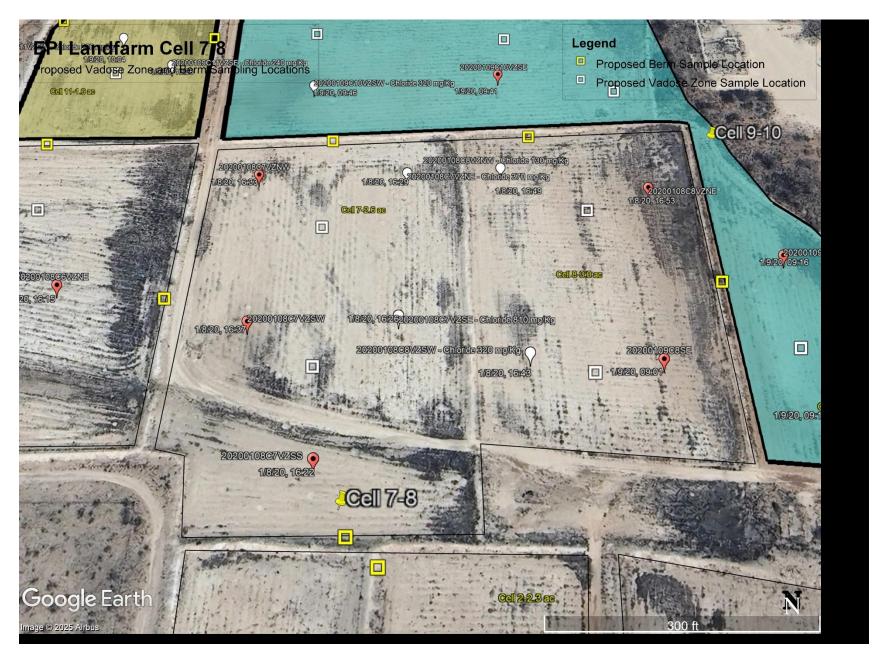
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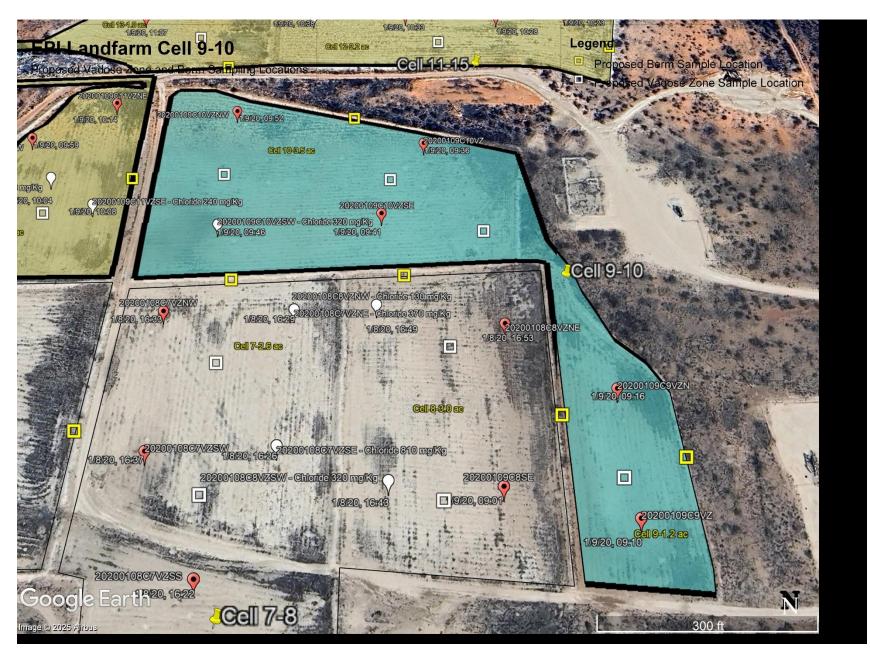
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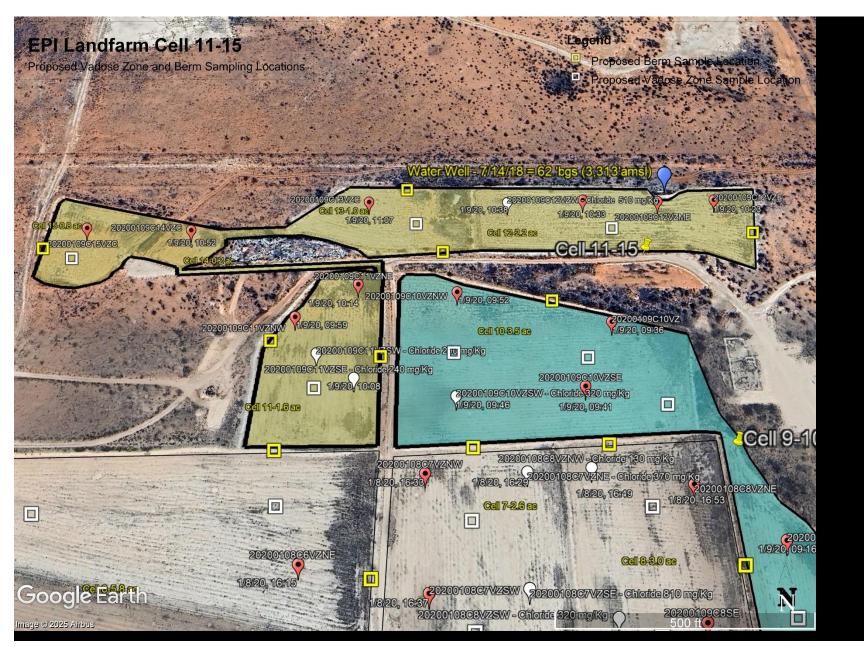
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## ATTACHMENT 2 – MAPS & FIGURES



Figure 1 – EPI Landfarm Map



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

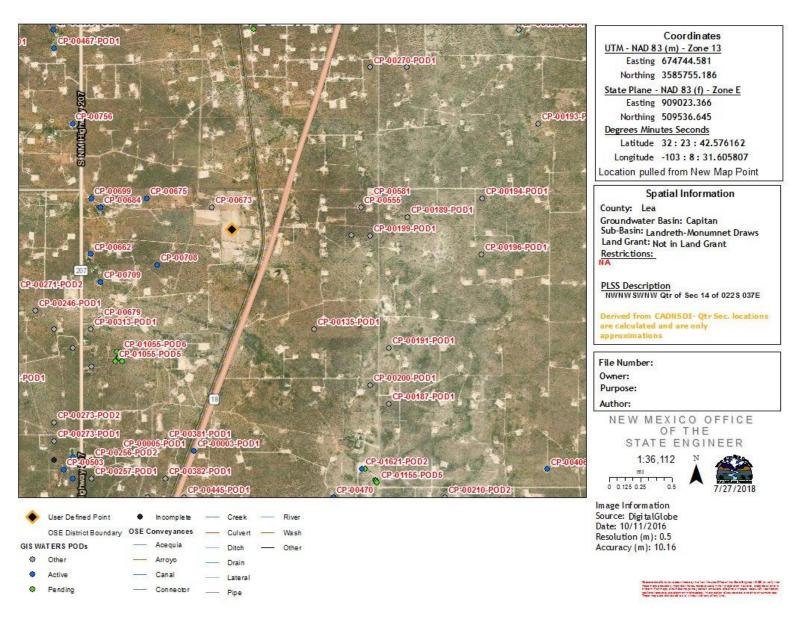


Figure 2 – Area Water Wells

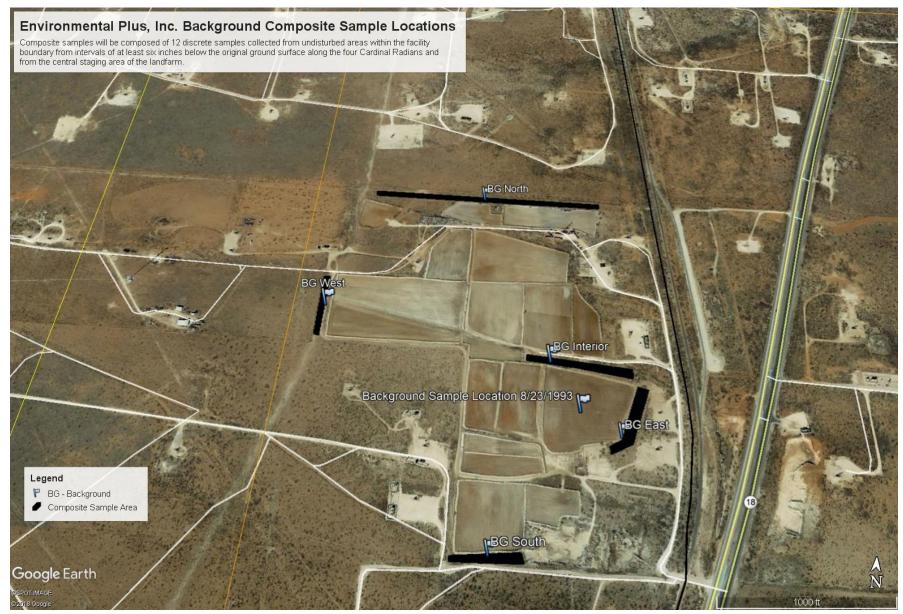


Figure 3 – Background Composite Sample Areas

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## **ATTACHMENT 3 - TABLES**

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Environmental Plus, Inc. Landfarm Minor Modification and Closure Plan Permit #NM-1-013

#### Table 1 – Ground Water Information

							Er	nviroi	nmental	Plus Lar	ndfarm	ו				
							Loc	al G	round W	/ater Info	ormatio	on				
POD <sup>1</sup> Number	Data Source	Date	q64	q16	q4	Sec	Tws	Rng	х	Y	Depth Well	Depth Water	Water Column	Surface Elevation <sup>5</sup>	Calculated Ground Water Elevation	Estimated distance from ground surface to ground water interface
											'bgs <sup>3</sup>	'bgs	feet	'amsl <sup>4</sup>	'amsl	feet
CP 00708																
CP 00684	P 00684 NMOSE [1 1 15 22S 37E 673316 3585967 200 180 20 3403 3223 180															
CP 00662	P 00662 NMOSE 3 3 1 15 22S 37E 673223 3585464 180 150 30 3414 3264 150															
CP 00581	P 00662         NMOSE         3         3         1         15         22S         37E         673223         3585464         180         150         30         3414         3264         150           P 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				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				3585967	100	75	25	3403	3328	75
CP 00195 POD1	NMOSE	NA	4	1	1	12				3587532	70	NA	NA	NA	NA	NA
CP 00199 POD1	NMOSE	NA	2	4	2	14				3585714	75	NA	NA	NA	NA	NA
CP 00313 POD1	NMOSE	NA	3	3	3	15		37E		3584659	100	NA	NA	NA	NA	NA
CP 00675	NMOSE	NA	2	2	1	15				3586073	100	NA	NA	NA	NA	NA
CP 00673	NMOSE	NA		2	2	15	22S	37E	674522	3585989	NA	NA	NA	NA	NA	NA
<sup>1</sup> POD - Point of Diversion	on															
<sup>2</sup> NMOSE - New Mexico	Office of the	State Enginee	r													
<sup>3</sup> 'bgs - Feet below grour	nd surface															
<sup>4</sup> 'amsl - Feet above mea	amsi - Feet above mean sea level															
<sup>5</sup> Surface Elevation - Ob	Surface Elevation - Obtained from Google Earth															

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

		(Risk	Assessment (		IMED Soil Screen estigations and R	-	Volume I June	e 2022)			
		Residential Soil,	Industrial/ Occupational	Industrial/ Occupational	Construction	Construction Worker Soil,		Tap Water,	0 515 00		
	Residential Soil,	Noncancer		Soil, Noncancer	Worker Soil,	Noncancer	Tap Water,	Noncancer	Cw, DAF 20		
Chemical	Cancer (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Cancer (mg/kg)		Cancer (µg/L)		(mg/kg)	(mg/kg)	(mg/kg)
Antimony		3.13E+01		5.19E+02		1.42E+02		7.26E+00			
Arsenic	7.07E+00		3.59E+01	2.08E+02	2.16E+02		8.55E-01	3.55E+00			
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.

Environmental Plus, Inc. Landfarm Minor Modification and Closure Plan Permit #NM-1-013

# ATTACHMENT 3 - ANALYTICAL RESULTS SUMMARY

					Env	vironmental				Ionitoring							
				1	r	Г	Organic An	alytical R	esults	1	1	1	1	1	1	1	
	Sample			GRO (8015M) C <sub>6</sub> -C <sub>10</sub>	DRO (8015M) >C <sub>10</sub> -C <sub>28</sub>	GRO+DRO C <sub>6</sub> -C <sub>28</sub>	EXT DRO (8015M) >C <sub>28</sub> -C <sub>36</sub>	TPH (418.1) C <sub>6</sub> -C <sub>36</sub>	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
		, .,										P with					
3		11/11/03	2	<0.25	<25.0	<25.0	na	na	<0.005	<0.005	<0.005	М	<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

					Env	/ironmental				Ionitoring							
							Organic An	alytical R	esults								
	Sample			GRO (8015M) C <sub>6</sub> -C <sub>10</sub>	DRO (8015M) >C <sub>10</sub> -C <sub>28</sub>	GRO+DRO C6-C28	EXT DRO (8015M) >C <sub>28</sub> -C <sub>36</sub>	TPH (418.1) C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Ethyl Benzene	Para- Xylene	Meta- Xylene	Ortho- Xylene	Total Xylenes	Total BTEX	МТВЕ
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

					Env	vironmental	Plus Landfa	arm - Vad	ose Zone N	Ionitoring							
							Organic An	alytical R	esults								
	Sample		1	GRO (8015M) C <sub>6</sub> -C <sub>10</sub>	DRO (8015M) >C <sub>10</sub> -C <sub>28</sub>	GRO+DRO C <sub>6</sub> -C <sub>28</sub>	EXT DRO (8015M) >C <sub>28</sub> -C <sub>36</sub>	TPH (418.1) C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Ethyl Benzene	Para- Xylene	Meta- Xylene	Ortho- Xylene	Total Xylenes	Total BTEX	MTBE
Cell	ID# 20200108C5VZ	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	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

					Env	vironmental	Plus Landfa	arm - Vad	ose Zone N	Ionitoring							
							Organic An	alytical R	esults								
	Sample			GRO (8015M) C <sub>6</sub> -C <sub>10</sub>	DRO (8015M) >C <sub>10</sub> -C <sub>28</sub>	GRO+DRO C <sub>6</sub> -C <sub>28</sub>	EXT DRO (8015M) >C <sub>28</sub> -C <sub>36</sub>	TPH (418.1) C <sub>6</sub> -C <sub>36</sub>	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) P with	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	М	<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 8	 20200108C8VZ SW	5/25/05 1/8/20	2 3-4	<10.0 <4.8	<10.0 <10.0	<10.0 <10.0	na <50	na <50	<.002 <0.024	<.002 <0.048	<.002 <0.048	na 	na 	na 	<.006 <0.096	<.002 <0.216	<.002
8	20200108C8VZ 3W	1/8/20	3-4	<4.8	<9.2	<9.2	<30 <46	<46	<0.024	<0.048	<0.048				< 0.096	<0.216	na na
8	20200108C8VZ NK	1/8/20	3-4	<4.7	<9.6	<9.6	<48	<48	<0.024	<0.043	<0.048				<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

					Env	vironmental	Plus Landfa	arm - Vad	ose Zone N	Ionitoring							
							Organic An	alytical R	esults								
	Sample			GRO (8015M) C <sub>6</sub> -C <sub>10</sub>	DRO (8015M) >C <sub>10</sub> -C <sub>28</sub>	GRO+DRO C <sub>6</sub> -C <sub>28</sub>	EXT DRO (8015M) >C <sub>28</sub> -C <sub>36</sub>	TPH (418.1) C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Ethyl Benzene	Para- Xylene	Meta- Xylene	Ortho- Xylene	Total Xylenes	Total BTEX	MTBE
Cell 10	ID# 20200109C10VZ SW	Date 1/9/20	Int. ''bgs 3-4	mg/Kg (ppm) <4.8	mg/Kg (ppm) <9.9	mg/Kg (ppm) <9.9	mg/Kg (ppm) <50	mg/Kg (ppm) <50	mg/Kg (ppm) <0.024	mg/Kg (ppm) <0.048	mg/Kg (ppm) <0.048	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm) <0.095	mg/Kg (ppm) <0.215	mg/Kg (ppm) 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 20200109C11VZ COMP	1/9/20 1/9/20	3-4 3-4	<4.8 na	<9.7 na	<9.7 na	<49 na	<49 na	<0.024 na	<0.048 na	<0.048 na	 na	 na	 na	<0.096 na	<0.216 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

					Env	vironmental	Plus Landfa	arm - Vad	ose Zone N	Ionitoring							
							Organic An	alytical R	esults								
				GRO	DRO		EXT DRO	ТРН									
				(8015M)	(8015M)	GRO+DRO	(8015M)	(418.1)			Ethyl	Para-	Meta-	Ortho-	Total	Total	
	Sample		1	C <sub>6</sub> -C <sub>10</sub>	>C <sub>10</sub> -C <sub>28</sub>	C <sub>6</sub> -C <sub>28</sub>	>C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Benzene	Xylene	Xylene	Xylene	Xylenes	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
<sup>1</sup> Reg	ulatory Thresholds					1000		2500	10							50	
	not analyzed s listed in Table 1 of 19.1	•		/ ground su et-100 feet		·	<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>		<u>.</u>	<u>.</u>	<u>.</u>	

						Env	vironmen	tal Plus La	ndfarm - '	Vadose Zor	ne Monit	oring							
								Inorgan	ic Analyti	cal Results									
	Sample			Chloride (Cl <sup>-</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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

						Env	vironmer	ital Plus La	andfarm - '	Vadose Zor	ne Monit	oring							
								Inorgan	ic Analyti	al Results	-								
	Sample			Chloride (Cl <sup>-</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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

						Env	vironmer			Vadose Zor	ne Monit	oring							
								Inorgan	ic Analyti	cal Results	1			1		· · · · · · · · · · · · · · · · · · ·		1	
	Sample			Chloride (Cl <sup>.</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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

						Env	vironmen			Vadose Zor	e Monit	oring							
								Inorgan	ic Analytic	al Results						1 1			
	Sample			Chloride (Cl <sup>-</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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
	20200108C8VZ																		
8	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

						Env	vironmen	ital Plus La	andfarm - '	Vadose Zor	ne Monito	oring							
				1				Inorgar	ic Analyti	al Results	1		1	1				1	
	Sample			Chloride (Cl <sup>.</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (Fe) (6010B)	Lead (Pb) (6010B)	Manganese (Mn) (6010B)	Total Mercury (Hg) (6010B)	Selenium (Se) (6010B)	Thallium (TI) (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
	20200108C12VZ	04/02/26	2.4				440		.0.00	<b>C</b> A	2.4	6000	.0.40	40	.0.022		.2.00	0.70	12
12	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

						Env	vironmen			Vadose Zor cal Results	ne Monit	oring							
	Sample			Chloride (Cl <sup>.</sup> ) (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
<sup>1</sup> Reg	ulatory Thresholds			10000	1.42	7.07	4390	148	70.5	96.6	3130	54800	29.7	464	20.7	391	78.2	391	23500
<sup>1</sup> Mos	not analyzed t conservative exposure ance for Human Health	e limits in Ta	ble A-1		Screening	-	-					Guidance	for Site I	nvestigation	s and Rem	ediation, V	/olume I, Soi	l Screenir	lg

				E	nvironmer	ntal Plus Land	lfarm - Tre	atment Zo	one Monito	oring						
						Organio	Analytica	Results		-						
				GRO (8015M)	DRO (8015M)	GRO+DRO	EXT MRO (8015M)	ТРН			Ethyl	Para-	Meta-	Ortho-	Total	Total
	Sample	1	r	C <sub>6</sub> -C <sub>10</sub>	>C <sub>10</sub> -C <sub>28</sub>	C <sub>6</sub> -C <sub>28</sub>	>C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Benzene	Xylene	Xylene	Xylene	Xylenes	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

				E	nvironmer	ital Plus Land	dfarm - Trea	atment Z	one Monito	oring						
						Organio	c Analytical	Results								
				GRO (8015M)	DRO (8015M)	GRO+DRO	EXT MRO (8015M)	ТРН			Ethyl	Para-	Meta-	Ortho-	Total	Total
	Sample			C <sub>6</sub> -C <sub>10</sub>	>C <sub>10</sub> -C <sub>28</sub>	C <sub>6</sub> -C <sub>28</sub>	>C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Benzene	Xylene	Xylene	Xylene	Xylenes	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

				E	nvironmen	tal Plus Land	lfarm - Trea	atment Z	one Monito	oring						
						Organio	: Analytical	Results								
							EXT									
				GRO	DRO		MRO									
				(8015M)	(8015M)	GRO+DRO	(8015M)	TPH			Ethyl	Para-	Meta-	Ortho-	Total	Total
	Sample		-	C <sub>6</sub> -C <sub>10</sub>	>C <sub>10</sub> -C <sub>28</sub>	C <sub>6</sub> -C <sub>28</sub>	>C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Benzene	Xylene	Xylene	Xylene	Xylenes	BTEX
Cell			Interval	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
#	ID#	Date	'bgs	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(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
<sup>1</sup> Regula	atory Thresholds					1000		2500	10							50
	t analyzed isted in Table 1 of 19.15	'bgs - feet b 5.29.12.E.2 (5	-													

						En	vironme			Treatment		onitoring							
				1	1			Inorg	anic Analy	tical Result	ts					[			
	Sample		1	Chloride (Cl <sup>-</sup> ) (SM4500Cl- B <b>)</b>	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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

						En	vironme			Treatment		onitoring	1						
			T		1			Inorg	ganic Analy	tical Result	ts			1	1	r	1		
	Sample			Chloride (Cl <sup>-</sup> ) (SM4500Cl- B <b>)</b>	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Beryllium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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

						En	vironme			Treatment tical Result		onitoring							
Cell	Sample ID#	Date	Int.	Chloride (Cl <sup>-</sup> ) (SM4500Cl- B) mg/Kg (ppm)	Antimony (An) 6010B mg/Kg (ppm)	Arsenic (As) (6010B) mg/Kg (ppm)	Barium (Ba) (6010B) mg/Kg (ppm)	Beryllium (Be) (6010B) mg/Kg (ppm)	Cadmium (Cd) (6010B) mg/Kg (ppm)	Chromium (Cr) (6010B) mg/Kg (ppm)	Copper (Cu) (6010B) mg/Kg (ppm)	Iron (Fe) (6010B) mg/Kg (ppm)	Lead (Pb) (6010B) mg/Kg (ppm)	Manganese (Mn) (6010B) mg/Kg (ppm)	Total Mercury (Hg) (6010B) mg/Kg (ppm)	Selenium (Se) (6010B) mg/Kg (ppm)	Thallium (TI) (6010B) mg/Kg (ppm)	Silver (Ag) (6010B) mg/Kg (ppm)	Zinc (Zn) (6010B) mg/Kg (ppm)
<sup>1</sup> Reg	ulatory Thresholds			10000	1.42	7.07	4390	148	70.5	96.6	3130	54800	29.7	464	20.7	391	78.2	391	23500
<sup>1</sup> Mo	not analyzed st conservative expo ening Guidance for H	sure limits	s in Ta	-	1ED Soil Sc	reening L	•	•						or Site Inves	stigations	and Reme	diation, V	olume I, So	bil

				Enviro	nmental Pl	us Landfarm	- Vadose Z	one Back	ground Mo	nitoring Re	esults						
						Orga	anic Analyt	ical Resul	ts								
							EXT										
				GRO	DRO		DRO	TPH									
				(8015M)	(8015M)	GRO+DRO	(8015M)	(418.1)	_	<b>-</b> 1	Ethyl	Para-	Meta-	Ortho-	Total	Total	
	Sample			C <sub>6</sub> -C <sub>10</sub>	>C <sub>10</sub> -C <sub>28</sub>	C <sub>6</sub> -C <sub>28</sub>	>C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Benzene	Xylene	Xylene	Xylene	Xylenes	BTEX	MTBE
			Interval	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Location	ID#	Date	bgs	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(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

				Enviro	nmental Pl	us Landfarm	- Vadose Z	one Back	ground Mo	nitoring Re	esults						
						Orga	anic Analyt	ical Resul	ts								
	Sample			GRO (8015M) C <sub>6</sub> -C <sub>10</sub>	DRO (8015M) >C <sub>10</sub> -C <sub>28</sub>	GRO+DRO C <sub>6</sub> -C <sub>28</sub>	EXT DRO (8015M) >C <sub>28</sub> -C <sub>36</sub>	TPH (418.1) C <sub>6</sub> -C <sub>36</sub>	Benzene	Toluene	Ethyl Benzene	Para- Xylene	Meta- Xylene	Ortho- Xylene	Total Xylenes	Total BTEX	МТВЕ
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
<sup>1</sup> Regulatory T	hresholds					1000		2500	10							50	
na - not analy <sup>1</sup> CoCs listed ir	vzed n Table 1 of 19.15.	bgs - feet belov 29.12.E.2 (51 fe	-														

					Envii	ronmenta	al Plus La	andfarm -	Vadose Zo	one Backgro	ound Mo	nitoring	Reults						
								Inorgan	ic Analyti	cal Results				T				•	
	Sample			Chloride (Cl <sup>-</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Berylium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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 <sup>.</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (TCLP)	Barium (Ba) (TCLP)	Berylium (Be) (6010B)	Cadmium (Cd) (TCLP)	Chromium (Cr) (TCLP)	Copper (Cu) (6010B)	lron (Fe) (6010B)	Lead (Pb) (TCLP)	Manganese (Mn) (6010B)	Mercury (Hg) (TCLP)	Selenium (Se) (TCLP)	Thallium (Tl) (6010B)	Silver (Ag) (TCLP)	Zinc (Zn) (6010B)

					Envi	ronment	al Plus La			one Backgro		nitoring	Reults						
					-	-	-	Inorgar	nic Analyti	cal Results		-	-		-		-		-
	Sample			Chloride (Cl <sup>-</sup> ) (SM4500Cl- B)	Antimony (An) 6010B	Arsenic (As) (6010B)	Barium (Ba) (6010B)	Berylium (Be) (6010B)	Cadmium (Cd) (6010B)	Chromium (Cr) (6010B)	Copper (Cu) (6010B)	lron (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         'bgs         (ppm)         (ppm)															mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)		
Background		8/23/93	1.5'bgs	49	na	-		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
<sup>1</sup> Regulator	y Thresholds			10000	1.42	7.07	4390	148	70.5	96.6	3130	54800	29.7	464	20.7	391	78.2	391	23500
	alyzed ervative exposu or Human Healt	ure limits ir	n Table A		oil Screenin	-						t Guidan	ce for Sit	e Investigati	ons and F	Remediatic	on, Volume I	, Soil Scre	ening

Environmental Plus, Inc. Landfarm Minor Modification and Closure Plan Permit #NM-1-013

#### ATTACHMENT 4 – LABORATORY REPORTS

Received by OCD:	: 7/11/2025 1:45:11 PM	Page 63 of 35
ζ · j·		
,		OIL CONSERVE TON DIVISION
	EDDIE W. SEAY, CEI 601 W. Illinois Hobbs, NM 88240 (505)392-2236	'93 SE" 15 AM 8 38
	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:	
J	Here are the background analysis for EPI land were taken approximately in the center of the depth of about 18 inches. The bond was sent the week of the 6th of September and should b are in the process of constructing the facily	e facility at a in to Santa Fe be on file. We
	permit required, and plan to be finished in a Upon completion of the facility, we will not commencing operation, in case an inspection	a few weeks. ify you before
	If you have any question or need further info	ormation, please
	Sincerely,	
	Eddie to Sear	
	Eddie W. Seay	

Received by OCD: 7/11/2025 1:45:11 PM

	<b>ARDINA</b> LABORATOR				2111 BEECHW	D . HOBBS, N		
Company:	EPI	NAL	ANALY	SIS F Date:				
Address: City, State: Project Name Project Loca Sampled by: Analyzed by: Type of Samp	tion: Sec. 14 & ES HM/MF	15 T22 1 Date: Date:	R37 E Lea 8/23/93 8/30/93 Condition:	Lab#: County Time: 4:0 Time: 9:3	H1332		g/kg, mg/	/i
**************************************		BENZENE	*********** TOLUENE	******* ETHYL BENZENE	********* PARA- XYLENE	META- XYLENE	********* ORTHO-	*******
1 Sample		<0.001	<0.001	<0.001	<0.001	<0.001	XYLENE	MTBE <0.001
QC Recove QC Spike Accuracy Air Blank	405.9 97.7%	1.956 2.026 96.5% <0.001	2.034 2.038 99.8% <0.001	2.084 2.062 101.1% <0.001	2.014 2.021 99.7% <0.001	2.116 2.093 101.1% <0.001	2.204 2.110 104.4% <0.001	1.891 1.713 110.4 <0.001
- EF	TOMATED HEADSPAC DA SW-846; EPA ME	E GC; INI THODS 802	FRARED SPE 20, 418.1,	CTROSCOPY 3540 OR	3510	1/2/93	-	
Michael R. F	owler					ound TPH 2		
							с. ж	

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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

ARDINAL LABORATORIES

> 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 Barium Cadmium Chromium Lead Mercury Selenium Silver	0.007 1.08 <0.005 <0.05 <0.10 0.0004 0.003 0.07	mg/1 mg/1 mg/1 mg/1 mg/1 mg/1

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

Date 9/2/93

Michael R. Fowler

	y OCD: 7/11/2025 1:45:11 PM	10 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Page 66 oj
<b>.</b> .		AL PHONE (915) 673-7001	• 2111 BEECHWOOD • ABILENE, TEXAS 79603
		RIES PHONE (505) 393-2326 •	101 E. MARLAND • HOBBS, NEW MEXICO 88240
		CHEMICAL ANALYSIS OF	SOIL
	Proj.Name:	Box 969, Eunice, NM 88231 14 & 15 T22 R37 E Lea Count le 1	Lab #: H1332 Date : 6/7/93
	PARAMETER	RESULT (mg/k SAMPLE	sg)
		1 1	
	pH	8.48	
	Hardness (CaCO <sub>3</sub> )	538	
	Calcium (CaCO <sub>3</sub> )	342	
	Magnesium (CaCO <sub>3</sub> )	196	
	Nitrate (NO3)	10	
	Sulfate (SO <sub>4</sub> )	61	
	Chloride (Cl)	49	
	Ortho Phosphate (PO4)	71	
	Michael R. Ten Michael R. Fowler	la	9/2/92
	Althael K. FOwler		Date

Received by OCD: 7/11/2025 1:45:11 PM	Page 67 of 356
CIL CONSET . IN ENDON	
94 DE - 713 FIM 8 52	
December 9, 1994	
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. landfa testing requires TPH, BTEX, general ch you have any questions, please call.	arm, Eunice, NM. Annual memistry and metals. If
Sincerely,	
Eddie W Sean	
Eddie W. Seay 601 W. Illinois Hobbs, NM 88240 (505)392-2236	
Released to Imaging: 7/11/2025 1:50:26 PM	7

Received by OCD: 7/11/2025 1:45:11 PM Page 68 of 356 PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603 ARDINAL PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240 LABORATORIES PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401 TCLP ANALYSIS REPORT 12/6/94 H1875 Eddie W. Seay 601 W. Illinois Hobbs, NM 88240 Date: Company: Lab #: Address: City, State: Project Name: Location: Sampled by: Sample Type: EPI Landfarm Eunice, NM 11/22/94 Cool, Intact Date: ES Sample Condition: Soil Sample ID: Cell #1 @ 18" Depth - Annual Sampling TCLP INORGANICS (Leachate) RESULT EPA LIMIT UNITS PARAMETER 5 100 ppm <0.1 Silver <0.01 ppm ppm ppm Arsenic Barium Cadmium <0.1 1 5.2 Chromium <0.1 ppm <0.001 Mercury ppm 5 Lead ppm <0.01 Selenium 1 ppm TCLP INORGANICS (Leachate) - EPA 1311/7000 METHODS: 12/6/94 Date Michael R. Fowler

eceived by OCD: 7/11	/2025 1:45:11 PM		Page 69
		•	
		PHON	E (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
AF	BORATORIE	РНС	DNE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240
LA	BORATORIE	S PHONE (505	5) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401
			YSIS OF WATER
Compan City, Proj.N Locatio	y : Eddie W. St.: 601 W. I ame: EPI Land on : Eunice,	Seay llinois farm NM	Lab #: H1875 Date Received: 11/22/94 Date Analyzed: 11/23/94
Sample		@ 18" depth - Annu	al Sampling Units: ppm
PARAM	PTFD	RESULT 1	
	BIER	8.83	
рн			
Hardness	(CaC03)	2,640	×
Calcium	(CaC03)	2,080	
Magnesium		560	
Sulfate	(S04 <sup>-</sup> )	1,912	
Chloride	(C1-)	1,840	
Nitrate		2.6	
1			
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11. l.	IZ	h	. 111. 1
pl		_	12/6/84
Michael R	. Fowler		Date
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	F	•				٠			
						2111 BEECHW			
		DINAL				101 E. MARL S. COMMERCIAI			37401
	LABOR	ATORIES	INAL	ANAL		R E P			
	Company:	Eddie W. Sea	4		Date: Lab #:	12/6/94 H1875			
	Address: City, State:	601 W. Illino Hobbs, NM 882	240		nan t.	11075			
	Project Name: Location:	EPI Landfarm Eunice, NM	Datos	11/22/94	Time:	12:30			
[	Sampled by: Analyzed by: Sample Type:	ES MF Soil	Date: Date:	11/23/94 Sample Cor	Time:	various Cool, In	tact	Units:	mg/kg
	*******	*****	*******	********	******	*******	*******	*******	*******
-	Samp Field # Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENI	PARA- E XYLENE	META- XYLENE	ORTHO- XYLENE	
	1 Cell #1 @		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1	Depth-An Sampling	nual							
	1								
T									
	QC Recover	y 385.0	0.957	0.819	0.945	0.916	0.929	0.979	1
1	QC Spike Accuracy	405.9 94.8%	108.6%	0.865	0.869	105.8%	108.0%	110.5%	
	Air Blank	***	<0.001	<0.001	<0.001	<0.001	10.001	10.001	1
$\bigvee$									
4									
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					OGCODY				
	Methods - GAS - EPA	S CHROMOTOGRAPH SW-846; 8020,	418.1, 3	540 OR 35	10				
	ni, nh	7 1					1.1	,	
	Mahull	fin					12/6/91	4	
$\bigvee$	Michael R. Fo	owler					Date		

Received by OCD: 7/11/2025 1:45:11 PM	Page 71 of 356
• • •	JECEI W . LT.
	JAN I I
January 5, 2001	MISERVATION DIVISION
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.

mj 2-17-01

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

Sincerely,

Elli when

Eddie W. Seay, Agent 601 W. Illinois Hobbs, NM 88242 (505)392-2236 Received by OCD: 7/11/2025 1:45:11 PM--

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» °

## **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

Heal ID	Client ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)
001129-1 001129-2 001129-3 001129-4 001129-5	Cell 1 Cell 2 Cell 3 Cell 4 Cell 5	ND ND ND ND	ND ND ND ND ND	ND ND ND ND	ND ND ND ND
001129-6 001129-7 MRL	Cell 6 Cell 7	ND ND	ND ND	ND ND	ND ND
		0.00		0.05	0.05

#### **EPA Method 8021 BTEX**

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ad By:	-	0012027-124 (CII 4 0012027-144 (CII 4 0012027-154 (CII 4 0012027-154 (CII 4 0012027-154 (CII 4 0012027-154 (CII 7	CLIMPT. SAVE18 ID	BALL ENVIRONMENTAL	T. ANALYTICAL, Government Gulch . P.0
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le speknoor		<0.01mg/L <0.01mg/L <0.01mg/L <0.01mg/L <0.01mg/L <0.01mg/L	Ag 6010B		HOX 929
		0.21mg/L <0.02mg/L 0.05mg/L 0.04mg/L 0.04mg/L	A# 60108	Sample H	n Kellogg,
		0.865mg/L 1.53mg/L 1.56mg/L 1.19mg/L 1.19mg/L 1.32mg/L	Ba 6010B	Receipt :12/	Idaho 83837
Date:	-	<0.004mg/t. <0.004mg/t. <0.004mg/t. <0.004mg/t. <0.004mg/t. <0.004mg/t.	cd 6010B	12/00	REPORT 7-0929 • Pho
12/10/00		<0.012mg/L <0.012mg/L <0.012mg/L <0.012mg/L <0.012mg/L <0.012mg/L	Cr 6010B	Date of Report	OX7 ne: (208
		0.020mg/L <0.01mg/L <0.01mg/L <0.01mg/L <0.01mg/L	60109 qđ	:12/18/00	F ANALYTICAL (208)784-1258 - F4
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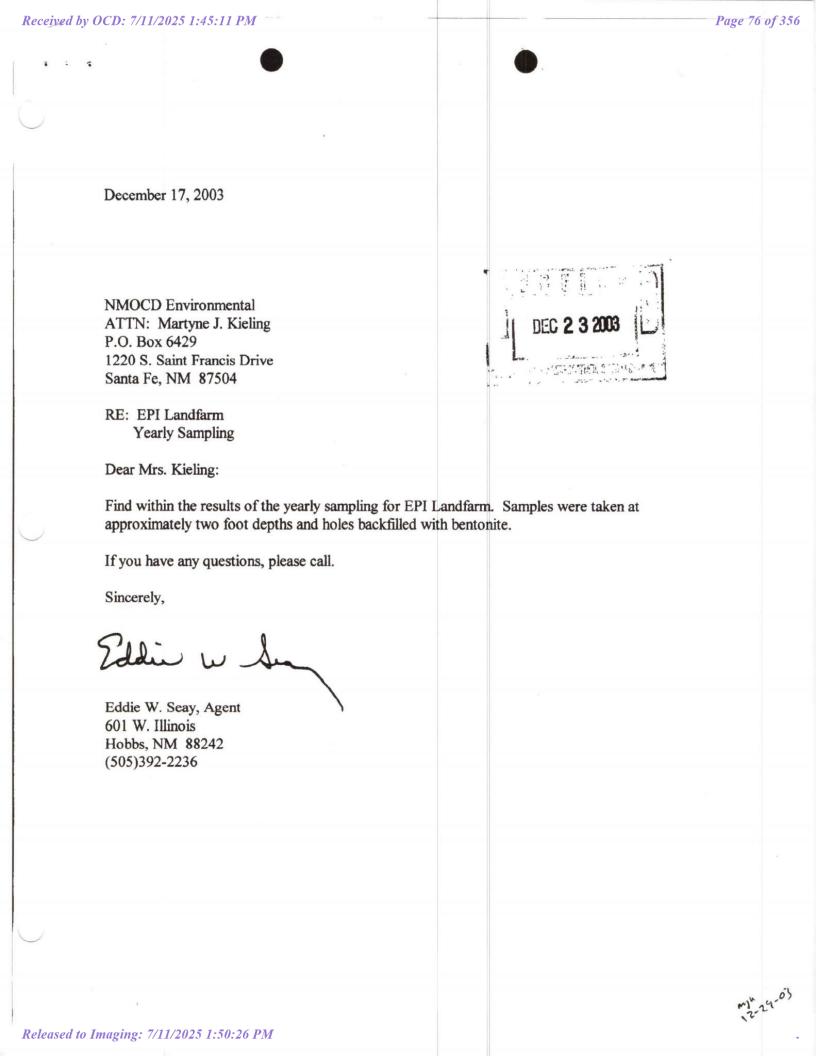
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	cview	W251061 W251062	\$		SAT 10	CLIENT	Cov.	
	Reviewed By: 2	0012027-11ACell 1 0012027-12ACell 2			CLIERT SAMPLE 10	HALL ENVIRONMENTAL	L ANALYTICAL, Government Gulch = P.O.	
	Black 1	12/04/00	-	1 <sup>1</sup>	The t	WTAL	- P.0	
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		<0.005mg/L <0.005mg/L	•		Pb 6010b	t :12/15/00	<b>P ANALYTIC</b> (208)784-1258 =	
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Order: 03 Sample: C/ Matrix: S( QC Group 0311212-01A x03570	B11212 EDD ELL #1 OIL Run Sequence	CAS # SW846 5030A/	Analyte /8015A GRO by GC/FID	Result	11-03 11:45:0 Units	Dilution	ES Detection Limit By: 0.25	Code JDR	Prep Date	Date
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Order:         03           Sample:         C/           Matrix:         S (           QC Group         0311212-01A           03553         0311212-01A           X03553         X03553           X03553         X03553           X03553         X03553           X03553         X03553           X03553         X03553           X03553         X03553           X03571         0311212-01A           X031613         M031595	ELL #1 OIL Run Sequence XG.2003.2095.21 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2108.20 MT.2003.1677.14	CAS # SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3 7440-38-2	Analyte /8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by G Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics Diesel Range Organics 010A/6010B ICP TCLP Arsenic	Result           ND           iC/PID           ND           ND           0.011           0.005           by GC/FID           ND	Units Units mg / Kg mg / Kg	0 By: 1 Dilution Factor 1 1 1 1 1 1 1 1 1 1 1 1 1	ES Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2	Code JDR JDR JDR JDR KDW	Prep Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03
Order:         03           Sample:         C/           Matrix:         S (           QC Group         0311212-01A           03553         0311212-01A           X03553         X03553           X03551         X03553           X03553         X03553           X03553         X03553           X03553         X03553           X03553         X03553           X03553         X03553           X031613         M031595           M031595         M031595	ELL #1 OIL Run Sequence XG.2003.2095.21 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2108.20 MT.2003.1677.14 MT.2003.1677.14	CAS # SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3 7440-38-2 7440-38-3	Analyte /8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by G Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics Diesel Range Organics biosel Range Organics	Result           ND           iC/PID           ND           ND           0.011           0.005           by GC/FID           ND           ND           1.0	II-03 11:45:0 Units mg / Kg mg / Kg	0 By: 0 Dilution Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ES Detection Limit By: 0.25 By: 0.005 0.01 0.25 0	Code JDR JDR JDR JDR KDW	Prep Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03
Order:         03           Sample:         C/           Matrix:         S (           QC Group         0311212-01A           03553         03553           03553         03553           03553         03553           03553         03553           03553         03553           0311212-01A         03553           03553         031553           0311212-01A         03571           0311212-01C         0031595           0031595         0031595	Billing         EDD           ELL #1         OIL           Run Sequence         XG.2003.2095.21           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2108.20         MT.2003.1677.14           MT.2003.1650.14         MT.2003.1650.14	CAS # SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9	Analyte /8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by G Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics Diesel Range Organics 0010A/6010B ICP TCLP Arsenic Barium Cadmium	Result           ND           iC/PID           ND           ND           0.011           0.005           by GC/FID           ND           1.0           ND	II-03 11:45:0 Units mg / Kg mg / L mg / L	0 By: 1 Dilution Factor 1 1 1 1 1 1 1 1 1	ES Detection Limit By: 0.25 By: 0.005 0.001 0.005 0.02 0	Code JDR JDR JDR JDR KDW	Prep Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
Order:         03           Sample:         C/           Matrix:         S (           QC Group         0311212-01A           03553         03553           03553         03553           03553         03553           0311212-01A         03553           03553         03553           0311212-01A         03553           031525         03553           031525         031525           0031595         0031595           0031595         0031595	ELL #1 OIL Run Sequence XG.2003.2095.21 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2123.3 XG.2003.2108.20 MT.2003.1677.14 MT.2003.1650.14 MT.2003.1650.14 MT.2003.1650.14	CAS # SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9 7440-47-3	Analyte /8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by G Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics Diesel Range Organics Biosel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium	Result           ND           SC/PID           ND           ND           ND           0.011           0.005           by GC/FID           ND           1.0           ND           ND	Units Units mg / Kg mg / L mg / L mg / L	0 By: 0 Dilution Factor	ES Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.02 0.05 0.05 0.05 0.05	Code JDR JDR JDR JDR KDW	Prep Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
Order:         03           Gample:         Cl           Aatrix:         SC           Aatrix:         SC           Aatrix:         SC           QC Group         Gasson           Gasson         Gas	Billing         EDD           ELL #1         OIL           Run Sequence         XG.2003.2095.21           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2108.20         MT.2003.1650.14           MT.2003.1650.14         MT.2003.1650.14           MT.2003.1650.14         MT.2003.1650.14           MT.2003.1650.14         MT.2003.1650.14	CAS # SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-39-3 7440-43-9 7440-47-3 7439-92-1	Analyte /8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by G Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics Diesel Range Organics Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead	Result           ND           SC/PID           ND           ND           ND           0.011           0.005           by GC/FID           ND	Units Units mg / Kg mg / L mg / L mg / L mg / L	0 By: 1 Dilution Factor 1 1 1 1 1 1 1 1 1 1 1 1 1	ES Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.01 0.005 By: 0.2 0.2 0.2 0.2 0.2 0.2 0.02 0.05	Code JDR JDR JDR JDR KDW	Prep Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
Order:         03           Sample:         C/           Matrix:         S(           QC Group         0311212-01A           x035570         0311212-01A           x03553         x03553           x03553         x03553	Billing         EDD           ELL #1         OIL           Run Sequence         XG.2003.2095.21           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2123.3         XG.2003.2123.3           XG.2003.2108.20         MT.2003.1677.14           MT.2003.1650.14         MT.2003.1650.14           MT.2003.1650.14         MT.2003.1650.14           MT.2003.1650.14         MT.2003.1650.14	CAS # SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9 7440-43-9 7440-43-9 7440-43-9 7440-43-9 7440-43-9 7440-43-9	Analyte /8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by G Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics Diesel Range Organics Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium	Result           ND           SC/PID           ND           ND           ND           0.011           0.005           by GC/FID           ND           ND	Units Units mg / Kg mg / Lg mg / L mg / L mg / L mg / L	0 By: 0 Dilution Factor	ES Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.02 0.05 0.05 0.05 0.05	Code JDR JDR JDR JDR KDW	Prep Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03



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STANDARD

## Assaigai Analytical Laboratories, Inc. Certificate of Analysis

DIE SEAY CON	0021110								
11212 EDD	01 Rec	eipt: 11-12-03							
ELL #2		Co	pliected: 11-11	1-03 12:10:0	00 By: E	S			
OIL									
					Dilution	Detection		Bron	Run
Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
	SWR46 50304/	R015A GPO by GC/EID				By	IDP		
XG.2003.2095.22		and the second se	ND	mg / Kg	1	0.25	JUIN	11-24-03	11-24-03
	SWR46 FOROAL				I		100		
XG 2003 2123 4	· · · · · · · · · · · · · · · · · · ·	······································	1	malka	1		JDR	11 25 02	11-25-03
		and the second							
		and the second							
AG.2003.2123.4	3/106-42	p/III-Aylenes		ing / kg	· · ·	0.01		11-20-00	11-20-00
XG.2003.2123.4	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	3 11-25-03
	SW846 ME/801	5A Diesel Range Organics by	y GC/FID			By:	JDR		
XG.2003.2108.21		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
	SW846 1311/3	010A/6010B ICP TCLP				By:	KDW		
MT.2003.1677.18	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-03
MT.2003.1650.18	7440-39-3	Barium	1.3	-	10	0.1		11-24-03	3 11-26-03
MT.2003.1650.18	7440-43-9	Cadmium	ND		10	0.02		11-24-03	3 11-26-03
MT.2003.1650.18	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	3 11-26-03
MT.2003.1650.18	7439-92-1	Lead	ND		10	0.05		11-24-03	3 11-26-03
MT.2003.1650.18	7782-49-2	Selenium	ND	-	10	0.05		11-24-03	11-26-03
MT.2003.1650.18	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	3 11-26-03
	SW846 1311/7	470A CVAA TCLP				Bv.	DAH		
MT.2003.1630.19	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	3 11-24-03
6 - F - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990					· · · · · · · · · · · · · · · · · · ·				
ELL #3		Co	ollected: 11-11	1-03 12:30:0	00 By: 1	ES			
OIL									
Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
Run Sequence		••••••	Result	Units	_	Limit		-	_
		8015A GRO by GC/FID			Factor	Limit By:		Date	Date
Run Sequence XG.2003.2095.23	SW846 5030A/	8015A GRO by GC/FID Gasoline Range Organics	ND	Units mg / Kg	_	Limit By: 0.25	JDR	Date	Date
XG.2003.2095.23	SW846 5030A/	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC		mg / Kg	Factor	Limit By: 0.25 By:	JDR	Date 11-24-03	Date 3 11-24-03
XG.2003.2095.23 XG.2003.2123.5	SW846 5030A/ SW846 5030A/ 71-43-2	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene	ND C/PID ND	mg / Kg mg / Kg	Factor 1	Limit By: 0.25 By: 0.005	JDR	Date 11-24-03 11-25-03	<b>Date</b> 3 11-24-03 3 11-25-03
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XG.2003.2095.23 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5	SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene	ND C/PID ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	Factor           1           1           1           1           1           1	Limit By: 0.25 By: 0.005 0.005 0.005	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03	Date 3 11-24-03 3 11-25-03 3 11-25-03 3 11-25-03
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XG.2003.2095.23 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2108.22	SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics b Diesel Range Organics	ND C/PID ND ND ND ND ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor           1           1           1           1           1           1           1           1           1           1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25 By:	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 3 11-24-03 3 11-25-03 3 11-25-03
XG.2003.2095.23 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5 XG.2003.2123.5	SW846 5030A/ SW846 5030A/ 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics b Diesel Range Organics	ND C/PID ND ND ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor           1           1           1           1           1           1           1           1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25	JDR	Date 11-24-02 11-25-02 11-25-02 11-25-02 11-25-02 11-25-02 11-25-02 11-25-02 11-25-02 11-25-02 11-24-02	Date 3 11-24-03 3 11-25-03 3 11-25-03
	PI LANDFARM           11212         EDD           ELL #2         DIL           Run Sequence         XG.2003.2095.22           XG.2003.2123.4         XG.2003.2123.4           XG.2003.2123.4         XG.2003.2123.4           XG.2003.2123.4         XG.2003.2123.4           XG.2003.2123.4         XG.2003.2123.4           XG.2003.2123.4         XG.2003.2123.4           XG.2003.2108.21         MT.2003.1650.18.           MT.2003.1650.18         MT.2003.1650.18           MT.2003.1630.19         MT.2003.1630.19	PI LANDFARM       Rec         11212       EDD01       Rec         ELL #2       D/L       SW846 5030A/8         XG.2003.2095.22       SW846 5030A/8         XG.2003.2123.4       71-43-2         XG.2003.2123.4       71-43-2         XG.2003.2123.4       71-43-2         XG.2003.2123.4       71-43-2         XG.2003.2123.4       71-43-2         XG.2003.2123.4       100-41-4         XG.2003.2123.4       108-38-         XG.2003.2123.4       108-38-         XG.2003.2123.4       108-38-         XG.2003.2123.4       108-38-         XG.2003.2108.21       SW846 ME/801         XG.2003.2108.21       SW846 1311/30         MT.2003.1650.18       7440-39-3         MT.2003.1650.18       7440-43-9         MT.2003.1650.18       7440-43-9         MT.2003.1650.18       7440-22-4         MT.2003.1650.18       7440-22-4         MT.2003.1650.18       7440-22-4         MT.2003.1650.18       7440-22-4         MT.2003.1650.19       7439-97-6         SW846 1311/74       7439-97-6	Sympositic constraints         Sympositeon constraints         Sympositeon constraint	Style         Pi LANDFARM           11212         EDD01         Receipt:         11-12-03           ELL #2         Collected:         11-11           D/L         Collected:         11-11           Run Sequence         CAS #         Analyte         Result           SW846 5030A/8015A         GRO by GC/FID         XG.2003.2095.22         Gasoline Range Organics         ND           XG.2003.2123.4         71-43-2         Benzene         ND         SW846 5030A/8021B Purgeable VOCs by GC/PID           XG.2003.2123.4         71-43-2         Benzene         ND         SW846 5030A/8021B Purgeable VOCs by GC/PID           XG.2003.2123.4         104-14         Ethylbenzene         ND         SW846 5030A/8021B Purgeable VOCs by GC/PID           XG.2003.2123.4         108-38         p/m-Xylenes         ND         SW846 5030A/8021B Purgeable VOCs by GC/FID           XG.2003.2123.4         108-88-3         Toluene         ND         SW846 5030A/8016A Diesel Range Organics by GC/FID           XG.2003.2108.21         Diesel Range Organics         ND         SW846 5030A/6010B ICP TCLP           MT.2003.1650.18         7440-39         Cadmium         ND           MT.2003.1650.18         7440-43-9         Cadmium         ND           MT.2003.1650.18	PI LANDFARM 11212         EDD01         Receipt:         11-12-03           ELL #2         Collected:         11-11-03 12:10:0           OlL         SW846 5030A/8015A GRO by GC/FID         Units           XG 2003.2095.22         Gasoline Range Organics         ND         mg / Kg           XG 2003.2123.4         71-43-2         Benzene         ND         mg / Kg           XG 2003.2123.4         71-43-2         Benzene         ND         mg / Kg           XG 2003.2123.4         71-43-2         Benzene         ND         mg / Kg           XG 2003.2123.4         71-6         o-Xylene         ND         mg / Kg           XG 2003.2123.4         100-41-4         Ethylbenzene         ND         mg / Kg           XG 2003.2123.4         108-88-3         p/m-Xylenes         ND         mg / Kg           XG 2003.2123.4         108-88-3         Toluene         ND         mg / Kg           XG 2003.2123.4         108-88-3         Toluene         ND         mg / Kg           XG 2003.2108.21         Diesel Range Organics         ND         mg / L           XG 2003.2108.21         Toluene         ND         mg / L           XG 2003.2108.21         Toleael Ange Organics         ND         mg / L	PI LANDFARM 11212         EDD01         Receipt:         11-12-03           ELL #2         Collected:         11-11-03 12:10:00         By:         E           DIL         Collected:         11-11-03 12:10:00         By:         E           DIL         Collected:         11-11-03 12:10:00         By:         E           Coll         Collected:         11-11-03 12:10:00         By:         E           DIL         Collected:         11-11-03 12:10:00         By:         E           Coll         Sw846 5030A/8015A GRO by GC/FID         Collected:         Dilution           XG 2003.2095.22         Gasoline Range Organics         ND         mg / Kg         1           Sw846 5030A/8021B Purgeable VOCs by GC/PID         Sw846 11         1         1           XG 2003.2123.4         71-43-2         Benzene         ND         mg / Kg         1           XG 2003.2123.4         106-41-4         Ethylbenzene         ND         mg / Kg         1           XG 2003.2123.4         108-83-3         Toluene         ND         mg / Kg         1           XG 2003.2123.4         108-84-3         Toluene         ND         mg / Kg         1           XG 2003.2108.21         Diseel Range Organics by GC/FI	VI LANDFARM 11212         Receipt:         11-12-03           ELL #2         Collected:         11-11-03 12:10:00         By:         ES           DIL         Collected:         11-11-03 12:10:00         By:         ES           DIL         SW846 5030A/8015A         GRO by GC/FID         Dilution         Detection           KG 2003.2095.22         Gasoline Range Organics         ND         mg / Kg         1         0.25           SW846 5030A/8015A         GRO by GC/FID         By:         By:         Strate         By:         Strate         By:         Strate         Collocted:         10.025         Strate         Dilution         Detection         Egro         Egro         By:         Strate         Strate         Strate         By:         Strate         Strat         Strate         Strate	PI LANDFARM 11212         Receipt:         11-12-03           ELL #2         Collected:         11-11-03 12:10:00         By:         ES           DL         Dillution         Detection         Limit         Code           SW846 5030A/8015A         Gasoline Range Organics         ND         mg / Kg         1         0.25	PI LANDFARM 11212         EDD01         Receipt:         11-12-03           ELL #2         Collected:         11-11-03 12:10:00         By:         ES           DL         Dilution         Detection         Prep           Run Sequence         CAS #         Analyte         Result         Units         Factor         Limit         Code         Date           XG 2003.2005.22         Gasoline Range Organics         ND         mg / Kg         1         0.25         11-24-03           XG 2003.2123.4         T/14-32         Benzene         ND         mg / Kg         1         0.005         11-25-03           XG 2003.2123.4         104-114         Ethylenzene         ND         mg / Kg         1         0.005         11-25-03           XG 2003.2123.4         106-412         Ethylenzene         ND         mg / Kg         1         0.005         11-25-03           XG 2003.2123.4         108-38-         p/m-Xylenes         ND         mg / Kg         1         0.005         11-25-03           XG 2003.2123.4         108-88-3         Toluene         ND         mg / Kg         1         0.005         11-25-03           XG 2003.2123.4         108-88-3         Toluene         ND         mg / Kg

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STANDARD

Project: Order:	EDDIE SEA EPI LANDI 0311212		ISULTING 01	Receipt:	11-12-03							
Sample: Matrix:	CELL #3 SOIL				Co	llected: 11-11	-03 12:30:0	0 By: E	ES			
QC Group	p Run Se	equence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code		Run Date
0311212-0	03C		SW846 131	1/3010A/60	10B ICP TCLP				By:	KDW		
M031595	MT.2003	3.1650.19	7440-43-9	1	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003	3.1650.19	7440-47-3		Chromium	ND	mg / L	10	0.02		11-24-03	11-26-03
M031595	MT.2003	3.1650.19	7439-92-1		Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003	3.1650.19	7782-49-2		Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
M031595	MT.2003	3.1650.19	7440-22-4		Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
0311212	030		SW846 131	1/74704 0					By:	DAH		
0311212-0 M031591		3.1630.20	7439-97-6	ITTHINA C		ND	ma / l	1	0.0002	DAH	11-24-03	11-24-03
1031591	WIT.200.	5.1030.20	1439-91-0		Mercury		mg / L	1	0.0002	]	11-24-03	11-24-03
Sample: Matrix:	CELL #4 SOIL				Co	ollected: 11-11	-03 13:05:0	0 By: £	ES			
	SUL											
	3012							Dilution	Detection		Prep	Run
QC Grou		equence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
QC Grou		equence	CAS #		Analyte	Result	Units					
QC Grou	ip Run Si	equence		30A/8015A	Analyte GRO by GC/FID	Result	Units			Code JDR		
	ip Run Se 104A	equence 3.2095.24				Result	Units mg / Kg		Limit		Date	Date
311212- J3570	9 Run So 104A XG.2003		SW846 503	Gasol	GRO by GC/FID ine Range Organics	ND		Factor	Limit By: 0.25	JDR	Date	
311212- 03570 0311212-	04A XG.200	3.2095.24	SW846 503	Gasol	GRO by GC/FID ine Range Organics Purgeable VOCs by GC	ND C/PID	mg / Kg	Factor	Limit By: 0.25 By:		Date	Date 11-24-03
<b>311212-</b> 03570 <b>0311212-</b> X03553	04A XG.2003 •04A XG.2003	3.2095.24 3.2123.6	SW846 503 SW846 503 71-43-2	Gasol 30A/8021B	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene	ND 2/PID ND	mg / Kg mg / Kg	Factor 1	Limit By: 0.25 By: 0.005	JDR	Date 11-24-03	Date 11-24-03 11-25-03
311212- J3570 0311212- X03553 X03553	04A XG.2003 04A XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6	SW846 503 SW846 503 71-43-2 100-41-4	Gasol 30A/8021B	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene	ND C/PID ND ND	mg / Kg mg / Kg mg / Kg	Factor 1 1 1	Limit By: 0.25 By: 0.005 0.005	JDR	Date 11-24-03 11-25-03	Date 11-24-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>0311212-</b> X03553 X03553 X03553	<b>P Run Se</b> 04A XG.2003 04A XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6	SW846 503 SW846 503 71-43-2 100-41-4 95-47-6	Gasol 30A/8021B	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene	ND C/PID ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005	JDR	Date 11-24-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>0311212-</b> X03553 X03553 X03553	<b>P Run Se</b> 04A XG.2003 04A XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6	SW846 503 SW846 503 71-43-2 100-41-4	Gasol 30A/8021B	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes	ND C/PID ND ND	mg / Kg mg / Kg mg / Kg	Factor 1 1 1	Limit By: 0.25 By: 0.005 0.005	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03
311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553	04A XG.2003 04A XG.2003 XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6	SW846 503 SW846 503 71-43-2 100-41-4 95-47-6 108-38-	Gasol 30A/8021B	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene	ND C/PID ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03
311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553 X03553	04A XG.2003 04A XG.2003 XG.2003 XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6	SW846 503 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	Gasol 30A/8021B	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes	ND ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03
311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553 X03553 0311212-	P Run So 04A XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6	SW846 503 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	Gasol 30A/8021B 	GRO by GC/FID ine Range Organics Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03
311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553 X03553 X03553 X03553 X03553	P Run Se 04A XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6	SW846 503 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME	Gasol 30A/8021B 2/8015A Di Dies	GRO by GC/FID ine Range Organics Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene esel Range Organics by el Range Organics	ND ND ND ND ND ND ND SC/FID	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25	JDR JDR JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553 03553 0311212- X03571 0311212-	P Run Se 04A XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6	SW846 503 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME SW846 13	Gasol 30A/8021B 2/8015A Di Dies	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene esel Range Organics by el Range Organics	ND ND ND ND ND ND ND SC/FID ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25 By:	JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553 0311212- X03571 0311212- M031613	P Run So 04A XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2108.23 3.1677.22	SW846 503 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME SW846 134 7440-38-2	Gasol 30A/8021B 2/8015A Di Dies	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene esel Range Organics by el Range Organics 010B ICP TCLP Arsenic	ND ND ND ND ND ND SC/FID ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / L	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2	JDR JDR JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 12-01-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
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311212- J3570 0311212- X03553 X03553 X03553 X03553 X03553 0311212- X03571 0311212- M031613 M031595 M031595	P Run So 04A XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 XG.2003 MT.2003 MT.2003 MT.2003	3.2095.24 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2123.6 3.2108.23 3.1677.22 3.1650.22 3.1650.22	SW846 503 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME SW846 ME 7440-38-2 7440-39-3 7440-43-9	Gasol 30A/8021B 2/8015A Di Dies	GRO by GC/FID ine Range Organics Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene esel Range Organics by el Range Organics by el Range Organics 010B ICP TCLP Arsenic Barium Cadmium	ND ND ND ND ND ND SC/FID ND ND 1.4 ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / L mg / L mg / L	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02	JDR JDR JDR	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03	Date 11-24-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03
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STANDARD

### Assaigai Analytical Laboratories, Inc. Certificate of Analysis

	DIE SEAY CON	SULTING								
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311212-05A		SW846 5030A	V8015A GRO by GC/FID				By:	JDR		
03570	XG.2003.2100.3		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-0
311212-05A		SW846 5030A	V8021B Purgeable VOCs by GC	PID			By:	JDR		
03553	XG.2003.2123.7	71-43-2	Benzene	ND	mg / Kg	1	0.005		11-25-03	11-25-0
03553	XG.2003.2123.7	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-0
03553	XG.2003.2123.7	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	11-25-0
03553	XG.2003.2123.7	108-38-	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-0
03553	XG.2003.2123.7	3/106-42	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-0
					ing / ry	<u> </u>	0.005		11-20-00	11-20-0
311212-05A		SW846 ME/80	015A Diesel Range Organics by	GC/FID			By:	JDR		
03571	XG.2003.2108.36		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-0
311212-05C		SW846 1311/	3010A/6010B ICP TCLP				By:	KDW		
031613	MT.2003.1677.23	7440-38-2	Arsenic	ND	mg / L	10	0.2		12-01-03	12-02-0
031595	MT.2003.1650.23	7440-39-3	Barium	1.0	mg / L	10	0.1		11-24-03	11-26-0
031595	MT.2003.1650.23	7440-43-9	Cadmium	ND	mg / L	10	0.02		11-24-03	11-26-0
031595	MT.2003.1650.23	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	11-26-0
031595	MT.2003.1650.23	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-0
031595	MT.2003.1650.23	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-0
031595	MT.2003.1650.23	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-0
311212-05C		SW846 1311/	7470A CVAA TCLP				By:	DAH		
031591	MT.2003.1630.22	7439-97-6	Mercury	ND	mg / L	1	0.0002	DAIT	11-24-03	11-24-0
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C Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
	Run Sequence			Result	Units		Limit			
311212-06A	Run Sequence		Analyte V8015A GRO by GC/FID Gasoline Range Organics	Result	Units mg / Kg				Date	
<b>311212-06A</b> 03570		SW846 5030A	V8015A GRO by GC/FID Gasoline Range Organics	ND		Factor	Limit By: 0.25	JDR	Date	Date
<b>311212-06A</b> 03570 <b>311212-06A</b>	XG.2003.2100.4	SW846 5030A SW846 5030A	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC	ND C/PID	mg / Kg	Factor	Limit By: 0.25 By:	JDR	Date 11-25-03	Date 11-25-0
<b>311212-06A</b> 03570 <b>311212-06A</b> 03553	XG.2003.2100.4 XG.2003.2123.26	SW846 5030A SW846 5030A 71-43-2	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene	ND C/PID ND	mg / Kg mg / Kg	Factor	Limit By: 0.25 By: 0.005	JDR	Date 11-25-03 11-26-03	Date 11-25-0 11-26-0
<b>311212-06A</b> 03570 <b>311212-06A</b> 03553 03553	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A SW846 5030A 71-43-2 100-41-4	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene	ND C/PID ND ND	mg / Kg mg / Kg mg / Kg	Factor           1           1           1           1	Limit By: 0.25 By: 0.005 0.005	JDR	Date 11-25-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0
<b>311212-06A</b> 03570 <b>311212-06A</b> 03553 03553 03553	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene	ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	Factor	Limit By: 0.25 By: 0.005 0.005 0.005	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0
<b>311212-06A</b> 03570 <b>311212-06A</b> 03553 03553 03553 03553	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes	ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0 11-26-0
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<b>311212-06A</b> 03570 <b>311212-06A</b> 03553 03553 03553 03553 03553	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes	ND ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0 11-26-0
<b>311212-06A</b> 03570 <b>311212-06A</b> 03553 03553 03553 03553 03553 <b>311212-06A</b>	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0 11-26-0 11-26-0
<b>311212-06A</b> 035570 <b>311212-06A</b> 03553 03553 03553 03553 03553 <b>311212-06A</b> 03571	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 015A Diesel Range Organics by Diesel Range Organics	ND ND ND ND ND ND VD VGC/FID	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor           1           1           1           1           1           1           1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0
3311212-06A         (03570         3311212-06A         (03553         (03553         (03553         (03553         (03553         (03553         (03553         (03553         (03553         (03553         (03553         (03553         (03571         (03571         (031212-06C	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2108.37	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/2	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 015A Diesel Range Organics by Diesel Range Organics	ND ND ND ND ND ND Y GC/FID ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor	Limit By: 0.25 By: 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By:	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0 11-26-0 11-26-0 11-26-0 11-25-0
2C Group 311212-06A (03570 311212-06A (03553 (03553 (03553 (03553 311212-06A (03571 311212-06C (031613 (031595	XG.2003.2100.4 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26 XG.2003.2123.26	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80	V8015A GRO by GC/FID Gasoline Range Organics V8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 015A Diesel Range Organics by Diesel Range Organics	ND ND ND ND ND ND VD VGC/FID	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Factor           1           1           1           1           1           1           1	Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25	JDR	Date 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03	Date 11-25-0 11-26-0 11-26-0 11-26-0 11-26-0

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STANDARD

## Assaigai Analytical Laboratories, Inc. Certificate of Analysis

Project: Order:	EPI LANDFARM 0311212 EDD	<b>01</b> Re	eceipt: 11-12-03							
Sample: Matrix:	CELL #6 SOIL		Co	ollected: 11-1	1-03 13:50:	00 By: E	ES .			
QC Grou	p Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-0	06C	SW846 1311/3	010A/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	
1031595	MT.2003.1650.24	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	11-26-03
1031595	MT.2003.1650.24	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-03
1031595	MT.2003.1650.24	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-03
311212-	060	SW846 4344	470A CVAA TCLP		4		D	DAV		
1311212-0 1031591	MT.2003.1630.25	7439-97-6		0.0003	mall	4	By:	DAH	11 04 00	11 24 02
1001001	WT1.2003, 1030.20	/ 433-5/-0	Mercury	0.0003	mg / L	1	0.0002		11-24-03	11-24-03
ample:	CELL #7		Co	ollected: 11-1	1-03 14:15:	00 By: E	ES			
Aatrix:	SOIL									
	5012									
						Dilution	Detection		Prep	Run
C Grou	p Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
QC Grou		••••••		Result	Units	Factor			Date	Date
2C Group 311212-4 J3570		••••••	/8015A GRO by GC/FID	Result	Units mg / Kg	Factor	Limit By: 0.25			11-25-03
<b>311212-</b> J3570	07A XG.2003.2100.5	SW846 5030A	/8015A GRO by GC/FID Gasoline Range Organics	ND			By: 0.25	JDR		
311212-4 J3570 3311212-4	07A XG.2003.2100.5	SW846 5030A SW846 5030A	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GC	ND C/PID	mg / Kg	1	By: 0.25 By:	JDR	11-25-03	11-25-03
311212-4 J3570 3311212-4 (03553	07A XG.2003.2100.5 07A XG.2003.2123.9	SW846 5030A SW846 5030A 71-43-2	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GC Benzene	ND C/PID ND	mg / Kg mg / Kg	1	By: 0.25 By: 0.005	JDR	11-25-03 11-25-03	11-25-03 11-25-03
311212- 3570 311212- (03553 (03553	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9	SW846 5030A SW846 5030A 71-43-2 100-41-4	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GC Benzene Ethylbenzene	C/PID ND ND	mg / Kg mg / Kg mg / Kg	1	By: 0.25 By: 0.005 0.005	JDR	11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03
311212-4 33570 3311212-4 (03553 (03553 (03553	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene	C/PID ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1	By: 0.25 By: 0.005 0.005 0.005	JDR	11-25-03 11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>311212-</b> 03553 03553 03553	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9	SW846 5030A SW846 5030A 71-43-2 100-41-4	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GC Benzene Ethylbenzene	C/PID ND ND	mg / Kg mg / Kg mg / Kg	1	By: 0.25 By: 0.005 0.005	JDR	11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>311212-</b> 03553 03553 03553 03553	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6 108-38-	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene	C/PID ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1	By: 0.25 By: 0.005 0.005 0.005	JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> 3570 <b>311212-</b> 03553 03553 03553 03553 03553	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND C/PID ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005	JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>311212-</b> 03553 03553 03553 03553 03553 <b>311212-</b>	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND C/PID ND ND ND ND VD V GC/FID	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By:	JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>311212-</b> 03553 03553 03553 03553 03553 <b>311212-</b>	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND C/PID ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005	JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
<b>311212-</b> J3570 <b>311212-</b> 03553 03553 03553 03553 03553 <b>03553</b> <b>311212-</b> 03571	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2108.38	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND C/PID ND ND ND ND VD V GC/FID	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By:	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
311212-4 J3570 311212-4 03553 03553 03553 03553 03553 311212-1 03571 311212-4	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2108.38	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics	ND C/PID ND ND ND ND VD V GC/FID	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
311212-4 J3570 311212-4 03553 03553 03553 03553 03553 311212-4 03571 311212-1 031613	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 07A XG.2003.2108.38 07C	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics	ND ND ND ND ND ND V V C/FID ND ND ND ND ND ND	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By:	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 12-01-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03
311212-4 J3570 311212-4 03553 03553 03553 03553 03553 311212-4 03571 311212-1 1031613 1031595	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2108.38 07C MT.2003.1677.25	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3 7440-38-2	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 115A Diesel Range Organics by Diesel Range Organics 8010A/6010B ICP TCLP Arsenic	ND ND ND ND ND ND V V V V V V V V V V V V V	mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	1 1 1 1 1 1 1 10 10 10	By: 0.25 By: 0.005 0.005 0.005 0.005 0.005 By: 25 By: 0.2 0.1 0.02	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 12-01-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03
311212-4 3570 311212-4 03553 03553 03553 03553 03553 311212-4 03571 311212-4 1031613 1031595 1031595	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2108.38 07C MT.2003.1677.25 MT.2003.1650.25	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-39-3 7440-43-9 7440-47-3	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics 8010A/6010B ICP TCLP Arsenic Barium	ND C/PID ND ND ND ND V V V V V V V V V V V V V	mg / Kg mg / L mg / L mg / L	1 1 1 1 1 1 1 1 1 1 0 10 10 10	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.1	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03
311212-4 3570 311212-4 (03553 (03553 (03553 (03553 (03553 )311212-4 (03571 )311212-4 (031613 /031595 /031595 /031595	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 07A XG.2003.2108.38 07C MT.2003.1677.25 MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25	SW846 5030A SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9 7440-43-9 7440-47-3 7439-92-1	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead	ND C/PID ND ND ND ND V V V V V V V V V V V V V	mg / Kg mg / L mg / L mg / L mg / L mg / L	1 1 1 1 1 1 1 1 1 1 1 1 0 10 10 10 10	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.1 0.02 0.02	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03
311212-4 J3570 311212-4 03553 03553 03553 03553 03553 03553 311212-4 03571 311212-4 1031613 1031595 1031595 1031595 1031595 1031595	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 07A XG.2003.2108.38 07C MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-92-1 7782-49-2	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium	ND C/PID ND ND ND ND ND Y GC/FID ND ND ND ND ND ND ND ND ND N	mg / Kg mg / L mg / L mg / L mg / L mg / L	1 1 1 1 1 1 1 1 1 1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.02 0.05 0.05	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
311212-4 J3570 311212-4 03553 03553 03553 03553 03553 311212-1 031613 031595 031595 031595 031595 031595	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 07A XG.2003.2108.38 07C MT.2003.1677.25 MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9 7440-43-9 7440-47-3 7439-92-1	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead	ND C/PID ND ND ND ND V V V V V V V V V V V V V	mg / Kg mg / L mg / L mg / L mg / L mg / L	1 1 1 1 1 1 1 1 1 1 1 1 0 10 10 10 10	By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.1 0.02 0.02	JDR JDR JDR	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03
311212-4 3570 311212-4 (03553 (03553 (03553 (03553 (03553 )311212-4 (031513 1031595 1031595 1031595	07A XG.2003.2100.5 07A XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 XG.2003.2123.9 07A XG.2003.2108.38 07C MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25 MT.2003.1650.25	SW846 5030A 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/80 SW846 ME/80 SW846 ME/80 SW846 1311/3 7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-92-1 7782-49-2 7440-22-4	/8015A GRO by GC/FID Gasoline Range Organics /8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 15A Diesel Range Organics by Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium	ND C/PID ND ND ND ND ND Y GC/FID ND ND ND ND ND ND ND ND ND N	mg / Kg mg / L mg / L mg / L mg / L mg / L	1 1 1 1 1 1 1 1 1 1 1 1 1 1	By: 0.25 By: 0.005 0.005 0.005 0.005 0.01 0.005 By: 25 By: 0.2 0.1 0.02 0.02 0.05 0.05	JDR JDR JDR JDR KDW	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03

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STANDARD

Project:	EPI LANDFARM	NSULTING								
Order:	0311212 EDI	001 Rec	eipt: 11-12-03							
Sample:	CELL #8		Cc	ollected: 11-1	1-03 14:35:0	00 By: E	S			
Aatrix:	SOIL									
C Group	p Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
311212-0	08A	SW846 5030A/8	8015A GRO by GC/FID				By:	JDR		
03570	XG.2003.2100.6		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
311212-0	08A	SW846 5030A/	3021B Purgeable VOCs by GC				By:	JDR		
03579	XG.2003.2123.14	71-43-2	Benzene	ND	mg / Kg	1	0.005	ODIC	11-25-03	11-25-03
03579	XG.2003.2123.14	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
03579	XG.2003.2123.14	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	
03579	XG.2003.2123.14	108-38- 3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	11-25-03
(03579	XG.2003.2123.14	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-0
311212-0	08A	SW846 ME/801	5A Diesel Range Organics by	GC/FID			By:	JDR		
(03571	XG.2003.2108.39		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-25-03
311212-0	080	SW846 1311/20	10A/6010B ICP TCLP			•	By:	KDW		
1031614	MT.2003.1677.38	7440-38-2	Arsenic	ND	mg / L	10	0.2	KDVV	12-01-03	12-02-03
1031595	MT.2003.1650.26	7440-39-3	Barium	1.2	mg / L	10	0.1		11-24-03	
1031595	MT, 2003, 1650, 26	7440-43-9	Cadmium	ND	mg/L	10	0.02		11-24-03	
031595	MT.2003.1650.26	7440-47-3	Chromium	ND	mg / L	10	0.02		11-24-03	
1031595	MT.2003.1650.26	7439-92-1	Lead	ND	mg / L	10	0.05		11-24-03	
1031595	MT.2003.1650.26	7782-49-2	Selenium	ND	mg / L	10	0.05		11-24-03	11-26-0
1031595	MT.2003.1650.26	7440-22-4	Silver	ND	mg / L	10	0.04		11-24-03	11-26-0
2442424		SING 46 4244 /7	TAA CWAA TOLD			·	P	DALL		
311212-0 1031591	MT.2003.1630.27	7439-97-6	Mercury	0.0006	mg / L	1	By: 0.0002	DAH	11-24-03	11-24-0
	W1.2000.1000.27	1405-07-0	Wercury	0.0000	ng/ L		0.0002		11-24-03	11-24-0
and the second second	0511 40		Co		1 00 15.00 /					
ample:	CELL #9			ollected: 11-1	7-03 15:00:0	00 By: 1	ES			
	SOIL			ollected: 11-1	7-03 15:00:0	00 Ву: I	ES			
Matrix:	SOIL	CAS #	Analyte	Result	7-03 75:00:( Units		ES Detection Limit	Code	Prep Date	Run Date
Matrix: QC Group	SOIL p Run Sequence	******	Analyte 8015A GRO by GC/FID			Dilution	Detection Limit	Code		
Matrix: QC Group 0311212-0	SOIL p Run Sequence	******				Dilution	Detection			Date
Matrix: QC Group 1311212-0 103570	SOIL p Run Sequence 09A XG.2003.2100.7	SW846 5030A/1	8015A GRO by GC/FID Gasoline Range Organics	Result ND	Units	Dilution Factor	Detection Limit By: 0.25	JDR	Date	Date
latrix: 2C Group 311212-0 03570 311212-0	SOIL p Run Sequence 09A XG.2003.2100.7	SW846 5030A/1	8015A GRO by GC/FID	Result ND	Units mg / Kg	Dilution Factor	Detection Limit By:	JDR	Date 11-25-03	Date 11-25-0
latrix: 2C Group 311212-0 03570 311212-0 03579	SOIL p Run Sequence 09A XG.2003.2100.7	SW846 5030A/1 SW846 5030A/1	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC	Result ND C/PID	Units mg / Kg mg / Kg	Dilution Factor	Detection Limit By: 0.25 By:	JDR	Date 11-25-03	Date 11-25-0
latrix: C Group 311212-C 03570 311212-C 03579 03579	SOIL p Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18	SW846 5030A/4 SW846 5030A/4 71-43-2	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene	Result ND C/PID ND	Units mg / Kg	Dilution Factor	Detection Limit By: 0.25 By: 0.005	JDR	Date 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0
C Group 311212-C 03570 311212-C 03579 03579 03579	SOIL P Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18 XG.2003.2123.18	SW846 5030A/1 SW846 5030A/1 71-43-2 100-41-4 95-47-6 108-38-	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene Ethylbenzene	Result ND C/PID ND ND	Units mg / Kg mg / Kg mg / Kg	Dilution Factor	Detection Limit 0.25 By: 0.005 0.005	JDR	Date 11-25-03 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0 11-25-0
Aatrix: 2C Group 311212-C 03570 311212-C 03579 03579 03579 03579 03579	SOIL P Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18	SW846 5030A/1 SW846 5030A/1 71-43-2 100-41-4 95-47-6	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene	Result ND C/PID ND ND ND	Units mg / Kg mg / Kg mg / Kg mg / Kg	Dilution Factor	Detection Limit 0.25 By: 0.005 0.005 0.005	JDR	Date 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0
Aatrix: C Group 311212-C 03570 311212-C 03579 03579 03579 03579 03579	SOIL P Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18	SW846 5030A/0 SW846 5030A/0 71-43-2 100-41-4 95-47-6 108-38- 3106-42 108-88-3	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	Result ND C/PID ND ND ND ND ND ND ND ND ND	Units mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Dilution Factor	Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.005	JDR	Date 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0
Aatrix: C Group 0311212-0 03570 0311212-0 03579 03579 03579 03579 03579 03579 03579 03579 03579 03579	SOIL P Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18	SW846 5030A/0 SW846 5030A/0 71-43-2 100-41-4 95-47-6 108-38- 3106-42 108-88-3	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes	Result ND C/PID ND ND ND ND ND ND ND ND ND	Units mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Dilution Factor	Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005	JDR	Date 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0
Aatrix: 2C Group 311212-C 03570 311212-C 03579 03579 03579 03579 03579 03579 03579 03579	SOIL P Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18	SW846 5030A/0 SW846 5030A/0 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/801	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 5A Diesel Range Organics by Diesel Range Organics	Result ND //PID ND ND ND ND ND ND VGC/FID	Units mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Dilution Factor	Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By: 25	JDR JDR JDR	Date 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0
Sample: Matrix: QC Group 0311212-0 (03570 0311212-0 (03579 (03579 (03579 (03579 (03579 (03579 (03579 (03579 (03579 (03572 0311212-0 (03572 (0351212-0) (03512	SOIL P Run Sequence 09A XG.2003.2100.7 09A XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18 XG.2003.2123.18	SW846 5030A/0 SW846 5030A/0 71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3 SW846 ME/801	8015A GRO by GC/FID Gasoline Range Organics 8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene 5A Diesel Range Organics by	Result ND //PID ND ND ND ND ND ND VGC/FID	Units mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg mg / Kg	Dilution Factor	Detection Limit By: 0.25 By: 0.005 0.005 0.005 0.01 0.005 By:	JDR JDR JDR	Date 11-25-03 11-25-03 11-25-03 11-25-03 11-25-03	Date 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0 11-25-0

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SQLCoyote: Reports 1.0.0310221500XX

Report Date 12/4/2003 9:14:11 AM

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# Assaigai Analytical Laboratories, Inc.

Project: Order:	EDDIE SEAY CON EPI LANDFARM 0311212 EDD		ceipt: 11-12-03							
Sample:	CELL #9		Col	llected: 11-1	1-03 15:00:0	00 By: 8	ES			
Matrix:	SOIL									
QC Grou	p Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0311212-	-09C	SW846 1311/30	10A/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
		CINO 40 4044/7					D	DALL		
0311212-	-09C MT.2003.1630.28		TOA CVAA TCLP	ND			By:	DAH	14 04 00	44.04.00
M031591	WI1.2003.1630.26	7439-97-6	Mercury	ND	mg / L	1	0.0002		11-24-03	11-24-03
Sample:	CELL #10		Co	llected: 11-1	1-03 15:30:0	00 By: 1	ES			
Matrix:	SOIL					,				
Widtha.	SUIL									
						Dilution	Detection		Prep	Run
QC Grou	p Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
311212-	-10A	SW846 5030A/	8015A GRO by GC/FID				By:	JDR		
3578	XG.2003.2117.5		Gasoline Range Organics	ND	mg / Kg	1	0.25		11-25-03	11-25-03
0311212-	-104	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	
X03579	XG.2003.2123.19	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	
X03579	XG.2003.2123.19	108-38-	p/m-Xylenes	ND	mg / Kg	1	0.00	-	11-25-03	
X03519	AG.2003.2123.18	3/106-42	phil-Aylenes	ND	ing / ing		0.01	L]	11 20-00	11-20-00
X03579	XG.2003.2123.19	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-03
	-104	SW846 ME/801	5A Diesel Range Organics by	GC/EID			By:	JDR		
0311212-		011010 111001							11-24-03	11-24-03
	XG 2003 2115 9				ma / Ka	1	25			
	XG.2003.2115.9		Diesel Range Organics	ND	mg / Kg	1	25			
X03572	-10C			ND		L	By:	KDW		
X03572 <b>0311212</b> -		7440-38-2	Diesel Range Organics 010A/6010B ICP TCLP Arsenic	ND	mg / L	10	By: 0.2	KDW		12-02-03
X03572 <b>0311212-</b> M031614	-10C	7440-38-2 7440-39-3	Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium	ND ND 1.2	mg / L mg / L	10 10	By: 0.2 0.1	KDW	11-24-03	11-26-03
X03572 <b>0311212-</b> M031614 M031595	-10C MT.2003.1677.40	7440-38-2 7440-39-3 7440-43-9	Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium	ND ND 1.2 ND	mg / L mg / L mg / L	10 10 10	By: 0.2 0.1 0.02	KDW	11-24-03 11-24-03	11-26-03 11-26-03
X03572 0311212- M031614 M031595 M031595	-10C MT.2003.1677.40 MT.2003.1650.28	7440-38-2 7440-39-3 7440-43-9 7440-47-3	Diesel Range Organics D10A/6010B ICP TCLP Arsenic Barium Cadmium Chromium	ND ND 1.2 ND ND	mg / L mg / L mg / L mg / L	10 10 10 10	By: 0.2 0.1 0.02 0.02	KDW	11-24-03 11-24-03 11-24-03	11-26-03 11-26-03 11-26-03
X03572 0311212- M031614 M031595 M031595 M031595	-10C MT.2003.1677.40 MT.2003.1650.28 MT.2003.1650.28	7440-38-2 7440-39-3 7440-43-9	Diesel Range Organics 010A/6010B ICP TCLP Arsenic Barium Cadmium	ND ND 1.2 ND ND ND	mg / L mg / L mg / L	10 10 10 10 10	By: 0.2 0.1 0.02 0.02 0.05	KDW	11-24-03 11-24-03 11-24-03 11-24-03	11-26-03 11-26-03 11-26-03 11-26-03
K03572 D311212- M031614 M031595 M031595 M031595 M031595	-10C MT.2003.1677.40 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28	7440-38-2 7440-39-3 7440-43-9 7440-47-3	Diesel Range Organics D10A/6010B ICP TCLP Arsenic Barium Cadmium Chromium	ND ND 1.2 ND ND ND ND	mg / L mg / L mg / L mg / L	10 10 10 10 10 10	By: 0.2 0.1 0.02 0.02 0.05 0.05	KDW	11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
X03572 <b>0311212-</b> M031614 M031595 M031595 M031595 M031595 M031595	-10C MT.2003.1677.40 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28	7440-38-2           7440-39-3           7440-43-9           7440-47-3           7439-92-1	Diesel Range Organics D10A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead	ND ND 1.2 ND ND ND	mg / L mg / L mg / L mg / L mg / L	10 10 10 10 10	By: 0.2 0.1 0.02 0.02 0.05	KDW	11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
X03572 0311212- M031614 M031595 M031595 M031595 M031595 M031595 M031595	-10C MT.2003.1677.40 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28	7440-38-2         7440-39-3         7440-43-9         7440-47-3         7439-92-1         7782-49-2         7440-22-4	Diesel Range Organics DIOA/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium Silver	ND ND 1.2 ND ND ND ND	mg / L mg / L mg / L mg / L mg / L mg / L	10 10 10 10 10 10	By: 0.2 0.1 0.02 0.02 0.05 0.05 0.04		11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-26-03 11-26-03 11-26-03 11-26-03 11-26-03
0311212- X03572 0311212- M031614 M031595 M031595 M031595 M031595 M031595 0311212- M031591	-10C MT.2003.1677.40 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28	7440-38-2         7440-39-3         7440-43-9         7440-47-3         7439-92-1         7782-49-2         7440-22-4	Diesel Range Organics D10A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium Silver 470A CVAA TCLP	ND ND 1.2 ND ND ND ND ND	mg / L mg / L mg / L mg / L mg / L mg / L mg / L	10 10 10 10 10 10 10 10	By: 0.2 0.1 0.02 0.02 0.05 0.05 0.04 By:		11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-26-0 11-26-0 11-26-0 11-26-0 11-26-0 11-26-0 11-26-0
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X03572 0311212- M031614 M031595 M031595 M031595 M031595 M031595 M031595 M031595 0311212-	-10C MT.2003.1677.40 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28 MT.2003.1650.28	7440-38-2         7440-39-3         7440-43-9         7440-47-3         7439-92-1         7782-49-2         7440-22-4	Diesel Range Organics D10A/6010B ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium Silver 470A CVAA TCLP	ND ND 1.2 ND ND ND ND ND	mg / L mg / L mg / L mg / L mg / L mg / L mg / L	10 10 10 10 10 10 10 10	By: 0.2 0.1 0.02 0.02 0.05 0.05 0.04 By:		11-24-03 11-24-03 11-24-03 11-24-03 11-24-03 11-24-03	11-26-03 11-26-03 11-26-03 11-26-03 11-26-03 11-26-03

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## Assaigai Analytical Laboratories, Inc. Certificate of Analysis

	EDDIE SEAY CON EPI LANDFARM	ISULTING								
Order:	0311212 EDD	01 Rec	eipt: 11-12-03							
Sample:	CELL #11		Co	ellected: 11-11	-03 16:00:0	00 By: £	ES			
Matrix:	SOIL									
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code		Run Date
0311212-11	1A	SW846 5030A/8	015A 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
0311212-11	1.4	SW846 50304/8	021B Purgeable VOCs by GC				By:	JDR		
X03579	XG.2003.2123.20	71-43-2	Benzene	ND	mg / Kg	1	0.005	JUK	11-25-03	11-25-03
X03579	XG.2003.2123.20	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		11-25-03	
X03579	XG.2003.2123.20	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		11-25-03	
X03579	XG.2003.2123.20	108-38-	p/m-Xylenes	ND	mg / Kg	1	0.01		11-25-03	
X03579	XG.2003.2123.20	3/106-42	Toluene	ND		1	L		11-25-03	11-25-03
X035/9	XG.2003.2123.20	106-66-5	Toluene	ND	mg / Kg		0.005		11-25-03	11-20-03
0311212-11		SW846 ME/801	5A 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
0311212-11	1C	SW846 1311/30	10A/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
'031595	MT.2003.1650.29	7440-43-9	Cadmium	ND	mg/L	10	0.02		11-24-03	11-26-03
031595	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
0311212-1	10	SW846 1311/74	TOA CVAA TCLP				By:	DAH		
M031591	MT.2003.1630.30	7439-97-6	Mercury	ND	mg / L	1	0.0002	DAI	11-24-03	11-24-03
	111.2000.1000.00		wicrouty	NO	mg/L	· · ·	0.0002			
Sample:	CELL #12		Co	ollected: 11-1	1-03 16:30:0	00 By:	ES			
Matrix:	SOIL									
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code		Run Date
0244242 4	24	SW846 50304	RO15A GRO by GC/EID				By:	JDR		
0311212-1: X03578	XG.2003.2117.9	311040 3030A/	Gasoline Range Organics	ND	mg / Kg	1	0.25	JUR	11-25-03	11-25-03
		L			ing ing	'				
0311212-1			3021B Purgeable VOCs by GC	1		1 .	By:	JDR	44.05.05	44.05.0
X03579	XG.2003.2123.21	71-43-2	Benzene	ND	mg / Kg	1	0.005			11-25-0
X03579	XG.2003.2123.21	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005			11-25-0
X03579	XG.2003.2123.21	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		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	11-25-0
X03579	XG.2003.2123.21	108-88-3	Toluene	ND	mg / Kg	1	0.005		11-25-03	11-25-0
0311212-1	2A	SW846 ME/801	5A Diesel Range Organics b	y GC/FID			By:	JDR		
X03572	XG.2003.2115.11		Diesel Range Organics	ND	mg / Kg	1	25		11-24-03	11-24-0
						.L		KDW		
311212-1			D10A/6010B ICP TCLP	ND	ma /1	10	By:	KDW	12-01-03	12-02-0
.031614	MT.2003.1677.43	7440-38-2 7440-39-3	Arsenic Barium	ND	mg / L mg / L	10	0.2			3 11-26-0
M031595	MT.2003.1650.34		Danum		I IIIg / L	1.10	0.1			
Page 8 of				310221500XX		1	Report Da	te 12/	4/2003 9:	

Page 8 of 9

SQLCoyote: Reports 1.0.0310221500XX

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### Assaigai Analytical Laboratories, Inc. **Certificate of Analysis**

Order:	0311212 EDI	<b>D01</b> R	leceipt:	11-12-03							
Sample:	CELL #12		· · · · · · · · · · · · · · · · · · ·		Collected: 11-1	1-03 16:30:	00 By:	ES			
Matrix:	SOIL										
							Dilution	Detection		Prep	Run
QC Group	Run Sequence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0311212-1	12C	SW846 1311/	/3010A/6	010B ICP TCLP				By:	KDW		
M031595	MT.2003.1650.34	7440-43-9		Cadmium	ND	mg/L	10	0.02		11-24-03	11.
M031595	MT.2003.1650.34	7440-47-3		Chromium	ND	mg / L	10	0.02		11-24-03	11-
M031595	MT.2003.1650.34	7439-92-1		Lead	ND	mg / L	10	0.05		11-24-03	11
M031614	MT.2003.1677.43	7782-49-2		Selenium	ND	mg / L	10	0.05		12-01-03	12
M031595	MT.2003.1650.34	7440-22-4		Silver	ND	mg / L	10	0.04		11-24-03	11
0311212-1	12C	SW846 1311/	7470A C	VAA TCLP				By:	DAH		
M031591	MT.2003.1630.32	7439-97-6		Mercury	0.0005	mg/L	1	0.0002		11-24-03	11.
1				duplicate. Please note account when reviewir	that the recoveries we that the data.	re outside of	QC criteria, s	suggesting ma	trix		
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Page 9 of 9

1.0.0310221500XX SQLCoyote: Reports

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#### Page 86 of 356



# THE REPRODUCTION OF

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# FOLLOWING

**DOCUMENT (S)** 

# **CANNOT BE IMPROVED**

# **DUE TO**

# THE CONDITION OF

# THE ORIGINAL

**Released to Imaging:** 7/11/2025 1:50:26 PM

Received by OCD: 7/11/2025 1:45:11 PM				Page 87-of 356
Laudobepaus Karajansad N.E. Laudobepaus (305) 345-894 (305) 345-894 (315) 582-600 EL PASI GATE DATULE, 212-C (315) 582-600 EL PASI GATE DATULE, 212-C (315) 582-600 Seconds NEW WENCO F754 (305) 682-255 Gali feet and free and f			Received by: Signature Printed Company Reason	After analysis, samples are to be:           Disposed of (additional fee)           Stored (30 days max)           Stored over 30 days (additional fee)           Returned to customer
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Received by OCD: 7/11/2025 1:45:11 PM Page 88 of 356 LECEIVED NOV 1 8 2004 CIL CONSERVATION November 15, 2004 DIVISION 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, Eddin Whence Eddie W. Seay, Agent 601 W. Illinois Hobbs, NM 88242 (505)392-2236

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Reporting Date: 11/11/04					Sample Type				
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Project Name: EPI LANDFARM	M				Sample Rec				
Project Location: EUNICE, NM					Analyzed By				
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	TCLP	METALS							
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AB NO. SAMPLE ID	As	Ag	Ba	Cd	Cr	Pb	Hg	Se	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
NALYSIS DATE:	11/10/04	11/9/04	11/9/04	11/9/04	11/9/04	11/9/04	11/9/04 1	11/11/04	
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19323-2 CELL 2	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-3 CELL 3	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-4 CELL 4	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-5 CELL 5	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
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19323-7 CELL 7	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-8 CELL 8	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-9 CELL 9	<1	<1	<5	<0.1	<1	<1	< 0.02	<0.1	
19323-10 CELL 10	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-11 CELL 11	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-12 CELL 12	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
19323-13 CELL 13	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	8
Quality Control	0.051	4.928	23.58	1.113	4.857	5.339	0.0100	0.053	· · · ·
rue Value QC	0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.050	
6 Recovery Relative Standard Deviation	102	98.6	94.3	111	97.1	107	101	106	
telative Standard Deviation	0.8	0.6	5.6	2.6	3.4	1.8	1.0	1.4	
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PLEASE NOTE: Unbility and Damages. Cardinal's labitity and clears exclusive remedy for any claim ansing, when the based in contract of units of the solution to the applicable. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and incremed by Cardinal within thirty (30) days after completion of the applicable service. In on event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by cleint, 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.

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† Cardinal canno	Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sampler Relinduished:	PLEASE HOTE: Liastey and Danagak Caron analyses. All dains inkluding those for negliger sarvice. In no event shall Carolinal be lable for sarvice.		-12	11-56641	LAB I.D.	FOR LAB USE ONLY	Sin C	Project #: E PU	Fax# 2- 6	e #	City: What	Address: 501	Project Manager: Ed	ARDIN
Cardinal cannot accept verbal changes. Please fax written changes to 915-873-7020	Time:	Date:	rdnare sabaty and or gence and any other for incidential or cons	6.04 13	500 12	( NO 11	Sample I.D.		ine AM	Project Owner:	040	236	State: NM Zip:	w Illinois	A.C.	ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79803 (915) 673-7001 Fax (915) 673-7020
s. Please fax writte	25:25	N S Received By:	ests escuedarm renewy ar ary cann anawy invarian search in contract or sint, small per limited to be invertigited or of the table designed fundational per cares for an cause whatsover, including without antipation, business interruptions, bes of uses of profits incurred by dert, its subsidiaries and exclused how order for fundational antipations for whatse such table is based and any of the shows and resolve or offered			E	(GRABOR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	MA		Four , KATE			Torn all	1	- Cons willy	ORIES, INC. lene, TX 79803 (915) 673-7020
n changes to 915-8	By: (Lab St Nondition	d By:	niverse nade in writing and receiver, please made in writing and receiver, business interruptions, loss of t				OIL SLUDGE OTHER : ACID: ICE / COOL	MATRIX PRES.	Fax #	State:	city:	Address:	Attn:	Company:	BHI TO	101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476
73-7020.	an) CHECKED BY: (Initials)		, sivel be arrive to the arrows, ad by Cardinal within 30 days ( ase, or loss of profits incurred at income of the above state			5	OTHER : DATE	SAMPLING		-State	an				0 Po#	4, Hobbs, NM 8 ax (505) 393-24
		Phone Result  Yes Fax Result Yes				1 1 1	BTEX TDH	<u> </u>		215	)					CHA
-		D No Additional Fax #		Ľ			TCLR		m	at.					ANALYSIS	OF-CUSTO
	•	ax #:	the and Concentrations, intervent of lays past due at the rate of 241 rail costs of collections, include												YSIS REQUEST	DY AND AN
	ì		1 entries and conceasivity, statutes was an entrupted on the account and interval 30 days paint due at the rate of 24% pair annum from the original data of involce and all costs of collections, including attorney's free.												ST	IN-OF-CUSTODY AND ANALYSIS REQUESI
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### Received by OCD: 7/11/2025 1:45:11 PM-

### Page 91 of 356

Released to Imaging: 7/11/2025 1:50:26 PM

Received by OCD: 7/11/2025 1:45:11 PM June 20, 2005 NMOCD Environmental ATTN: Ed Martin Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504 RE: EPI Landfarm Quarterly Samples NMOCD Environmental

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 Received by OCD: 7/11/2025 1:45:11 PM



PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

			TN: EDDIE SEA 1 WEST ILLINO			
		HC	BBS, NM 88242	2		
Receiving Dat	e: 5/26/2005				ampling Date: 5/25/20	05
Reporting Date	e: 5/31/2005				ample Type: SOIL	
Project Numb	er: EPI LAND FAR	M			ample Condition: COC	
Project Name:	EPI LAND FARM	QUARTERLY			ample Received By: 1	NF
Project Location				A	nalyzed By: JD	
•						
						TOTAL
AB NUMBER	SAMPLE ID	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DA	ATE:	5/31/05	5/31/05	5/31/05	5/31/05	5/31/05
19822-1	CELL #1	<.002	<.002	<.002	<.002	<.006
19822-2	CELL #2	<.002	<.002	<.002	<.002	<.006
19822-3	CELL #3	<.002	<.002	<.002	<.002	<.006
19822-4	CELL #4	<.002	<.002	<.002	<.002	<.006
H9822-5	CELL #5	<.002	<.002	<.002	<.002	<.006
19822-6	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
	CELL #13	<.002	<.002	<.002	<.002	<.006
			0.098	0.094	0.094	0.274
H9822-13	bl	0.101	0.098	0.004		
H9822-13 Quality Contro		0.101	0.100	0.100	0.100	0.300
H9822-13 Quality Contro True Value Q % Recovery						

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

nnelle hemist

5/21 2005

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PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

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

		ANALYTICAL RE		ł	
		EDDIE SEAY CO			
		ATTN: EDDIE S			
		601 W. ILLINOIS			
		HOBBS, NM 88			
		FAX TO: (505) 3			
	g Date: 05/26/05			ampling Date: 05/25	05
	g Date: 06/04/05			Sample Type: SOIL	OL & INTACT
	Owner: C. BETTIS			Sample Condition: CC	
	Name: EPI LAND			analyzed By: BC	INF .
Project L	ocation: EUNICE	, NM	~	maryzed by. bC	
		×	GRO	DRO	
			(C6-C10)	(>C10-C28)	
	LAB NUMBER	SAMPLEID	(mg/Kg)	(mg/Kg)	
	LAD NUMBER	SAMFLEID	(119/13)	(119/13)	
Г	ANALYSIS DAT	E:	06/03/05	06/03/05	
F	H9822-1	CELL 1	<10.0	<10.0	
t	H9822-2	CELL 2	<10.0	<10.0	
	H9822-3	CELL 3	<10.0	<10.0	
	H9822-4	CELL 4	<10.0	<10.0	
F	H9822-5	CELL 5	<10.0	<10.0	
T T	H9822-6	CELL 6	<10.0	<10.0	
T	H9822-7	CELL 7	<10.0	<10.0	*
T	H9822-8	CELL 8	<10.0	<10.0	
	H9822-9	CELL 9	<10.0	<10.0	
	H9822-10	CELL 10	<10.0	<10.0	
Γ	H9822-11	CELL 11	<10.0	<10.0	
ľ	H9822-12	CELL 12	<10.0	<10.0	
ſ	H9822-13	CELL 13	<10.0	<10.0	
-			765	740	
	Quality Control		798	746	
-	True Value QC		800	800	
	% Recovery		99.7	93.3	
L	Relative Percer	nt Difference	0.8	<0.1	

METHOD: SW-846 8015 M

H9822.XLS

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614/05

Date

	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	Page 1_ of 2_	ANALYSIS REQUEST					25					EX	IU										Yernes and Conditioners, interests will be charged on all accounts more than 30 days parts due at the rate of 24% per annum from the original date of involce, and all costs of collections, heliciting attorney's fees.	CI Yes CI No				
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		ast Marland, Hobbs, NM 88240 393-2326 Fax (606) 393-2476			Company:		7:888			.# 0		PRESERV.		CE / COO		7			> ?	> >	2	-	2	in contract or tort, shall be limited to the amount paid by at received by Cardinal within 30 days after completion of the lose of use, or lose of profile licured by client, its subsidiaria	m is based upon any of the above stated reasons or ofter d By:		V	Checked By: (Initials)	
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		ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 (325) 673-7001 Fax (325) 673-7020	The Sand		oie.	State: NW	Fax #:	Project Owner:	watel	-			5	į										y Cla Wahn	1	Time: /9 . m	,	-	4 Condition control scored channes. Blassa far written channes to (225) 672-7030
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1		X	Company Name:	Project Manager:	3				Project Name:	Project Location:	mpler Name:	FOR LAB USE ONLY	6	į						1	ľ		0-	E: Liability and taims including th word shall card	Relln	1	Pena	Delivered By: Sampler - UPS	albad
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-Received by OCD: 7/11/2025 1:45:11 PM

Page 96 of 356

1



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



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

Method EPA 552.2Haloacetic Acids (HAA-5)Method EPA 524.2Total Trihalomethanes (TTHM) Method EPA524.4Regulated 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. Keine

Celey D. Keene

#### Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keine





Environmental Plus, Inc.

Analytical Results For:

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

Lab Director/Quality Manager

Fax To: (505) 394-2601

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

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

BTEX 8021B	mg/	'kg	Analyze	d 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	Analyze	d 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	Analyze	d 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	% 37.6-14	7						
		Fax	To: (505)	394-2601					

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\*=Accredited Analyte

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Celeg D. Keine



#### 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

Dessived	11/20/2010
Received:	11/30/2018
Reported:	12/06/2018
Project Name:	TREATMENT ZONE SAMPLING
Project Number:	20181130TZ
Project Location:	EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

229

115

ND

ND

11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

45.4

16.6

91.1 %

105 %

10.0

10.0

41-142

37.6-147

Fax To:

BTEX 8021B	mg/kg		Analyze	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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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		Analyzee	d 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	

12/04/2018

12/04/2018

DRO >C10-C28\*

EXT DRO >C28-C36

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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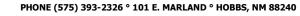
(505) 394-2601

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

200

1.21





Environmental Plus, Inc.

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

Received: 11/30/2018 Reported: 12/06/2018 TREATMENT ZONE SAMPLING Project Name: Project Number: 20181130TZ Project Location: **EPI LANDFARM** 

Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyze	d 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	
ТРН 8015М	mg/	kg	Analyze	d 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 9	37.6-142	7						

> Fax To: (505) 394-2601

#### Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keine



#### 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:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

65.4

54.1

84.5 %

94.8 %

10.0

10.0

41-142

37.6-147 Fax To: Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

229

ND

ND

115

11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	

12/04/2018

12/04/2018

#### Cardinal Laboratories

DRO >C10-C28\*

EXT DRO >C28-C36

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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(505) 394-2601

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

200

1.21



#### 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:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	kg	Analyze	d 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 %	6 73.3-129	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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/k	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 %	6 41-142	1						
Surrogate: 1-Chlorooctadecane	98.8 %	37.6-14	7						
		Fax	To: (505)	394-2601					

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\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 7/11/2025 1:50:26 PM





Environmental Plus, Inc.

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

Received:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	kg	Analyze	d 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 (PII	94.9%	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	
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 %	6 41-142							
Surrogate: 1-Chlorooctadecane	104 %	37.6-14	7						

Fax To: (505) 394-2601

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\*=Accredited Analyte

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Celeg D. Keine



#### 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:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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 9	% 37.6-142	7						

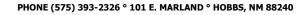
Fax To: (505) 394-2601

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Environmental Plus, Inc.

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

Received:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/kg		Analyze	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 9	% 73.3-12	9						
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	Analyze	d By: MS					

	5,	5							
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 %	6 41-142	1						
Surrogate: 1-Chlorooctadecane	106 %	37.6-14	7						

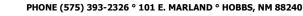
Fax To: (505) 394-2601

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Environmental Plus, Inc.

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

Received:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

<10.0

<10.0

<10.0

90.4 %

102 %

10.0

10.0

10.0

41-142

37.6-147 Fax To: Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/kg		Analyze	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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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

12/04/2018

12/04/2018

12/04/2018

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GRO C6-C10\*

DRO >C10-C28\*

EXT DRO >C28-C36

Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane

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ND

ND

ND

217

229

108

115

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

200

200

2.20

1.21





Environmental Plus, Inc.

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

Received:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B Analyte	mg/kg		Analyzed By: ms				-		
	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

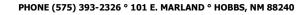
Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: AC						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/03/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	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	1						
Surrogate: 1-Chlorooctadecane	110 9	% 37.6-14	7						
		Fax	To: (505)	394-2601					

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Celeg D. Keine





Environmental Plus, Inc.

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

Received: 11/30/2018 Reported: 12/06/2018 TREATMENT ZONE SAMPLING Project Name: Project Number: 20181130TZ Project Location: **EPI LANDFARM** 

Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

11/30/2018 Soil \*\* (See Notes) Celey D. Keene

### 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%	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/l	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 % Surrogate: 1-Chlorooctadecane 102 % 37.6-147

> Fax To: (505) 394-2601

41-142

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\*=Accredited Analyte

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Celey D. Keine





#### **Analytical Results For:**

Environmental Plus, Inc.

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

Received:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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					

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	2						
Surrogate: 1-Chlorooctadecane	79.2	% 37.6-14	7						
		Fax	To: (505)	394-2601					

#### Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

<10.0

<10.0

<10.0

88.8 %

99.6 %

10.0

10.0

10.0

41-142

37.6-147 Fax To: Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

12/04/2018

12/04/2018

12/04/2018

#### Cardinal Laboratories

GRO C6-C10\*

DRO >C10-C28\*

EXT DRO >C28-C36

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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(505) 394-2601

ND

ND

ND

217

229

108

115

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

200

200

2.20

1.21



#### 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:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

Sampling Date: Sampling Type: Sampling Condition: Sample Received By: 11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 73.3-129	)						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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					

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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:11/30/2018Reported:12/06/2018Project Name:TREATMENT ZONE SAMPLINGProject Number:20181130TZProject Location:EPI LANDFARM

<10.0

<10.0

93.9%

104 %

10.0

10.0

41-142

37.6-147

Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

229

115

ND

ND

11/30/2018 Soil \*\* (See Notes) Celey D. Keene

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	

12/04/2018

12/04/2018

#### Cardinal Laboratories

DRO >C10-C28\*

EXT DRO >C28-C36

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

200

1.21

Environmental Plus, Inc. Landfarm Minor Modification and Closure Plan Permit #NM-1-013

### XXV. NOTES AND DEFINITIONS

limit

- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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PLASE NOTE: Liability and Damages. Cardinal's labelity and chert's analysis at any other cares writerover shall be deemed to any other cares writerover shall be deemed to any other cares writerover and the deemed to any other cares writerover any other cares writerover and the deemed to any other cares writerover and the deemed to any other cares writerover any other any other cares writerover and the deemed to any other cares writerover and the deemed to any other any ot		101 East Marland, Hobbs, NM 88240
Transfer to any dam anisory value to contract or both called be transfer to the activity the class to the element waved unless much to withing part received by Caudinal within 30 days after completion of the applicable or the ap	BILL TO # CONTAINERS GROUNDWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER MATRX Phone Phon	CHAIN-OF-CUSTODY AND
27No Add' Phone #: D-No Add' Fax #: (7) (2) MSC, Com	ANALYSIS REQUEST	DY AND ANALYSIS REQUEST

e 18 of 19 Page 19 of 19

3

PZJ2

*Received by OCD: 7/11/2025 1:45:11 PM* 

*Received by OCD: 7/11/2025 1:45:11 PM* 

HALL ENVIRONMENTAL ANALYSIS LABORATORY

March 14, 2019 Pat McCasland Environmental Plus, Inc PO Box 1558 Eunice, NM 88231 TEL: (575) 631-1667 FAX

RE: EPI Landfarm Dear Pat McCasland:

OrderNo.: 1903424

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	s Laboratory,	Inc.		Dat	te Reported: 3/14/2019				
CLIENT: Environmental Plus, Inc		Client	Sample ID	:20190	307EPIC1TZ				
Project: EPI Landfarm		Colle	ection Date	:3/7/20	19 9:16:00 AM				
ab ID: 1903424-001	Matrix: SOIL	Rec	Received Date: 3/8/2019 8:45:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: Irm				
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				
PA METHOD 8015D: GASOLINE RANG	E				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				
PA METHOD 8021B: VOLATILES					Analyst: NSE				
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				
PA 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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc Project: EPI Landfarm			nt Sample ID ollection Date		307EPIC2TZ 19 9:36:00 AM
Lab ID: 1903424-002	Matrix: SOIL				19 8:45:00 AM
Analyses	Result	RL (	Qual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: Irm
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 EPA METHOD 8015D: GASOLINE RANGE	0	70-130	S %Rec	10	3/13/2019 12:10:19 PM Analyst: <b>NSB</b>
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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 19 $$
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	w s	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client	Sample ID	:20190	307EPIC3TZ	
Project: EPI Landfarm	Collection Date: 3/7/2019 9:50:00 AM					
Lab ID: 1903424-003	Matrix: SOIL	Ree	ceived Date	<b>:</b> 3/8/20	19 8:45:00 AM	
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm	
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 RANG	GE				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: <b>NSB</b>	
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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client	Sample ID	:20190	307EPIC4TZ	
Project: EPI Landfarm		Collection Date:3/7/2019 10:00:00 AM				
Lab ID: 1903424-004	Matrix: SOIL	Ree	ceived Date	<b>:</b> 3/8/20	19 8:45:00 AM	
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm	
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 RANG	GE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT:	Environmental Plus, Inc		Client Sample ID:20190307EPIC5TZ					
Project:	EPI Landfarm	Collection Date: 3/7/2019 10:10:00 AM						
Lab ID:	1903424-005	Matrix: SOIL	Ree	ceived Date	:3/8/20	19 8:45:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA METH	OD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm		
Diesel Ran	ge Organics (DRO)	62	9.7	mg/Kg	1	3/12/2019 6:01:32 PM		
Motor Oil R	Range Organics (MRO)	260	49	mg/Kg	1	3/12/2019 6:01:32 PM		
Surr: DN	IOP	96.1	70-130	%Rec	1	3/12/2019 6:01:32 PM		
EPA METH	OD 8015D: GASOLINE RAN	GE				Analyst: NSB		
Gasoline R	ange Organics (GRO)	ND	4.8	mg/Kg	1	3/12/2019 7:42:27 PM		
Surr: BF	В	91.1	73.8-119	%Rec	1	3/12/2019 7:42:27 PM		
EPA METH	OD 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		
Ethylbenze	ne	ND	0.048	mg/Kg	1	3/12/2019 7:42:27 PM		
Xylenes, To	otal	ND	0.097	mg/Kg	1	3/12/2019 7:42:27 PM		
Surr: 4-E	Bromofluorobenzene	94.3	80-120	%Rec	1	3/12/2019 7:42:27 PM		
EPA METH	OD 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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

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Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client Sample ID:20190307EPIC6TZ					
Project: EPI Landfarm		Collection Date: 3/7/2019 10:20:00 AM					
Lab ID: 1903424-006	Matrix: SOIL	Ree	ceived Date	:3/8/20	019 8:45:00 AM		
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: Irm		
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 RA	ANGE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client	Sample ID	:20190	307EPIC7TZ	
Project: EPI Landfarm	Collection Date: 3/7/2019 10:40:00 AM					
Lab ID: 1903424-007	Matrix: SOIL	Ree	ceived Date	:3/8/20	019 8:45:00 AM	
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm	
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 RANG	GE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 7 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc	Client Sample ID:20190307EPIC8TZ					
Project: EPI Landfarm	Collection Date:3/7/2019 10:45:00 AM					
Lab ID: 1903424-008	Matrix: SOIL	Ree	ceived Date	:3/8/20	19 8:45:00 AM	
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm	
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 RAN	GE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 8 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, In	c	Client Sample ID:20190307EPIC9TZ						
Project: EPI Landfarm		Collection Date: 3/7/2019 10:50:00 AM						
Lab ID: 1903424-009	Matrix: SOIL	Ree	ceived Date	:3/8/20	19 8:45:00 AM			
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL	RANGE ORGANICS				Analyst: Irm			
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: GASOLIN	E 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: VOLATILI	ES				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 9 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client Sample ID:20190307EPIC10TZ					
Project: EPI Landfarm	Collection Date: 3/7/2019 11:00:00 AM						
Lab ID: 1903424-010	Matrix: SOIL	Ree	ceived Date	<b>:</b> 3/8/20	19 8:45:00 AM		
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: Irm		
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 RAM	NGE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 10 of 19
	ND	Not Detected at the Reporting Limit	Р	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

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client Sample ID:20190307EPIC11TZ					
Project: EPI Landfarm	Collection Date: 3/7/2019 11:15:00 AM						
Lab ID: 1903424-011	Matrix: SOIL	Ree	ceived Date	<b>:</b> 3/8/20	019 8:45:00 AM		
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: Irm		
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 RA	NGE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 19
	ND	Not Detected at the Reporting Limit	Р	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

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client Sample ID:20190307EPIC12TZ				
Project: EPI Landfarm	Collection Date: 3/7/2019 11:20:00 AM					
Lab ID: 1903424-012	Matrix: SOIL	Ree	ceived Date	:3/8/20	19 8:45:00 AM	
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: Irm	
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 RAN	IGE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 12 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	WS	Sample container temperature is out of limit as specified

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Lab Order 1903424

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client Sample ID:20190307EPIC13TZ					
Project: EPI Landfarm	Collection Date: 3/7/2019 11:25:00 AM						
Lab ID: 1903424-013	Matrix: SOIL	Ree	eived Date	:3/8/20	019 8:45:00 AM		
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm		
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 RANG	GE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 13 of 19
	ND	Not Detected at the Reporting Limit	Р	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

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client Sample ID:20190307EPIC14TZ				
Project: EPI Landfarm	Collection Date: 3/7/2019 11:30:00 AN					
Lab ID: 1903424-014	Matrix: SOIL	Ree	ceived Date	<b>:</b> 3/8/20	19 8:45:00 AM	
Analyses	Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: Irm	
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 RANG	GE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 14 of 19
	ND	Not Detected at the Reporting Limit	Р	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

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2019

CLIENT: Environmental Plus, Inc		Client	Sample ID	:20190	307EPIC15TZ				
Project: EPI Landfarm		Coll	ection Date	:3/7/20	19 11:35:00 AM				
Lab ID: 1903424-015	Matrix: SOIL	<b>Received Date:</b> 3/8/2019 8:45:00 AM							
Analyses	Result	Result RL Qual Units		DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: <b>Irm</b>				
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 RAN	IGE				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.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 15 of 19
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W S	Sample container temperature is out of limit as specified

Client:	Enviror	nmental Plus	, Inc										
Project:	EPI Lar	ndfarm											
Sample ID	MB-43634	SampT	ype: MBI	_K	Tes	tCode: EF	PA Method	300.0: Anion	6				
Client ID: PBS Batch ID: 43634					F	RunNo: <b>58294</b>							
Prep Date:	3/12/2019	Analysis D	ate: 3/1	2/2019	\$	SeqNo: 19	956171	Units: <b>mg/K</b>	g				
Analyte		Result	PQL	SPK value S	SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride		ND	1.5										
Sample ID	LCS-43634	SampT	ype: LCS	;	Tes	TestCode: EPA Method 300.0: Anions							
Client ID:	LCSS	Batch	n ID: <b>436</b> 3	4	F	RunNo: <b>58</b>	294						
Prep Date:	3/12/2019	Analysis D	ate: 3/1	2/2019	5	SeqNo: 19	956172	Units: <b>mg/K</b>	g				
Analyte		Result	PQL	SPK value S	SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride		14	1.5	15.00	0	93.9	90	110					

Qualifiers:

Quali	ifiers:		
*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
н	Holding times for preparation or analysis exceeded J		Analyte detected below quantitation limits Page 16 of 19 ND Not Detected
at th	e 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

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1903424

14-Mar-19

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Environm	nental Plus,	Inc								
Project:	EPI Land	farm									
Sample ID:	LCS-43617	SampTy	pe: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: <b>4361</b>	7	RunNo: <b>58283</b>						
Prep Date:	3/11/2019	Analysis Da	ate: <b>3/1</b> 2	2/2019	S	SeqNo: 19	955417	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value S	SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	e Organics (DRO)	51	10	50.00	0	102	63.9	124			
Surr: DNO	P	5.2		5.000		103	70	130			
Sample ID:	MB-43617	SampTy	/pe: MBL	K	Tes	tCode: EF	A Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: <b>4361</b>	7	F	unNo: <b>58</b>	283				
Prep Date:	3/11/2019	Analysis Da	ate: 3/1	2/2019	ç	SeqNo: 19	955418	Units: <b>mg/K</b>	g		
Prep Date: Analyte	3/11/2019	Analysis Da Result	ate: <b>3/1</b> : PQL	SPK value S		•	55418 LowLimit	Units: <b>mg/K</b> HighLimit	9 %RPD	RPDLimit	Qual
Diesel Range	3/11/2019 e Organics (DRO) nge Organics (MRO	Result				•		•	-	RPDLimit	Qual

#### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
н	Holding times for preparation or analysis exceeded J		Analyte detected below quantitation limits Page 17 of 19 ND Not Detected
at th	e 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

### Released to Imaging: 7/11/2025 1:50:26 PM

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14-Mar-19

1903424

WO#:

**Project:** 

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc. Client:

Environmental Plus, Inc

**EPI** Landfarm

Sample ID: MB-43586	Samp	Гуре: <b>МВІ</b>	_K	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: <b>4358</b>	36	F	RunNo: <b>58</b>	288				
Prep Date: 3/8/2019	Analysis E	Date: 3/1	2/2019	:	SeqNo: 19	955663	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	e SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: MB-43586	Samp	Гуре: <b>МВІ</b>	_K	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: <b>4358</b>	36	F	RunNo: <b>58</b>	288				
Prep Date: 3/8/2019	Analysis E	Date: 3/1	2/2019	:	SeqNo: 19	955699	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	e SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO Surr: BFB	) ND 950	5.0	1000		95.5	73.8	119			
Sample ID: LCS-43586	Samp	Гуре: <b>LCS</b>	5	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: <b>4358</b>	36	F	RunNo: <b>58</b>	288				
Prep Date: 3/8/2019	Analysis E	Date: 3/1	2/2019	:	SeqNo: 19	955664	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	e SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO Surr: BFB	9) 26 1100	5.0	25.00 1000	0	103 107	80.1 73.8	123 119			
Sample ID: 1903424-001AMS	Samp	Гуре: <b>МS</b>		Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: 20190307EPIC1T2	Z Batc	h ID: <b>4358</b>	36	F	RunNo: <b>58</b>	288				
Prep Date: 3/8/2019	Analysis E	Date: 3/1	2/2019	:	SeqNo: 19	955666	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	e SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO Surr: BFB	) 24 1000	4.8	24.20 968.1	0	98.4 106	69.1 73.8	142 119			
Sample ID: 1903424-001AMSE	) Samp	Гуре: <b>МSI</b>	)	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: 20190307EPIC1T	Z Batc	h ID: <b>4358</b>	36	F	RunNo: <b>58</b>	288				
Prep Date: 3/8/2019	Analysis E	Date: 3/1	2/2019	:	SeqNo: 19	955667	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	e SPK Ref√al	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO Surr: BFB	9) 26 1100	4.8	23.92 956.9	0	110 110	69.1 73.8	142 119	10.2 0	20 0	
Qualifiers:										
<ul> <li>Value exceeds Maximum Co</li> <li>Comple Diluted Due to Mat</li> </ul>		Level.					ted Method Bla	ank		
D Sample Diluted Due to Mat		dunic er er	dod '		•	itation range		0 10 of 1		at a -l
H Holding times for prepar				Analyte de	etected be	low quantital	tion limits Pag	e 18 of 19	9 ND Not Dete	cted
	San	nple pH No	it in Range							
at the Reporting Limit P PQL Practical Quanitative Limit				RL Reporti	ng Detectio	on limit				

14-Mar-19

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QC SUMMARY REPORT wo#:							
Hall Envi	Hall Environmental Analysis Laboratory, Inc.						
Client:	Environmental Plus, Inc						
Project:	EPI Landfarm						

Sample ID: 1	903424-002AMSD	SampT	ype: MSD	)	Tes						
Client ID:	20190307EPIC2TZ	Batcl	h ID: <b>4358</b>	6	F	RunNo: <b>58</b>	288				
Prep Date:	3/8/2019	Analysis E	Date: 3/1	2/2019	S	SeqNo: 19	955704	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref√al	%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	I	2.8	0.097	2.918	0	95.2	71.8	131	0.622	20	

#### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
н	Holding times for preparation or analysis exceeded J		Analyte detected below quantitation limits Page 19 of 19 ND Not Detected
at th	e 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 Hall Environmental Analysis Laboratory, Inc.

Hall Environn	Hall Environmental Analysis Laboratory, Inc.												
Client: En	Environmental Plus, Inc EPI Landfarm												
Project: EF													
Surr: 4-Bromofluorobe	enzene	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-Bromofluorobe	enzene	1.0		1.000	100	80	120						

Sample ID: LCS-43586	SampT	Type: LCS		Tes	tCode: EF							
Client ID: LCSS	Batcl	h ID: <b>4358</b>	6	F	RunNo: 58288							
Prep Date: 3/8/2019	Analysis E	Date: 3/1	2/2019	S	SeqNo: 19	955700	Units: <b>mg/K</b>	g				
Analyte	Result	PQL	SPK value SF	PK Ref√al	%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	SampT	ype: <b>MS</b>		Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID:	20190307EPIC2TZ	Batch	ID: <b>4358</b>	86	F	RunNo: <b>58</b>	288				
Prep Date:	3/8/2019	Analysis D	ate: 3/1	2/2019	S	SeqNo: 19	55703	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref√al	%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			
Ethylbenzen	e	0.93	0.047	0.9381	0	99.0	71	132			

#### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
н	Holding times for preparation or analysis exceeded J		Analyte detected below quantitation limits Page 20 of 19 ND Not Detected
at th	e 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

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1903424

WO#:

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1903424

WO#:

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

Hall Envir	ronmental	Anal	ysis La	boratory	v, Inc.				14	-Mar-19
Client: Project:	Environme EPI Landfa		s, Inc							
Xylenes, Total		2.8	0.094	2.814	0	99.3	71.8	131		
Surr: 4-Bromol	fluorobenzene	0.95		0.9381		102	80	120		

#### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
Н	Holding times for preparation or analysis exceeded J		Analyte detected below quantitation limits Page 21 of 19 ND Not Detected
at th	e 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

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ANAL	CONMENT YSIS RATORY	AL	TE	ll Environmental Albi L: 505-345-3975 Website: www.ha	490 iquera FAX:	01 Hawkin que, NM 8 505-345-	s NE 7109 4107	San	nple Log-In C	heck List
Client Name:	ENVIRON	MENTAL PLU	J <b>S</b> Work	Order Number	190	3424			RcptNo.	1
Received By:	Isaiah Ort	tiz	3/8/201	9 8:45:00 AM			I	~0	24	
Completed By:	Victoria Z	ellar	3/8/201	9 11:04:01 AM			Victor	ia Bel	llar 1 ) A	. ~
Reviewed By:	Thun 3	8.19							labeled	by 3/8)
Chain of Cus	tody									a 1.4
1. Is Chain of C	ustody comp	lete?			Yes		No		Not Present	
2. How was the	sample deliv	rered?			Cou	rier				
Log In										
<ol><li>Was an atten</li></ol>	npt made to c	cool the samp	les?		Yes		No		NA 🗌	
4. Were all sam	ples received	l at a tempera	iture of >0° C	to 6.0°C	Yes	☑	No		NA 🗆	
5. Sample(s) in	proper conta	iner(s)?			Yes	V	No			
6, Sufficient sam			one of the second		Yes		No			
7. Are samples (	except VOA	and ONG) pr	operly preserve	ed?	Yes		No			
8. Was preserva	tive added to	bottles?			Yes		No		NA 🗌	
9. VOA vials hav	e zero heads	space?			Yes		No		No VOA Vials 🗹	-
0, Were any sar	nple containe	ers received b	roken?		Yes		No	₽.	t of preserved bottles checked	3/8/19
1. Does paperwo (Note discreps			)		Yes		No		for pH:	>12 unless noted)
2. Are matrices of	correctly iden	tified on Chai	n of Custody?		Yes	~	No		Adjusted?	
3. Is it clear wha	t analyses we	ere requested	17		Yes	$\checkmark$	No			
<ol> <li>Were all holdi (If no. notify cl</li> </ol>			li i		Yes		No		Checked by:	
Special Handl	ing (if app	licable)								
15. Was client no	tified of all di	iscrepancies	with this order?	•	Yes		No		NA 🗹	
Person	Notified:	[		Date			-	-		
By Who Regard	20.55			Via:	] eM	ail 🗌 P	hone [	Fax	In Person	
Client I	nstructions:	[			-					
16. Additional re	marks:									
17. <u>Cooler Infor</u>	Contraction of the second second	0.1							r.	
Cooler No 1	Temp °C 1.3	Condition Good	Seal Intact Yes	Seal No S	eal D	ate	Signed	Ву		
15/	12680		1.44						8	

Page 1 of 1

Consistencies     Time Account Time:       Matrix fills     Time Account Time:       Matrix fills     Time Account Time:       Matrix fills     Fills       Matrix fi			En	vir	onr	ne				SIS	5 L		orato	ry,								Date	Repo			8/202	0	
Iurn-Around Time:     Iurn-Around Time:       Project Name:     Project Name:       Project Name:     Project Managor:       Project Managor:     Project Managor:<	LNAMNO	ABORAT	al.com	e, NM 87109	345-4107	iest	(104	əsdA\Jr		<b>У</b> г ча)	neg Tu	iojijo	Dotal Co												>			
Iurn-Around Time:     Iurn-Around Time:       Project Name:     Project Name:       Project Name:     Project Managor:       Project Managor:     Project Managor:<	VIR	SL	nmenta	nerque	505-3	s Requ	_			(AC																		
Turn-Around Time:     Imm-Around Time:       Project Name:     Project Name:       Project Name:	EN	ΥSI	lenviro		Fax	nalysi	*08	6 '⁺Od	10 <sup>5'</sup>	4			111.111.011.011				0							-	-			
Turn-Around Time:     Inn-Around Time:       Project Name:     Project Name:       Project Name:     Project Managor:       Project Managor:     Project Managor: </td <td>LL</td> <td>IAL</td> <td>w.hall</td> <td>- AN</td> <td>3975</td> <td>Ā</td> <td></td>	LL	IAL	w.hall	- AN	3975	Ā																						
Turn-Around Time:         Implete the standard         Project Name:         Project Name:         Project Manager:         Project Temp/reversiogram         Pare         Pare         Pare         Pare <td>HA</td> <td>AN</td> <td>WW</td> <td>wkins</td> <td>-345-3</td> <td></td> <td></td> <td>SMISC</td> <td>1.000</td> <td>26</td> <td>1999</td> <td>032</td> <td>1912 N 1918 N 1918</td> <td></td> <td></td> <td>1</td> <td></td>	HA	AN	WW	wkins	-345-3			SMISC	1.000	26	1999	032	1912 N 1918 N 1918			1												
Turn-Around Time:         Froject Name:         Project Name:         Project Manager:		Π		OT Hav	I. 505		12	PCB's	0.000		0.12	23.01	24.3 26.46				-		1	_		_				14		
Turn-Around Time:       Existandard     Rush       Project Name:     Rush       Project Manager:     Project Manager:       Project Manager:     Prof       Prof     Prof       Prof     Prof       Prof     Prof       Prof     Prof       Prof     Prof       Prof     Prof       Prof <td< td=""><td></td><td></td><td></td><td>49(</td><td>Te</td><td></td><td>- 200.000</td><td>082545 0201546</td><td>00-02-02</td><td>1.003</td><td>10110</td><td>0.050.0</td><td>New Service of the</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>marks</td><td></td><td></td></td<>				49(	Te		- 200.000	082545 0201546	00-02-02	1.003	10110	0.050.0	New Service of the													marks		
Turn-Around Time:       Image: Standard Free Free Free Free Standard Free Free Free Free Free Free Free Fr		1		-			(1)	208) s'	I MB		38 	TM	X TEX /	_	_	_	_			e		-	-	-		Re	ar	
Turn-Around Time:       Froject Name:       Project Name:       Project Manager:       Project H:       Project Manager:       Project Warnager:													.oN													a l	S S	2
Turn-Around Time: Edited and and Rush Project Name: Project Manager: Project Manager: Sampler: Sampler: Sampler: Container Type and # Type Type and # Type Received by: Received by: Received by: National Sampler: National Sampl				W				ave		ON D		1.3°C	1905494	100-	C00_	-003	-00H	-005	-000	-00-	-008	-000	019-	NUU-	210-	2 Pales	JUNI Date	-
	Time:		ы.	LANDFAR			:Joer:	MCPASI		E Yes	1	)(nouding CF); /	Preservative Type	Ics	1	_			/	_	_				7	the second	Via	-
		-	Project Nam	EPT	Project #:		Project Mana	Par	Sampler:	On Ice:	# af Coolers:	Cooler Temp	Container Type and #	402 1		_									2	Received by	Bacalonda	. Lauren
ain-of-Custody I       N// Ron/ns A/ Au       Y: SHERY M/1       State       Y: SHERY M/1       State       Y: SHERY M/1       State       State       State       Y: Sample N       Matrix Sample N       Y: Sample N    <	Record	Thus Inc.	S.R.	58	73/	2	10 m50. Com	Full Validation)					ame	2EPECITZ	EPTC3TZ	EPICOTA	EPT CHTZ	80205 TZ	PICTZ	国中ロントズ	EPECS.TZ	EPICY TZ	EPECIOTZ	EPECIITZ	EPECIATZ	11	Z	~
ain-of-Caline Alter Ship	ustody	MERIAL	RY MILL	X	2	N	22000-6	🗆 Level 4 (	Compliance	er					2019030	30190207	20190307	201903170	2019 13676	A01903072	20190307	20190307	20190307	20190307	COEDINGS	shed by:		
ain air	of-0	Ren	SHEK	PC	3	m	MCCO		D AZ (	D Oth			Matrix	So.	-	_	-	-	_	_				-	う	Relinqui	Polingi I	00
	ain	Whi	1:4	dress	in/ir	3	:#x#:	ckage:	non:	(1)	Type)_		1.020	11:6	11:36	1:50	10:00	0:0	0:30	04:0	0:45	0:20	1:00	1:15	1.00		D.	

Constrained and constrained a	]	Hall E	nv	vir	on	me	enta	al Ar	aly	sis	s L	Lab	orato	ry,	Inc				Date	Repor	ted: 1/2	28/2020	
Turn-Around Time:     Turn-Around Time:       Project Name:     EWN: Annual Time:       Project Name:     EWN: Annual Time:       Project Manager:     Project Manager:       Projec		ENVIR YSIS L	www.hallenvironmental.com		Fax	Analysis		S 'ÞOd	10 <sup>5'</sup>	or i s ,, h (A(	-AC 103	y 83 8 Me (AO)	PAHs b RCRA 8 CI, F, E 8260 (V 8260 (S										
Turn-Around Time:       If Standard     Rush       Project Name:     Rush       Project Name:     EVV: Rennearal Puss Lac, Leeb Face       Project Manager:     Project Manager:       Project Manager:     Image: Project Manager:       Part Marchine:     Image: Project Manager:       Part Marchine:     Image: Project Manager:       Part Marchine:     Image: Project Manager:				4901 Ha	Tel. 505			ям / с	) DR( 1 280	8/s	ebi	16D(	08:H9T 99 1808									emarks:	
	vound Time:		(	Ronmental Plus Ix, Laptan	t#: , , .			- Mchaci and	11	E Yes D No	olers: /	1.35	Preservative HEAL No. Type	TCE -013	- DIU	1						Child Bale Time	
Signation of Custody Record       Signation of Custody Signation       Signation of Custody Record       Signation of Custody Signation       Signation of Signation       Signation       Signation of Signation	Turn-A	Project	,	ENVIN	Project	-	Project	A	Sample	On Ice:	# of Co	Cooler	Contair Type a	_		<u> </u>		5				Receiver	Received
Time: Relit Adverse:	-Custody Record	461 Plus, In/c.	19 1111 er	20 Bax 1558	NM 88231	131.16	ASIRNO-	Level 4 (Full Validation)	<sup>1</sup> <sup>2</sup> Compliance	Other					/ 120190307EPECH TZ	20190307 EPTC/5 TZ						Inquished by:	nguistred by:
	Calin-of	to Image	ta Ohen	Address:	Sumice.	#2 6 7.5	IT Fax#: MC	P <sub>2</sub> kage:		LAC D (	(Type)			5	9 11:50	9 11:25						2	Time:

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2019		Land farm closure - taborskip505@gmail.com - Gmail										
	M Gmail	Q	Search mail									
	Compose		4 background. (16 point com	posite samples from the 6" below ground surface fro								
	Inbox	1	19 jars									
	Starred		19.15.36 NMAC Parameter	En Mahad								
	Snoozed		19.15.36 NMAC Parameter	EPA Method EPA method 418.1 or								
	Important		трн С	8015M Extended								
	Sent		Chloride (Cl)	EPA method-300.1 4500								
	Drafts		BTEX	EPA method8021B or 8260B								
	Categories		Benzene	8021B \$60 / 8260B \$80								
	2015 vacation		GRO and DRO	EPA method 8015M								
	2016 lease		Arsenic (As)	EPA method 6010B or 6020								
	2017 lease		Barium (BA)	EPA method 6010B or 6020								
	2018 lease		Cadmium (Cs)	EPA method 6010B or 6020								
	2018 tax		Chromium (Cr)	EPA method 6010B or 6020								
	allstate		Lead (Pb)	EPA method 6010B or 6020								
(1)	skip	+	Total Mercury (Hg)	ERA method 6010B or 6020								
-			Selenium (Se)	EPA method 6010B or 6020								
			Silver (Ag)	EPA method 5010B or 6020								
			Copper (Cu)	EPA method 60108 or 6020								
			(Iron (Fe)	EPA method 6010B or 6020								
			Manganese (Mn)	EPA method 6010B or 6020								
			Zinc (Zn)	EPA method 6010B or 6020								

Sent from Mail for Windows 10

No Hangouts contacts Find someone

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

-

Maesana Minnadi Maw antira massana

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

Hall Environmental Analysis Laboratory, Inc.

HALL **ENVIRONMENTAL** ANALYSIS LABORATORY

January 28, 2020

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

**RE:** EPI Treatment Zone Monitoring Dear Pat McCasland:

OrderNo.: 1912719

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

Andy Freeman

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

в

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank D Sample

> T Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

Page 4 of 28

Date Reported: 1/28/2020

# Hall Environmental Analysis Laboratory, Inc.

Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### **CLIENT:** Environmental Plus, Inc Client Sample ID:20191212C1TZM Collection Date: 12/12/2019 10:29:00 AM **Project:** EPI Treatment Zone Monitoring Received Date: 12/13/2019 9:05:00 AM Lab ID: 1912719-001 Matrix: SOIL Analyses Result **RL Qual Units DF Date Analyzed** Batch **EPA METHOD 300.0: ANIONS** Analyst: CJS Chloride ND 60 12/16/2019 6:37:15 PM 49349 mg/Kg 20 **EPA METHOD 7471: MERCURY** Analyst: pmf ND 0.033 1/8/2020 10:13:45 AM 49680 Mercury mg/Kg 1 **EPA METHOD 6010B: SOIL METALS** Analyst: rde 1/10/2020 11:51:12 AM 49677 Antimony ND 4.9 mg/Kg 2 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 1/10/2020 11:51:12 AM 49677 mg/Kg 2 Copper 2.1 0.60 mg/Kg 2 1/15/2020 4:58:53 PM 49792 4100 250 100 1/10/2020 12:03:00 PM Iron mg/Kg 49677 1/9/2020 4:59:44 PM Lead 1.6 0.49 mg/Kg 2 49677 0.20 2 mg/Kg 1/10/2020 11:51:12 AM 49677 Manganese 51 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 2 1/10/2020 11:51:12 AM 49677 **Zinc** 4.9 mg/Kg 13 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 12/16/2019 9:37:20 PM 49336 mg/Kg 1 Surr: BFB 78.8 66.6-105 %Rec 1 12/16/2019 9:37:20 PM 49336 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 12/16/2019 9:37:20 PM 49336 Benzene ND 0.024 mg/Kg 1 Toluene ND 0.047 12/16/2019 9:37:20 PM 49336 mg/Kg 1 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.

в

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E

Value above quantitation range Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Analyte detected in the associated Method Blank D

T Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

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Sample

Hall Environmental Analysis La	boratory	, 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         roject:       EPI Treatment Zone Monitoring         ab ID:       1912719-002		Client Sample ID:20191212C2TZM Collection Date:12/12/2019 11:00:00 AM Received Date:12/13/2019 9:05:00 AM							
Lau ID. 1912/19-002	Matrix: SOIL		Neu	elveu Da	110.12	/13/2019 9.05.00 AM			
Analyses	Result	RL	Qua	l Units	D	F Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	CJS		
Chloride	130	60		mg/Kg	20	12/16/2019 6:49:36 PM			
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 C	ORGANICS					Analyst	BRM		
Diesel Range Organics (DRO)	290	94		mg/Kg	10	12/17/2019 11:06:55 AM	A 49356		
Motor Oil Range Organics (MRO)	720	470		mg/Kg	10	12/17/2019 11:06:55 AM	A 49356		
Surr: DNOP	0	70-130	S	%Rec	10	12/17/2019 11:06:55 AM	A 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.

В

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E

Value above quantitation range H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D

T Analyte detected below quantitation limits

Sample pH Not In Range Р

RL Reporting Limit

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Sample

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Hall Environmental Analysis Lab	oratory,	, 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

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Treatment Zone Monitoring	3	C	ollection Da	te:12	0191212C3TZM 2/12/2019 10:41:00 AN	1
Lab ID: 1912719-003	Matrix: SOIL	ŀ	Received Da	<b>te:</b> 12	2/13/2019 9:05:00 AM	
Analyses	Result	RL Q	ual Units	D	F 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		0.000	iiig/itg		Analyst	
				-		
Antimony	ND	5.1	mg/Kg	2	1/10/2020 12:10:23 PM	
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	
Beryllium	0.38	0.30	mg/Kg	2	1/10/2020 12:10:23 PM	
Cadmium	ND	0.20	mg/Kg	2	1/10/2020 12:10:23 PM	
Chromium	6.2 2.8	0.61	mg/Kg	2	1/10/2020 12:10:23 PM	
Copper	-	0.60	mg/Kg	2	1/15/2020 5:10:53 PM	49792
Iron	5700	250	mg/Kg		1/10/2020 12:08:31 PM	49677
Lead	6.9 58	0.51	mg/Kg	2 2	1/9/2020 5:07:54 PM	49677 49677
Manganese Selenium	56 ND	0.20 5.1	mg/Kg mg/Kg	2	1/10/2020 12:10:23 PM 1/9/2020 2:34:42 PM	49677
Selenium	ND	0.51	0 0	2	1/9/2020 2.34.42 PM 1/10/2020 12:10:23 PM	
Zinc	16	5.1	mg/Kg mg/Kg	2	1/10/2020 12:10:23 PM	
		5.1	mg/kg	2		
EPA METHOD 8015M/D: DIESEL RANGE (	JRGANICS				Analyst	BRIN
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	A 49336
Surr: BFB	79.4	66.6-105	%Rec	1	12/16/2019 10:22:29 PM	A 49336
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	12/16/2019 10:22:29 PM	A 49336
Toluene	ND	0.049	mg/Kg	1	12/16/2019 10:22:29 PM	
Ethylbenzene	ND	0.049	mg/Kg	1	12/16/2019 10:22:29 PM	
Xylenes, Total	ND	0.048	mg/Kg	1	12/16/2019 10:22:29 PM	
Surr: 4-Bromofluorobenzene	98.7	80-120	%Rec	1	12/16/2019 10:22:29 PM	

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

В

**Qualifiers:** 

\*

Diluted Due to Matrix E

 H
 Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Value exceeds Maximum Contaminant Level.

Value above quantitation range I

Analyte detected below quantitation limits

Sample pH Not In Range Р

Analyte detected in the associated Method Blank D

RL Reporting Limit

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Sample

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, Inc	Client Sample ID:20191212C4TZM						
<b>Project:</b> EPI Treatment Zone Monitoring		Collection Date: 12/12/2019 11:11:00 AM					
Lab ID: 1912719-004	Matrix: SOIL	R	eceived Da	te:12	2/13/2019 9:05:00 AM		
Analyses	Result	RL Q	ual Units	D	F Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CJS	
Chloride	ND	60	mg/Kg	20	12/16/2019 1:53:10 PM		
EPA METHOD 7471: MERCURY					Analyst		
Mercury	ND	0.033	mg/Kg	1	1/8/2020 10:23:49 AM	49680	
EPA METHOD 6010B: SOIL METALS	ND ND	0.000	ing/itg	•	Analyst		
				_	5		
Antimony	ND	5.0	mg/Kg	2	1/10/2020 12:12:12 PM		
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		
Beryllium	0.35	0.30	mg/Kg	2	1/10/2020 12:12:12 PM		
Cadmium	ND	0.20	mg/Kg	2	1/10/2020 12:12:12 PM		
Chromium	5.6	0.60	mg/Kg	2	1/10/2020 12:12:12 PM		
Copper	ND	0.59	mg/Kg	2	1/15/2020 5:12:26 PM	49792	
Iron	5300	250	mg/Kg		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		
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		
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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		
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.

В

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E

Value above quantitation range 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

Released to Imaging: 7/11/2025 1:50:26 PM

Analyte detected in the associated Method Blank D

T Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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Sample

Hall Environmental Analysis L	aboratory	, Inc.		Date	Reported: 1/28/20	20	
<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Treatment Zone Monitoring <b>Lab ID:</b> 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	e Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CJS	
Chloride	ND	60	mg/Kg	20 12/16	6/2019 2:30:12 PM	49353	
EPA METHOD 7471: MERCURY					Analyst	pmf	
Mercury	ND	0.033	mg/Kg	1 1/8/2	020 10:25:51 AM	49680	
EPA METHOD 6010B: SOIL METALS				,	Analyst		
		E 4	malla	0 1/10/	-		
Antimony Arsenic	ND 9.0	5.1 5.1	mg/Kg mg/Kg		2020 12:15:52 PM 020 2:37:47 PM	49677	
Barium	83	0.20	mg/Kg		2020 2:37:47 PM	49677	
Beryllium	0.31	0.20	mg/Kg		2020 12:15:52 PM	49677	
Cadmium	ND	0.20	mg/Kg		2020 12:15:52 PM	49677	
Chromium	5.6	0.61	mg/Kg		2020 12:15:52 PM	49677	
Copper	2.5	0.59	mg/Kg	2 1/15/2	2020 5:17:12 PM	49792	
Iron	4400	250	mg/Kg	100 1/10/20	020 12:17:42 PM	49677	
Lead	10	0.51	mg/Kg	2 1/9/2	020 5:11:13 PM	49677	
Manganese	58	0.20	mg/Kg	2 1/10/2	2020 12:15:52 PM	49677	
Selenium	ND	5.1	mg/Kg	2 1/9/2	020 2:37:47 PM	49677	
Silver	ND	0.49	mg/Kg		2020 5:17:12 PM	49792	
Zinc	18	5.1	mg/Kg	2 1/10/2	2020 12:15:52 PM	49677	
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	46	10	mg/Kg	1 12/18	3/2019 4:47:46 PM	49356	
Notor Oil Range Organics (MRO)	200	50	mg/Kg	1 12/18	3/2019 4:47:46 PM	49356	
Surr: DNOP	99.7	70-130	%Rec	1 12/18	3/2019 4:47:46 PM	49356	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1 12/16	6/2019 12:36:42 PM	1 49340	
Surr: BFB	75.0	66.6-105	%Rec	1 12/16	5/2019 12:36:42 PM	1 49340	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.024	mg/Kg	1 12/16	6/2019 12:36:42 PM		
Foluene	ND	0.049	mg/Kg		5/2019 12:36:42 PM		
Ethylbenzene	ND	0.049	mg/Kg		6/2019 12:36:42 PM		
Xylenes, Total	ND	0.098	mg/Kg		5/2019 12:36:42 PM		
Surr: 4-Bromofluorobenzene	90.0	80-120	%Rec		6/2019 12:36:42 PM		

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

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D

T Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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Sample

Released to Imaging: 7/11/2025 1:50:26 PM

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Hall Environmental Analysis	Laboratory	, Inc.			Date Reported: 1/28/20	20		
CLIENT: Environmental Plus, Inc	_	Client Sample ID:20191212C6TZM						
Project: EPI Treatment Zone Monitorin	-							
Lab ID: 1912719-006	Matrix: SOIL	<b>Received Date:</b> 12/13/2019 9:05:00 AM						
Analyses	Result	RL Q	ual Units	D	F Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CJS		
Chloride	ND	61	mg/Kg	20	12/16/2019 2:42:34 PM			
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			5 5		Analyst	rde		
Antimony	ND	4.9	mg/Kg	2	1/10/2020 12:25:55 PM			
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			
Beryllium	0.41	0.29	mg/Kg	2	1/10/2020 12:25:55 PM			
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	E				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		
- oluene	ND	0.046	mg/Kg	1	12/16/2019 1:47:12 PM			
Ethylbenzene	ND	0.046	mg/Kg	1	12/16/2019 1:47:12 PM	49340		
Kylenes, Total	ND	0.092	mg/Kg	1	12/16/2019 1:47:12 PM			
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.

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Sample pH Not In Range Р

T

RL Reporting Limit

Analyte detected in the associated Method Blank D

Analyte detected below quantitation limits

Sample

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Hall Environmental Analysis	Laboratory	, Inc.			Date Reported: 1/28/20	20		
CLIENT: Environmental Plus, Inc		Client Sample ID:20191212C7TZM						
Project: EPI Treatment Zone Monitoring	5	С	ollection Da	<b>te:</b> 12	2/12/2019 12:10:00 PM			
Lab ID: 1912719-007	Matrix: SOIL	]	Received Da	te:12	2/13/2019 9:05:00 AM			
Analyses	Result	RL Q	Qual Units	D	F Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CJS		
Chloride	ND	60	mg/Kg	20	12/16/2019 2:54:56 PM			
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		0.000	1119/119		Analyst			
	ND	5.0	malka	2	1/10/2020 12:29:39 PM			
Antimony Arsenic	ND	5.0 5.0	mg/Kg mg/Kg	2 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			
Ethylbenzene	ND	0.047	mg/Kg	1	12/16/2019 2:10:26 PM			
Xylenes, Total	ND	0.094	mg/Kg	1	12/16/2019 2:10:26 PM			
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.

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

S

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Analyte detected in the associated Method Blank D Sample

> T Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis	Iall Environmental Analysis Laboratory, Inc.						
CLIENT: Environmental Plus, Inc		Clie	nt Sample	<b>ID:</b> 2	0191212C8TZM		
Project: EPI Treatment Zone Monitoring	g	Collection Date: 12/12/2019 12:15:00 PM					
Lab ID: 1912719-008	Matrix: SOIL	R	Received Da	<b>ite:</b> 12	2/13/2019 9:05:00 AM		
Analyses	Result	RL Q	ual Units	D	F 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			0.0		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		
Beryllium	0.41	0.31	mg/Kg	2	1/10/2020 12:33:20 PM		
Cadmium	ND	0.20	mg/Kg	2	1/10/2020 12:33:20 PM		
Chromium	6.6	0.61	mg/Kg	2	1/10/2020 12:33:20 PM		
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.

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D

I Analyte detected below quantitation limits

Sample pH Not In Range Р

RL Reporting Limit

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Sample

Hall Environmental Analysis	Laboratory	, Inc.			Date Reported: 1/28/2020			
<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Treatment Zone Monitorir	ησ	Client Sample ID:20191212C9TZM Collection Date:12/12/2019 12:25:00 PM						
Lab ID: 1912719-009	-		2/13/2019 9:05:00 AM	L				
	Matrix: SOIL							
Analyses	Result	RL Q	ual Units	D	F 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			5 5		Analyst	rde		
Antimony	ND	5.0	mg/Kg	2	1/10/2020 12:36:47 PM			
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			
Beryllium	0.39	0.30	mg/Kg	2	1/10/2020 12:36:47 PM			
Cadmium	ND	0.20	mg/Kg	2	1/10/2020 12:36:47 PM			
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	E				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.

В

Qualifiers:

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Analyte detected in the associated Method Blank D

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Sample

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**Analytical Report** Lab Order 1912719

Hall Environmental Analysis	Laboratory	Inc.         Date Reported: 1/28/2020						
CLIENT: Environmental Plus, Inc		Client Sample ID:20191212C10TZM						
Project: EPI Treatment Zone Monitoria	ıg	Collection Date: 12/12/2019 12:34:00 PM						
Lab ID: 1912719-010	Matrix: SOIL	F	Received Da	te:12	2/13/2019 9:05:00 AM			
Analyses	Result	RL Q	ual Units	D	F 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			5 5		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			
Beryllium	0.33	0.29	mg/Kg	2	1/10/2020 12:40:26 PM			
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 RANG	Ξ				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		
Foluene	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		
Kylenes, 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.

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

 H
 Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

\*

Analyte detected in the associated Method Blank D

T Analyte detected below quantitation limits

Sample pH Not In Range Р

RL Reporting Limit

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Sample

Hall Environmental Analysis	Laboratory	, Inc.			Date Reported: 1/28/20	20			
CLIENT: Environmental Plus, Inc		Client Sample ID:20191212C11TZM							
<b>Project:</b> EPI Treatment Zone Monitoring	z	C	ollection Da	<b>te:</b> 12	2/12/2019 12:43:00 PM				
Lab ID: 1912719-011	Matrix: SOIL	ŀ	<b>Received Date:</b> 12/13/2019 9:05:00 AM						
Analyses	Result	RL Q	Qual Units	D	F Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	CJS			
Chloride	ND	60	mg/Kg	20	12/16/2019 4:58:25 PM				
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		0.000	iiig/itg	•	Analyst:				
Antimony	ND	5.0	mg/Kg	2	1/10/2020 12:50:22 PM				
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				
Ethylbenzene	ND	0.048	mg/Kg	1	12/16/2019 4:54:43 PM				
Xylenes, Total	ND	0.095	mg/Kg	1	12/16/2019 4:54:43 PM				
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.

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D

T Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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Sample

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1912719

Date Reported: 1/28/2020

CLIENT	Environmental Plus, Inc	Client Sample ID:20191212C12TZM							
<b>Project:</b>	EPI Treatment Zone Monite	Collection Date: 12/12/2019 12:52:00 PM							
Lab ID:	1912719-012	Matrix: SOIL	ŀ	Received Da	<b>te:</b> 1	2/13/2019 9:05:00 AM			
Analyses	:	Result	RL Q	Qual Units	D	F Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analyst	CJS		
Chloride		ND	60	mg/Kg	20	12/16/2019 5:10:46 PM	49353		
EPA MET	HOD 7471: MERCURY					Analyst	: pmf		
Mercury		ND	0.033	mg/Kg	1	1/8/2020 10:44:21 AM	- 49680		
EPA MET	HOD 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		
Chromiun	n	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		
Mangane	se	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 MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM		
Diesel Rang	ge Organics (DRO)	50	20	mg/Kg	2	12/19/2019 2:19:25 PM	49386		
Motor Oil R	ange Organics (MRO)	210	99	mg/Kg	2	12/19/2019 2:19:25 PM	49386		
Surr: DN	OP	96.9	70-130	%Rec	2	12/19/2019 2:19:25 PM	49386		
EPA MET	HOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB		
Gasoline Ra	ange Organics (GRO)	ND	4.8	mg/Kg	1	12/16/2019 5:18:06 PM	49340		
Surr: BFE		73.3	66.6-105	%Rec	1	12/16/2019 5:18:06 PM	49340		
EPA MET	HOD 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		
Ethylbenzer	ne	ND	0.048	mg/Kg	1	12/16/2019 5:18:06 PM			
Xylenes, To		ND	0.096	mg/Kg	1	12/16/2019 5:18:06 PM			
Surr: 4-B	romofluorobenzene	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.

В

Qualifiers:

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

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

Analyte detected in the associated Method Blank D

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 16 of 28

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Sample

Released to Imaging: 7/11/2025 1:50:26 PM

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### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Environmental Plus, Inc **Project:** EPI Treatment Zone Monitoring

Lab ID: 1912719-013

### 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 Q	ual Units	D	F Date Analyzed I h	Batc h
EPA METHOD 300.0: ANIONS					Analyst: C	JS
Chloride	ND	60	mg/Kg	20	12/16/2019 5:23:07 PM 49	9353
EPA METHOD 7471: MERCURY					Analyst: <b>p</b> i	mf
Mercury	ND	0.033	mg/Kg	1	12/20/2019 12:12:38 PM 49	9440
EPA METHOD 6010B: SOIL METALS					Analyst: <b>rc</b>	de
Antimony	ND	5.0	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Arsenic	ND	5.0	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Barium	46	0.20	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Beryllium	0.31	0.30	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Cadmium	ND	0.20	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Chromium	4.4	0.60	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Copper	1.6	0.60	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Iron	5100	250	mg/Kg	100	) 12/31/2019 11:07:44 AM 49	414
Lead	2.3	0.50	mg/Kg	2	12/31/2019 11:06:02 AM 49	9414
Manganese	59	0.20	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Selenium	ND	5.0	mg/Kg	2	12/31/2019 2:31:17 PM 49	9414
Silver	ND	0.50	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
Zinc	10	5.0	mg/Kg	2	12/24/2019 12:49:30 PM 49	9414
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: B	RM
Diesel Range Organics (DRO)	57	9.6	mg/Kg	1	12/23/2019 1:37:17 PM 49	9458
Motor Oil Range Organics (MRO)	210	48	mg/Kg	1	12/23/2019 1:37:17 PM 49	9458
Surr: DNOP	101	70-130	%Rec	1	12/23/2019 1:37:17 PM 49	9458
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>N</b>	SB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/16/2019 5:41:27 PM 49	9340
Surr: BFB	75.8	66.6-105	%Rec	1	12/16/2019 5:41:27 PM 49	9340
EPA METHOD 8021B: VOLATILES					Analyst: N	SB
Benzene	ND	0.024	mg/Kg	1	12/16/2019 5:41:27 PM 49	9340
Toluene	ND	0.048	mg/Kg	1	12/16/2019 5:41:27 PM 49	9340
Ethylbenzene	ND	0.048	mg/Kg	1	12/16/2019 5:41:27 PM 49	9340
Xylenes, Total	ND	0.096	mg/Kg	1	12/16/2019 5:41:27 PM 49	9340
Surr: 4-Bromofluorobenzene	91.3	80-120	%Rec	1	12/16/2019 5:41:27 PM 49	9340

Matrix: SOIL

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

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D Sample

> Analyte detected below quantitation limits T

Р

Sample pH Not In Range

RL Reporting Limit Page 17 of 28

Date Reported: 1/28/2020

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### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Environmental Plus, Inc **Project:** EPI Treatment Zone Monitoring

Project: EPI Treatment Zone Monitoring Lab ID: 1912719-014

### 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	D	F Date Analyzed B h	atc
EPA METHOD 300.0: ANIONS					Analyst: CJ	JS
Chloride	ND	60	mg/Kg	20	12/16/2019 5:35:29 PM 49	353
EPA METHOD 7471: MERCURY					Analyst: <b>pn</b>	nf
Mercury	ND	0.033	mg/Kg	1	12/20/2019 12:18:38 PM 49	440
EPA METHOD 6010B: SOIL METALS					Analyst: rd	е
Antimony	ND	5.0	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Arsenic	ND	5.0	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Barium	250	0.20	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Beryllium	0.44	0.30	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Cadmium	ND	0.20	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Chromium	6.1	0.60	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Copper	2.4	0.60	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Iron	6500	250	mg/Kg	10	0 12/31/2019 11:10:57 AM 494	414
Lead	3.8	0.50	mg/Kg	2	12/31/2019 11:09:17 AM 49	414
Manganese	73	0.20	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Selenium	ND	5.0	mg/Kg	2	12/31/2019 2:32:50 PM 49	414
Silver	ND	0.50	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
Zinc	15	5.0	mg/Kg	2	12/24/2019 12:59:18 PM 49	414
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst: BF	۲M
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	12/19/2019 3:56:53 PM 49	386
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/19/2019 3:56:53 PM 49	386
Surr: DNOP	120	70-130	%Rec	1	12/19/2019 3:56:53 PM 49	386
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NS	SB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/16/2019 6:04:48 PM 49	340
Surr: BFB	73.7	66.6-105	%Rec	1	12/16/2019 6:04:48 PM 49	340
EPA METHOD 8021B: VOLATILES					Analyst: NS	SB
Benzene	ND	0.024	mg/Kg	1	12/16/2019 6:04:48 PM 49	340
Toluene	ND	0.047	mg/Kg	1	12/16/2019 6:04:48 PM 49	340
Ethylbenzene	ND	0.047	mg/Kg	1	12/16/2019 6:04:48 PM 49	340
Xylenes, Total	ND	0.094	mg/Kg	1	12/16/2019 6:04:48 PM 49	340
Surr: 4-Bromofluorobenzene	89.0	80-120	%Rec	1	12/16/2019 6:04:48 PM 49	340

Matrix: SOIL

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

В

Qualifiers:

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

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
- Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

J Analyte detected below quantitation limit
 P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/28/2020

**Project:** Lab ID:

Analyses

Date Reported: 1/28/2020

		-						
	Collection Date: 12/12/2019 1:14:00 PM							
Matrix: SOIL	Received Date: 12/13/2019 9:05:00 AM							
Result	<b>RL</b> Qual Units		DF	Date Analyzed	Batch			
				Analy	st: CJS			
ND 49399	60	mg/Kg	20	•				
ND	0.033	mg/Kg	1 1	2/20/2019 12:20:39 P				
ND 49414	5.0	mg/Kg	2					
ND 49414	5.0	mg/Kg	2	12/24/2019 1:01:14	1			
72 49414	0.20	mg/Kg	2	12/24/2019 1:01:14	1			
0.45 49414	0.30	mg/Kg	2	12/24/2019 1:01:14	1			
ND 49414	0.20	mg/Kg	2	12/24/2019 1:01:14	4			
5.8 49414	0.60	mg/Kg	2	12/24/2019 1:01:14	1			
1.7 49414	0.60	mg/Kg	2	12/24/2019 1:01:14	1			
8000	250	mg/Kg						
-		0 0			-			
57 49414	0.20	mg/Kg	2	12/24/2019 1:01:14	1			
ND 49414	5.0	mg/Kg	2	12/31/2019 2:34:22	2			
ND 49414	0.50	mg/Kg	2	12/24/2019 1:01:14	1			
14 49414	5.0	mg/Kg	2	12/24/2019 1:01:14	1			
	Matrix: SOIL Result ND 49399 ND ND 49414 ND 49414 72 49414 0.45 49414 0.45 49414 ND 49414 5.8 49414 1.7 49414 1.7 49414 8000 2.3 57 49414 ND 49414 ND 49414 ND 49414 ND	Matrix: SOIL         Result           Result         RL Qu           ND         60           MD         0.033           ND         0.033           ND         5.0           49414         5.0           MD         5.0           49414         0.20           49414         0.30           MD         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.20           49414         0.50           49414         0.50           49414         0.50           49414         0.50           49414         0.50           49414         5.0	Matrix: SOIL         Received Data           Result         RL Qual Units           ND         60         mg/Kg           ND         0.033         mg/Kg           ND         5.0         mg/Kg           MD         5.0         mg/Kg           MD         5.0         mg/Kg           MD         5.0         mg/Kg           49414         0.30         mg/Kg           MD         0.20         mg/Kg           49414         0.30         mg/Kg           MD         0.20         mg/Kg           49414         0.60         mg/Kg           MD         0.20         mg/Kg           49414         0.60         mg/Kg           MD         0.20         mg/Kg           49414         0.60         mg/Kg           MD         0.50         mg/Kg           49414         0.50         mg/Kg           MD         5.0         mg/Kg           MD	Matrix: SOIL         Received Date: 12/1           Result         RL Qual Units         DF           ND         60         mg/Kg         20           ND         0.033         mg/Kg         1         1           ND         5.0         mg/Kg         2         1         1           49414         0.20         mg/Kg         2         1         1           ND         0.20         mg/Kg         2         1         1           ND         0.20         mg/Kg         2         1         1           ND         0.20         mg/Kg         2         1         1           1.7         0.60         mg/Kg         2         1         1           1.57         0.20         mg/Kg         2<	Matrix: SOIL         Received Date: 12/13/2019 9:05:00 AN           Result         RL Qual Units         DF Date Analyzed           ND         60         mg/Kg         20         12/17/2019 7:07:35           MD         0.033         mg/Kg         1         12/20/2019 12:20:39 P           ND         0.033         mg/Kg         2         12/24/2019 1:01:14           MD         5.0         mg/Kg         2         12/24/2019 1:01:14           MD         0.20         mg/Kg         2         12/24/2019 1:01:14           MD			

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 ORG	GANICS				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		0 0		

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

В

**Qualifiers:** \*

Diluted Due to Matrix E Value above quantitation range

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Value exceeds Maximum Contaminant Level.

Analyte detected in the associated Method Blank D Sample

> Analyte detected below quantitation limits T

Р Sample pH Not In Range

RL Reporting Limit

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Client Sample ID:20191212C15TZM

Mercury	ND	0.033	mg/ĸg	1	12/20/2019 12:20:39 PM 49440
EPA METHOD 6010B: SOIL METALS					Analyst: <b>rde</b>
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		0 0		
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		0 0		
Cadmium	ND	0.20	mg/Kg	2	12/24/2019 1:01:14
PM	49414		0 0		
Chromium	5.8	0.60	mg/Kg	2	12/24/2019 1:01:14
PM	49414		0 0		
Copper	1.7	0.60	mg/Kg	2	12/24/2019 1:01:14
PM	49414		0 0		
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 OR	GANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/19/2019 4:21:05
PM	49386		5 5		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/19/2019 4:21:05
PM	49386		5 5		
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	1.0	iiig/itg	•	12,10,2010 0.20110
Surr: BFB	74.2	66.6-105	%Rec	1	12/16/2019 6:28:10
PM	49340	20.0 100	/01/00	•	, 10,2010 0.20110
EPA METHOD 8021B: VOLATILES					Analyst: <b>NSB</b>
Benzene	ND	0.024	mg/Kg	1	12/16/2019 6:28:10
DOILOND		0.027	mg/ng		12/10/2010 0.20.10

### **CLIENT:** Environmental Plus, Inc \_

Hall Environmental Analysis Laboratory, Inc.

Released to Imaging: 7/11/2025 1:50:26 PM

Date Reported: 1/28/2020

# Hall Environmental Analysis Laboratory, Inc.

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					
PM	49340					

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

В

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

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
- Released to Imaging: 7/11/2025 1:50:26 PM

\*

Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# ANALYTICAL REPORT

### Hall Environmental Analysis Laboratory

Sample Delivery Group:

L1182730 01/24/2020

Samples Received:

**Project Number:** 

Description:

**Report To:** 

Entire Report Reviewed By: Naplme R Richards

Daphne Richards Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be Analytical National is performed per guidance provided in laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

PROJECT:

Al

Sc

4901 Hawkins NE Albuquerque, NM 87109



National Center for Testing & Innovation

Ss

Cn

Sr

GI

A

<sup>9</sup>Sc

<sup>6</sup>Qc

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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 01:23	TRB	Mt. Juliet, TN
			Collected by	Collected date/time	Received d	ate/time
1912719-002A 20191212C2TZM L1182730-02 Solid				12/12/19 11:00	01/24/200	9:00
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 01:26	TRB	Mt. Juliet, TN
1912719-003A 20191212C3TZM L1182730-03 Solid			Collected by	Collected date/time 12/12/19 10:41	Received d 01/24/20 0	
1912/19-003A 20191212C312W E1182/30-05 30Nd					01/2 1/20 0	
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 01:29	TRB	Mt. Juliet, TN

SDG: L1182730

### SAMPLE SUMMARY

1912719-001A 20191212C1TZM L1182730-01 Solid			Collected by	Collected date/time 12/12/19 10:29	Received dat 01/24/20 09	
1912719-004A 20191212C4TZM L1182730-04 Solid			Collected by	Collected date/time 12/12/19 11:11	Received d 01/24/20 0	
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 01:31	TRB	Mt. Juliet, TN
			Collected by	Collected date/time	Received d	
1912719-005A 20191212C5TZM L1182730-05 Solid				12/12/19 11:25	01/24/200	9:00
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 01:34	TRB	Mt. Juliet, TN
1912719-006A 20191212C6TZM L1182730-06 Solid			Collected by	Collected date/time 12/12/19 12:00	Received d 01/24/20 0	
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 01:37	TRB	Mt. Juliet, TN
1912719-007A 20191212C7TZM L1182730-07 Solid			Collected by	Collected date/time 12/12/19 12:10	Received d 01/24/20 C	
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 01:39	TRB	Mt. Juliet, TN
1912719-008A 20191212C8TZM L1182730-08 Solid			Collected by	Collected date/time 12/12/19 12:15	Received d 01/24/20 0	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
	11104 447450	4	04 /06 /00 05 57	04/20/20 04 42	TDD	NAL 1.11.1.751

Metals (ICP) by Method 6010B

PROJECT:

WG1417156

1

SDG: L1182730

01/26/20 05:57

DATE/TIME: 01/28/20 08:4801/28/20 11:37

01/28/20 01:42

TRB

Mt. Juliet, TN

PAGE: 3 of 26



# **II. SAMPLE SUMMARY**

SDG: L1182730

DATE/TIME: 01/28/20 08:4801/28/20 11:37

PAGE: 4 of 26

Ср

			Collected by	Collected date/time	Received d	ate/time
1912719-009A 20191212C9TZM L1182730-09 Solid				12/12/19 12:25	01/24/200	9:00
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 01:50	TRB	Mt. Juliet, TN
				Collected		
			Collected by	date/time	Received d	ate/time
1912719-010A 20191212C10TZM L1182730-10				12/12/19 12:34	01/24/200	9:00
Solid						
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 01:53	TRB	Mt. Juliet, TN
				Collected		
			Collected by	date/time	Received d	-
1912719-011A 20191212C11TZM L1182730-11				12/12/19 12:43	01/24/200	9:00
Solid						
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 01:55	TRB	Mt. Juliet, TN
				Collected		
			Collected by	date/time	Received d	
1912719-012A 20191212C12TZM L1182730-12 Solid				12/12/19 12:52	01/24/200	9:00
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 01:58	TRB	Mt. Juliet, TN
				Collected		
1012710 0124 201012120127744 14402720 42			Collected by	date/time 12/12/19 13:00	Received d 01/24/20 0	-
1912719-013A 20191212C13TZM L1182730-13 Solid				12/12/19 13:00	U1/24/20U	5.00
50114						

SDG: L1182730

DATE/TIME: 01/28/20 08:4801/28/20 11:37

PAGE: 5 of 26

Ср

		date/time	date/time		
WG1417156	1	01/26/20 05:57	01/28/20 02:01	TRB	Mt. Juliet, TN
		Collected by	Collected date/time	Received d	ate/time
			12/12/19 13:03	01/24/200	09:00
Batch	Dilution	Preparation	Analysis	Analyst	Location
		date/time	date/time		
WG1417156	1	01/26/20 05:57	01/28/20 02:03	TRB	Mt. Juliet, TN
		Collected by	Collected date/time	Received d	ate/time
			12/12/19 13:14	01/24/200	09:00
Batch	Dilution	Preparation	Analysis	Analyst	Location
		data/timo	data/timo		
	Batch WG1417156	Batch Dilution WG1417156 1	WG1417156101/26/20 05:57BatchDilutionCollected byWG1417156101/26/20 05:57WG1417156101/26/20 05:57BatchDilutionCollected byBatchDilutionPreparationBatchDilutionPreparation	WG1417156       1       01/26/20 05:57       01/28/20 02:01         WG1417156       1       Collected by       Collected date/time 12/12/19 13:03         Batch       Dilution       Preparation date/time       Analysis         WG1417156       1       01/26/20 05:57       01/28/20 02:03         WG1417156       1       01/26/20 05:57       01/28/20 02:03         Collected by       Collected by       Collected date/time 12/12/19 13:14	WG1417156       1       01/26/20 05:57       01/28/20 02:01       TRB         Collected       Collected       Collected       Collected       Received do         Batch       Dilution       Preparation       Analysis       Analysis         WG1417156       1       01/26/20 05:57       01/28/20 02:03       TRB         WG1417156       1       01/26/20 05:57       01/28/20 02:03       TRB         WG1417156       1       01/26/20 05:57       01/28/20 02:03       TRB         Batch       Dilution       Preparation       Analysis       Analysic         Batch       Dilution       Preparation       Analysis       Analysic         Batch       Dilution       Preparation       Analysis       Analysic

PAGE: 6 of 26 Metals (ICP) by Method 6010B

WG1417156 1 01/26/20 05:57 01/28/20 00:55

TRB Mt. Juliet, TN

Ср

2**TC** 

# 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.



Dapline R Richards

Daphne Richards Project Manager

26

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

## Metals (ICP) by Method 6010B

	•	·		
Analyte				
Thallium				

Result mg/kg

ND

RDL mg/kg 2.00

**SAMPLE RESULTS - 01** 

1

L1182730

Dilution Analysis date / time 01/28/2020 01:23



<sup>3</sup> Ss
<sup>4</sup> Cn
5
ິSr
_
<sup>6</sup> Qc
GI
ÅI
Sc

Received by OCD:	: 7/11/2025 1:45:11 PM					Page 169 ONE LAB. NATIONWIDE.	of 356
	<u>(</u>	Qualifier			Batch		<sup>1</sup> Cp
					<u>WG1417156</u>		<sup>2</sup> Tc
1912719-002A 202 Collected date/time: 12/1		SAMPI	-	ULTS - 02		<sup>3</sup> Ss	
Metals (ICP) by N	Vethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			Sr
Thallium	ND	2.00	1	01/28/2020 01:26			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

SDG: L1182730 Â

Received by OCD:	7/11/2025 1:45:11 PM	-				Page 170 ONE LAB. NATIONWIDE.	of 356
		Qualifier			Batch		<sup>1</sup> Cp
					baten		2
					<u>WG1417156</u>		Tc
1912719-003A 201 Collected date/time: 12/1	SAMP	SAMPLE RESULTS - 03				<sup>3</sup> Ss	
Metals (ICP) by N	/lethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			ິSr
Thallium	ND	2.00	1	01/28/2020 01:29			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

SDG: L1182730

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	Qualifier				<u>Batch</u>		<sup>1</sup> Cp
							2
					<u>WG1417156</u>		Тс
<b>1912719-004A 20191212C4TZM</b> Collected date/time: 12/12/19 11:11		SAMPI	SAMPLE RESULTS - 04				<sup>3</sup> Ss
Metals (ICP) by M	/lethod 6010B						<sup>⁴</sup> Cn
	Result	RDL	Dilut	ion Analysis			-
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/28/2020 01:31			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

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Received by OCD:	7/11/2025 1:45:11 PM					Page 172 ONE LAB. NATIONWIDE.	of 356
	<u>(</u>	Qualifier			Batch		<sup>1</sup> Cp
					<u>WG1417156</u>		<sup>2</sup> Tc
1912719-005A 201 Collected date/time: 12/1 Metals (ICP) by N	SAMPI		ULTS - 05 182730			<sup>3</sup> Ss <sup>4</sup> Cn	
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/28/2020 01:34			
							ឹQc
							<sup>7</sup> Gl

SDG: L1182730 AI

Received by OCD:	• 7/11/2025 1:45:11 PM					Page 173 One Lab. Nationwide.	of 356
	<u>(</u>	Qualifier			Batch		<sup>1</sup> Cp
					<u>WG1417156</u>		<sup>2</sup> Tc
1912719-006A 201 Collected date/time: 12/1	SAMPI	-	ULTS - 06			<sup>3</sup> Ss	
Metals (ICP) by N							СП
Analyte	Result mg/kg	RDL mg/kg		ion Analysis date / time			⁵Sr
Thallium	ND	2.00	1	01/28/2020 01:37			<sup>6</sup> Qc
							<sup>7</sup> Gl

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Received by OCD:	: 7/11/2025 1:45:11 PM					Page 174 ONE LAB. NATIONWIDE.	4 of 356
	<u>(</u>	Qualifier			Batch		<sup>1</sup> Cp
					WG1417156		<sup>2</sup> Tc
1912719-007A 202 Collected date/time: 12/1 Metals (ICP) by N	SAMP	-	ULTS - 07 182730			<sup>3</sup> Ss <sup>4</sup> Cn	
Analyte	Result mg/kg	RDL mg/kg	Diluti	on Analysis date / time			⁵ Sr
Thallium	ND	2.00	1	01/28/2020 01:39			<sup>6</sup> Qc
							<sup>7</sup> Gl

SDG: L1182730 AI

Received by OCD:	• 7/11/2025 1:45:11 PM					Page 175 ONE LAB. NATIONWIDE.	of 356
	<u>(</u>	Qualifier			Batch		<sup>1</sup> Cp
					<u>WG1417156</u>		<sup>2</sup> Tc
1912719-008A 201 Collected date/time: 12/1 Metals (ICP) by N	SAMP	SAMPLE RESULTS - 08				<sup>3</sup> Ss <sup>4</sup> Cn	
	Result	RDL	Diluti	on Analysis			5_
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/28/2020 01:42			<sup>6</sup> Qc
							<sup>7</sup> Gl

SDG: L1182730



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Received by OCD:	7/11/2025 1:45:11 PM					Page 170 ONE LAB. NATIONWIDE.	5 of 356
	<u> </u>	Qualifier_			Batch		<sup>1</sup> Cp
					WG1417156		<sup>2</sup> Tc
1912719-009A 201 Collected date/time: 12/1	SAMP	-	ULTS - 09		<sup>3</sup> Ss		
Metals (ICP) by N	/lethod 6010B						Ĉn
	Result	RDL	Dilut	ion Analysis			5
Analyte	mg/kg	mg/kg		date / time			ິSr
Thallium	ND	2.00	1	01/28/2020 01:50			
							ိQc
							<sup>7</sup> Gl

SDG: L1182730 A

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	(	Qualifier			Batch		<sup>1</sup> Cp
		<u> </u>					2
					<u>WG1417156</u>		Tc
1912719-010A 201 Collected date/time: 12/1	SAMP		ULTS - 10			<sup>3</sup> Ss	
Metals (ICP) by N	/lethod 6010B		LI	182730			⁴Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			ືSr
Thallium	ND	2.00	1	01/28/2020 01:53			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

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	0	Qualifier			<u>Batch</u>		<sup>1</sup> Cp
	<u> </u>				butten		
					<u>WG1417156</u>		<sup>2</sup> Tc
<b>1912719-011A 20191212C11TZM</b> Collected date/time: 12/12/19 12:43		SAMPLE RESULTS - 11				<sup>3</sup> Ss	
Metals (ICP) by N	/lethod 6010B						⁴Cn
	Result	RDL	Diluti	ion Analysis			E
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/28/2020 01:55			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

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Received by OCD:	7/11/2025 1:45:11 PM					Page 179 ONE LAB. NATIONWIDE.	of 356
	<u>c</u>	Qualifier			Batch		<sup>1</sup> Cp
					<u>WG1417156</u>		<sup>2</sup> Tc
<b>1912719-012A 20191212C12TZM</b> Collected date/time: 12/12/19 12:52		SAMP	SAMPLE RESULTS - 12				<sup>3</sup> Ss
Metals (ICP) by M	1ethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			Sr
Thallium	ND	2.00	1	01/28/2020 01:58			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

SDG: L1182730



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						ONE LAB. NATIONWIDE.	-
	<u>C</u>	Qualifier			Batch		<sup>1</sup> Cp
					WG1417156		<sup>2</sup> Tc
1912719-013A 20191212C13TZM Collected date/time: 12/12/19 13:00		SAMPI		SULTS - 13 182730			<sup>3</sup> Ss
Metals (ICP) by N	Vethod 6010B						<sup>⁴</sup> Cn
Analyte Thallium	Result mg/kg ND	RDL mg/kg 2.00	Diluti	on Analysis date / time 01/28/2020 02:01			⁵Sr
manium		2.00	I	01/28/2020 02.01			<sup>6</sup> Qc
							<sup>7</sup> Gl

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Received by OCD:	7/11/2025 1:45:11 PM					Page 181 ONE LAB. NATIONWIDE.	of 356
	<u>(</u>	Qualifier			Batch		<sup>1</sup> Cp
					<u>WG1417156</u>		<sup>2</sup> Tc
1912719-014A 201 Collected date/time: 12/1	SAMP		SULTS - 14 182730			<sup>3</sup> Ss	
Metals (ICP) by M	Nethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			Sr
Thallium	ND	2.00	1	01/28/2020 02:03			
							<sup>6</sup> Qc
							<sup>7</sup> GI

PAGE:

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<sup>9</sup>Sc

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	<u> </u>	Qualifier			Batch		1Ср
					<u>WG1417156</u>		<sup>2</sup> Tc
	<b>1912719-015A 20191212C15TZM</b> Collected date/time: 12/12/19 13:14			SULTS - 15 182730			<sup>3</sup> Ss
Metals (ICP) by N	/lethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/28/2020 00:55			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

PAGE:

AI

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# QUALITY CONTROL SUMMARY <u>L1182730-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15</u>

Ср

Cn

Sr

**Q**c

Gl

A

### Method Blank (MB)

(MB) R3494606-1 01/28,	/20 00:47			2
	MB Result MB Qualifi	er MB MDL	MB RDL	Тс
Analyte	mg/kg	mg/kg	mg/kg	<sup>3</sup> Ss
Thallium	U	0.650	2.00	55

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

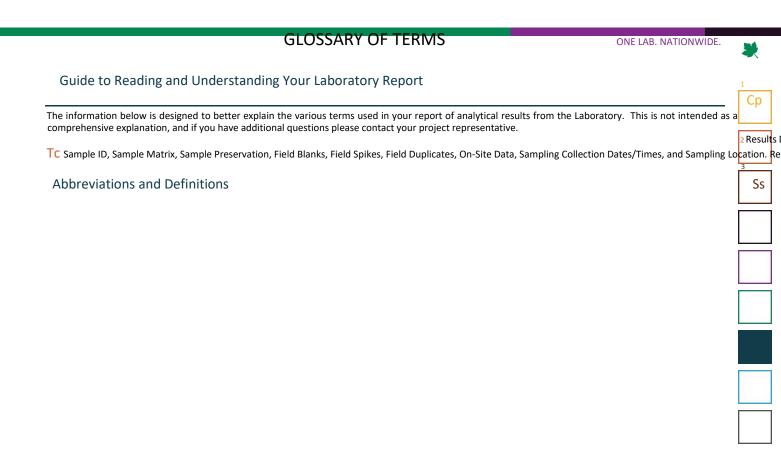
(LCS) R3494606-2 01/28/2	) 00:50 • (LCSD) R3494606-		3 01/28/20 00:52								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Thallium	100	92.6	93.2	92.6	93.2	80.0-120			0.702	20	

### 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											9		
	Spike Amour	nt Original Res	ult MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	n Rec. Limits	MS Qualifier	MSD Qualifier	_RPD	RPD Limits	SC
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Thallium	100	ND	93.5	85.8	93.5	85.8	1	75.0-125			8.53	20	

DATE/TIME: 01/28/20 11:37

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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.

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.

NE-OS-15-05 Alabama 40660 Nebraska Alaska 17-026 Nevada TN-03-2002-34 AZ0612 New Hampshire 2975 Arizona 88-0469 New Jersey-NELAP TN002 Arkansas California 2932 New Mexico<sup>1</sup> n/a Colorado TN00003 New York 11742 North Carolina PH-0197 Env375 Connecticut Florida E87487 North Carolina DW21704 Georgia NELAP North Carolina <sup>3</sup> 41 Georgia 923 North Dakota R-140 Idaho TN00003 Ohio-VAP CL0069 200008 Oklahoma 9915 Illinois Indiana C-TN-01 Oregon TN200002 364 Pennsylvania 68-02979 lowa E-10277 Rhode Island LAO00356 Kansas 84004 Kentucky <sup>16</sup> 90010 South Carolina South Dakota Kentucky<sup>2</sup> 16 n/a Tennessee <sup>14</sup> Louisiana AI30792 2006 Louisiana<sup>1</sup> LA180010 Texas T104704245-18-15 TN0002 Texas ⁵ LAB0152 Maine Utah TN00003 Maryland 324 Massachusetts M-TN003 Vermont VT2006 Michigan 9958 Virginia 460132 Washington 047-999-395 C847 Minnesota TN00003 West Virginia Mississippi 233 Wisconsin 9980939910 Missouri 340 Montana CERT0086 Wyoming A2LA

### Third Party Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 ⁵	1461.02
Canada	1461.01

AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

<sup>1</sup> Cp
<sup>2</sup> Tc
<sup>3</sup> Ss
⁴Cn
⁵Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

SDG: L1182730 DATE/TIME: 01/28/20 11:37

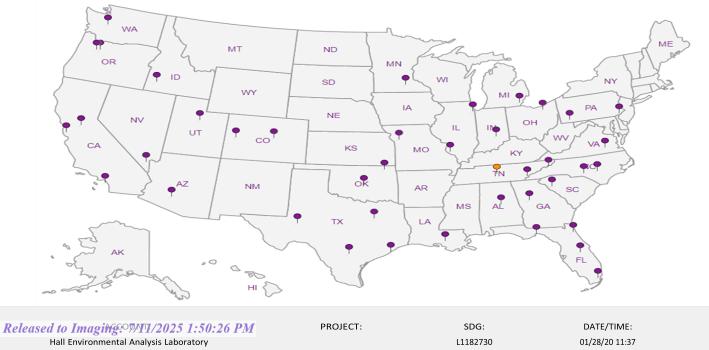
#### **State Accreditations**

EPA-Crypto TN00003

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



L1182730

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LABORATORY

CHAIN OF CUSTODY RECORD 1 2

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Hall Environmental Analysis Laborato Page 188 of 356

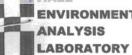
4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

SUB CO	ONTRATOR: ESC ]	PACE COMPANY:	ESC PACE		PHONE:	(800) 767-5859	FAX:	(615) 758-5859
ADDRE	iss: 12065	Lebanon Rd			ACCOUNT #:	(000) 101-0005	EMAIL:	(013) / 30-3039
CITY, S	TATE, ZIP: Mt. J	uliet, TN 37122			25.1			
TEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE		ANALYTICAI	L COMMENTS
1	1912719-001A	20191212C1TZM	40ZGU	Soil	12/12/2019 10:29:00 AM 1	Total Thalium	177.00	L1182730-01
2	1912719-002A	20191212C2TZM	40ZGU	Soil	12/12/2019 11:00:00 AM 1	Total Thalium		07
3	1912719-003A	20191212C3TZM	40ZGU	Soil	12/12/2019 10:41:00 AM 1	Total Thalium		0
4	1912719-004A	20191212C4TZM	40ZGU	Soil	12/12/2019 11:11:00 AM 1	Total Thalium		04
5	1912719-005A	20191212C5TZM	40ZGU	Soil	12/12/2019 11:25:00 AM 1	Total Thalium		04
6	1912719-006A	20191212C6TZM	40ZGU	Soil	12/12/2019 12:00:00 PM 1	. Total Thalium		
7	1912719-007A	20191212C7TZM	40ZGU	Soil	12/12/2019 12:10:00 PM 1	Total Thalium		06
8	1912719-008A	20191212C8TZM	40ZGU	Soil	12/12/2019 12:15:00 PM 1	Total Thalium		
9	1912719-009A	20191212C9TZM	40ZGU	Soil	12/12/2019 12:25:00 PM 1	Total Thalium		08
10	1912719-010A	20191212C10TZM	40ZGU		12/12/2019 12:34:00 PM 1			04
11	1912719-011A	20191212C11TZM	40ZGU		12/12/2019 12:43:00 PM 1			10
12	1912719-012A	20191212C12TZM	40ZGU		12/12/2019 12:52:00 PM 1			11
13	1912719-013A	20191212C13TZM	40ZGU		12/12/2019 1:00:00 PM 1			12

#### SPECIAL INSTRUCTIONS / COMMENTS:

Relinquished By:	Date:	Time:	Received By	Date:	Time: @ a a	DEDODT TO AMONITTAL DEGIDED
Relinquished By:	1/23/2020 Date:	11:08 AM Time:	Received By:	Date:	Time: 900	REPORT TRANSMITTAL DESIRED:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY
C	ndard	RUSH	Next BD 2nd BD	3rd B	D []	Temp of samples Vila, S2016 C ASam COCSP

### Received by OCD: 7/11/2025 1:45:11 PM



ENVIRONMENTAL

	4901 Hawkins NE
	Albuquerque, NM 87109
	TEL: 505-345-3975
	FAX: 505-345-4107
V	Vebsite: www.hallenvironmental.com

SUB CO	ONTRATOR: ESC I	PACE COMPANY:	ESC P	ACE		PHONE:	(800) 767-58	59 FAX:	(615) 758-5859
ADDRE	ss: <b>12065</b>	Lebanon Rd			d	ACCOUNT #:		EMAIL:	
CITY, S	TATE, ZIP: Mt. Ju	ıliet, TN 37122							
ITEM	SAMPLE	CLIENT SAMPLE ID	ta Na Li t	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICA	L COMMENTS
14	1912719-014A	20191212C14TZM		40ZGU	Soil	12/12/2019 1:03:00 PM	1 Total Thalium		L1182730-14
15	1912719-015A	20191212C15TZM		40ZGU	Soil	12/12/2019 1:14:00 PM	1 Total Thalium		15

OF: 2

CHAIN OF CUSTODY RECORD 2

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:	Date: 1/23/20	Time: 20 11:08 AM	Received By:	Date U24/20	20 Time: 900	REPORT TRANSMITTAL DESIRED:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	HARDCOPY (extra cost) FAX EMAIL ONLINE
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY
тат: 🧲	andard 🗆	RUSE	Next BD 🗌 2nd BD	3rd	IBD	Temp of samples $11-3=0.5 \text{ c}$ Attempt to Cool? A377 $COCS I$ Comments: RAD SCREEN: CO.S. TAVE

Pace Analytical National Center for Testing & Inno	vation	
Cooler Receipt Form		
Client: HALLENVANM	2118	2736
Cooler Received/Opened On: [ 124/ 20 Temperature:	0.6	
Received By: Hailey, Melson		
Signature:		
ND	Yes	No
Receipt Check List NP	Tes	110
COC Seal Present / Intact?		1.
COC Signed / Accurate?	/	
Bottles arrive intact?		
Correct bottles used?	/	
Sufficient volume sent?	/	and a second
If Applicable		
VOA Zero headspace?		11.11
Preservation Correct / Checked?		Constant of the

Client:	Environm	nental Plus	, Inc								
Project:	EPI Treat	ment Zone	e Monito	oring							
Sample ID:	: MB-49349	Sampl	ype: <b>mb</b>	k	То	stCode: <b>E</b>	PA Method	300.0: Anions			
Client ID:	PBS		h ID: <b>493</b>			RunNo: 65		500.0. Amons			
Prep Date:	12/15/2019							Lipito: ma/Ka			
-	12/15/2019	Analysis D				SeqNo: 22		Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	: LCS-49349	SampT	ype: Ics		Te	stCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batc	h ID: <b>493</b>	49		RunNo: <b>65</b>	5195				
Prep Date:	12/15/2019	Analysis D	ate: 12	/15/2019		SeqNo: 22	237828	Units: mg/Kg			
Analyte		Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.7	90	110			
Sample ID:	: <b>MB-49353</b>	SampT	ype: <b>mb</b>	lk	Те	stCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batc	h ID: <b>493</b>	53		RunNo: 65	5201				
Prep Date:	12/16/2019	Analysis D	ate: 12	/16/2019		SeqNo: 22	239011	Units: mg/Kg			
Analyte		Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	: LCS-49353	SampT	ype: Ics		Te	stCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batc	h ID: <b>493</b>	53		RunNo: <b>65</b>	5201				
Prep Date:	12/16/2019	Analysis D	ate: 12	/16/2019		SeqNo: 22	239012	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	96.3	90	110			
Sample ID:	: <b>MB-49399</b>	SampT	ype: <b>mb</b>	lk	Te	stCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batc	h ID: <b>493</b>	99		RunNo: 65	5234				
Prep Date:	12/17/2019	Analysis D	ate: 12	/17/2019		SeqNo: 22	240756	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- B Analyte detected in the associated Method Blank
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL

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1912719

28-Jan-20

WO#:

Released to Imaging: 7/11/2025 1:50:26 PM

Reporting Limit

**Client:** 

**Project:** 

Client ID:

Prep Date:

Sample ID: LCS-49356

LCSS

12/16/2019

# ·y,

EPI Treatment Zone Monitoring

Environmental Plus, Inc

% Recovery outside of range due to dilution or matrix

Not Detected at the Reporting Limit

Practical Quanitative Limit

ND

PQL

S

28-Jan-20 

1912719

WO#:

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

SampType: LCS

Batch ID: 49356

Analysis Date: 12/17/2019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-49399	Samp	Type: <b>Ics</b>	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LCSS	Batc	h ID: <b>49</b> :	399	I	RunNo: <b>6</b>	5234				
Prep Date: 12/17/2019	Analysis E	Date: 12	2/17/2019	:	SeqNo: 22	240757	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride Diesel Range Organics (DRO)	14 60	1.5 10	15.00 50.00	0 0	92.9 119	90 63.9	110 124			
Surr: DNOP	5.4	10	5.000	0	108	70	130			
Sample ID: MB-49356	SampT	Гуре: МЕ	BLK	Tes	tCode: Ef	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batcl	h ID: <b>49</b> 3	56	F	RunNo: <b>65</b>	222				
Prep Date: 12/16/2019	Analysis E	Date: 12	2/17/2019	:	SeqNo: 22	239167	Units: <b>mg/K</b>	g		
Analyte	Result		SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND									
Motor Oil Range Organics (MRC		50								
Surr: DNOP	11		10.00		106	70	130			
Sample ID: LCS-49386	SampT	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Sample ID: LCS-49386 Client ID: LCSS		Гуре: <b>LC</b> h ID: <b>493</b>			tCode: <b>Ef</b> RunNo: <b>65</b>		8015M/D: Die	esel Range	Organics	
		h ID: 493	86	F		247	8015M/D: Die Units: mg/K	-	Organics	
Client ID: <b>LCSS</b> Prep Date: <b>12/17/2019</b> Analyte	Batcl	h ID: 493	8 <b>86</b> 2/18/2019 SPK value	F	RunNo: <b>65</b> SeqNo: <b>22</b>	2 <b>40533</b> LowLimit		-	<b>Organics</b> RPDLimit	Qual
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO)	Batch Analysis D Result 58	h ID: <b>493</b> Date: <b>1</b> 2	886 2/18/2019 SPK value 50.00	F	RunNo: <b>65</b> SeqNo: <b>22</b> %REC 117	240533 LowLimit 63.9	Units: <b>mg/K</b> HighLimit 124	g	-	Qual
Client ID: <b>LCSS</b> Prep Date: <b>12/17/2019</b> Analyte	Batcl Analysis I Result	h ID: <b>493</b> Date: <b>1</b> 2 PQL	8 <b>86</b> 2/18/2019 SPK value	F SPK Ref Val	RunNo: <b>65</b> SeqNo: <b>22</b> %REC	2 <b>40533</b> LowLimit	Units: <b>mg/K</b> HighLimit	g	-	Qual
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO)	Batcl Analysis E Result 58 5.4	h ID: <b>493</b> Date: <b>1</b> 2 PQL	886 2/18/2019 SPK value 50.00 5.000	F SPK Ref Val 0	RunNo: <b>65</b> SeqNo: <b>22</b> %REC 117 108	247 240533 LowLimit 63.9 70	Units: <b>mg/K</b> HighLimit 124	g %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP	Batcl Analysis I Result 58 5.4 SampT	h ID: <b>493</b> Date: <b>12</b> PQL 10	886 2/18/2019 SPK value 50.00 5.000	F SPK Ref Val 0 Tes	RunNo: <b>65</b> SeqNo: <b>22</b> %REC 117 108	240533 LowLimit 63.9 70 PA Method	Units: <b>mg/K</b> HighLimit 124 130	g %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49386	Batcl Analysis I Result 58 5.4 SampT	h ID: <b>493</b> Date: <b>12</b> PQL 10 Fype: <b>ME</b> h ID: <b>493</b>	886 2/18/2019 SPK value 50.00 5.000 BLK 886	F SPK Ref Val 0 Tes F	RunNo: 65 SeqNo: 22 %REC 117 108 tCode: EF	247 240533 LowLimit 63.9 70 24 Method 247	Units: <b>mg/K</b> HighLimit 124 130	g %RPD esel Range	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49386 Client ID: PBS	Batcl Analysis E Result 58 5.4 SampT Batcl	h ID: <b>493</b> Date: <b>12</b> PQL 10 Fype: <b>ME</b> h ID: <b>493</b>	886 2/18/2019 SPK value 50.00 5.000 SLK 886 2/18/2019	F SPK Ref Val 0 Tes F	RunNo: 65 SeqNo: 22 %REC 117 108 tCode: EF RunNo: 65 SeqNo: 22	247 240533 LowLimit 63.9 70 24 Method 247	Units: <b>mg/K</b> HighLimit 124 130 8015M/D: Die	g %RPD esel Range	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49386 Client ID: PBS Prep Date: 12/17/2019	Batcl Analysis I Result 58 5.4 SampT Batcl Analysis I	h ID: <b>493</b> Date: <b>12</b> PQL 10 Type: <b>ME</b> h ID: <b>493</b> Date: <b>12</b>	886 2/18/2019 SPK value 50.00 5.000 SLK 886 2/18/2019	F SPK Ref Val 0 Tes F	RunNo: 65 SeqNo: 22 %REC 117 108 tCode: EF RunNo: 65 SeqNo: 22	247 240533 LowLimit 63.9 70 24 Method 247 240535	Units: <b>mg/K</b> HighLimit 124 130 <b>8015M/D: Die</b> Units: <b>mg/K</b>	g %RPD esel Range	RPDLimit Organics	
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49386 Client ID: PBS Prep Date: 12/17/2019 Analyte	Batcl Analysis I Result 58 5.4 SampT Batcl Analysis I Result ND	h ID: <b>493</b> Date: <b>12</b> PQL 10 Type: <b>ME</b> h ID: <b>493</b> Date: <b>12</b> PQL	886 2/18/2019 SPK value 50.00 5.000 SLK 886 2/18/2019	F SPK Ref Val 0 Tes F	RunNo: 65 SeqNo: 22 %REC 117 108 tCode: EF RunNo: 65 SeqNo: 22	247 240533 LowLimit 63.9 70 24 Method 247 240535	Units: <b>mg/K</b> HighLimit 124 130 <b>8015M/D: Die</b> Units: <b>mg/K</b>	g %RPD esel Range	RPDLimit Organics	
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49386 Client ID: PBS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO Qualifiers: * Value exceeds Maximum Contamina	Batcl Analysis I Result 58 5.4 SampT Batcl Analysis I Result ND D) ND	h ID: <b>493</b> Date: <b>12</b> PQL 10 Fype: <b>ME</b> h ID: <b>493</b> Date: <b>12</b> PQL 10	886 2/18/2019 SPK value 50.00 5.000 SLK 886 2/18/2019	SPK Ref Val	RunNo: 65 SeqNo: 22 %REC 117 108 tCode: EF RunNo: 65 SeqNo: 22 %REC	247 240533 LowLimit 63.9 70 24 24 240535 LowLimit	Units: <b>mg/K</b> HighLimit 124 130 <b>8015M/D: Die</b> Units: <b>mg/K</b> HighLimit	g %RPD esel Range	RPDLimit Organics	
Client ID: LCSS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49386 Client ID: PBS Prep Date: 12/17/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO Qualifiers:	Batcl Analysis E Result 58 5.4 SampT Batcl Analysis E Result ND D) ND	h ID: <b>493</b> Date: <b>12</b> PQL 10 Fype: <b>ME</b> h ID: <b>493</b> Date: <b>12</b> PQL 10	886 2/18/2019 SPK value 50.00 5.000 SLK 886 2/18/2019	SPK Ref Val O Tes SPK Ref Val	RunNo: 65 SeqNo: 22 %REC 117 108 tCode: Ef RunNo: 65 SeqNo: 22 %REC	247 240533 LowLimit 63.9 70 24 24 240535 LowLimit	Units: mg/K HighLimit 124 130 8015M/D: Die Units: mg/K HighLimit Blank	g %RPD esel Range	RPDLimit Organics	

- Sample pH Not In Range Р
- RL Reporting Limit

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TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: mg/Kg

RunNo: 65222

SeqNo: 2239165

WO#: **1912719** 

28-Jan-20

Client: Environme	ental Plus	s, Inc								
Project: EPI Treati	ment Zon	e Monite	oring							
Sample ID: 1912719-012AMSD	Samp	Гуре: <b>МЅ</b>	D	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: 20191212C12TZM		h ID: <b>493</b>			RunNo: <b>65</b>			Ū	0	
Prep Date: 12/17/2019	Analysis [				SeqNo: 22		Units: mg/K	a		
	-						-	-		
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	Samp	Гуре: <b>МЅ</b>	i	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: 20191212C12TZM	Bato	h ID: <b>493</b>	86	ł	RunNo: <b>65</b>	5281				
Prep Date: 12/17/2019	Analysis [	Date: 12	/19/2019	:	SeqNo: 22	243122	Units: <b>mg/K</b>	g		
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	50.40	109	70	130			50
Diesel Range Organics (DRO) Surr: DNOP	63 4.8	20	48.92 4.892	50.49	25.9 97.8	57 70	142 130	55.7 0	20 0	RS
Sample ID: LCS-49458	Samp	Type: LCS	5	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: <b>494</b>	58		RunNo: <b>65</b>					
					Cooklos 21	45266	Units: mg/K	g		
Prep Date: 12/20/2019	Analysis [	Date: 12	/23/2019	•	SeqNo: 22		•			
Prep Date: 12/20/2019 Analyte	Analysis I Result			SPK Ref Val			-	%RPD	RPDLimit	Qual
Analyte	-	PQL	SPK value		%REC	LowLimit	-	%RPD	RPDLimit	Qual
	Result			SPK Ref Val			HighLimit	%RPD	RPDLimit	Qual
Analyte Diesel Range Organics (DRO)	Result 51	PQL	SPK value 50.00	SPK Ref Val	%REC 102	LowLimit 63.9	HighLimit	%RPD	RPDLimit	Qual
Analyte Diesel Range Organics (DRO)	Result 51 4.4	PQL	SPK value 50.00 5.000	SPK Ref Val	%REC 102 87.1	LowLimit 63.9 70	HighLimit			Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP	Result 51 4.4 Samp	PQL 10	SPK value 50.00 5.000	SPK Ref Val 0 Tes	%REC 102 87.1	LowLimit 63.9 70 PA Method	HighLimit 124 130			Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: <b>MB-49458</b>	Result 51 4.4 Samp	PQL 10 Type: <b>MB</b> h ID: <b>494</b>	SPK value 50.00 5.000	SPK Ref Val 0 Tes	%REC 102 87.1	LowLimit 63.9 70 PA Method 3352	HighLimit 124 130	esel Range		Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49458 Client ID: PBS Prep Date: 12/20/2019 Analyte	Result 51 4.4 Samp Bato	PQL 10 Type: <b>MB</b> h ID: <b>494</b>	SPK value 50.00 5.000	SPK Ref Val 0 Tes	%REC 102 87.1 atCode: EF RunNo: 65 SeqNo: 22	LowLimit 63.9 70 PA Method 5352 245267	HighLimit 124 130 8015M/D: Dia Units: mg/K	esel Range		Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49458 Client ID: PBS Prep Date: 12/20/2019 Analyte Diesel Range Organics (DRO)	Result 51 4.4 Samp Bato Analysis I Result ND	PQL 10 Type: <b>MB</b> th ID: <b>494</b> Date: <b>12</b> PQL 10	SPK value 50.00 5.000	SPK Ref Val 0 Tes	%REC 102 87.1 atCode: EF RunNo: 65 SeqNo: 22	LowLimit 63.9 70 PA Method 5352 245267	HighLimit 124 130 8015M/D: Dia Units: mg/K	esel Rango g	e Organics	
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49458 Client ID: PBS Prep Date: 12/20/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO	Result 51 4.4 Samp Bato Analysis I Result ND ND	PQL 10 Type: <b>MB</b> th ID: <b>494</b> Date: <b>12</b> PQL	SPK value 50.00 5.000 5LK 58 2/23/2019 SPK value	SPK Ref Val 0 Tes	%REC 102 87.1 atCode: Ef RunNo: 65 SeqNo: 22 %REC	LowLimit 63.9 70 PA Method 6352 245267 LowLimit	HighLimit 124 130 8015M/D: Die Units: mg/K HighLimit	esel Rango g	e Organics	
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-49458 Client ID: PBS Prep Date: 12/20/2019 Analyte Diesel Range Organics (DRO)	Result 51 4.4 Samp Bato Analysis I Result ND 9.5	PQL 10 Type: <b>MB</b> th ID: <b>494</b> Date: <b>12</b> PQL 10	SPK value 50.00 5.000	SPK Ref Val 0 Tes	%REC 102 87.1 atCode: EF RunNo: 65 SeqNo: 22	LowLimit 63.9 70 PA Method 5352 245267	HighLimit 124 130 8015M/D: Dia Units: mg/K	esel Rango g	e Organics	

#### 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

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**Client:** 

**Project:** 

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

Environmental Plus, Inc EPI Treatment Zone Monitoring

Sample ID:	mb-49340	SampTyp	pe: <b>MB</b>	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range	)	
Client ID:	PBS	Batch I	D: <b>493</b>	40	F	RunNo: <b>65</b>	5197				
Prep Date:	12/13/2019	Analysis Dat	te: 12	2/16/2019	Ş	SeqNo: 22	238427	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	mb-49340	SampTyp	pe: <b>MB</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batch I	D: <b>493</b>	40	F	RunNo: <b>65</b>	5197				
Prep Date:	12/13/2019	Analysis Dat	te: 12	2/16/2019	Ş	SeqNo: 22	238470	Units: <b>mg/K</b>	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	lcs-49340	SampTyp	pe: <b>LC</b>	S	Tes	tCode: El	PA Method	8015D: Gaso	line Range	)	
Client ID:	LCSS	Batch I	D: <b>493</b>	40	F	RunNo: <b>65</b>	5197				
Prep Date:	12/13/2019	Analysis Dat	te: 12	2/16/2019	Ś	SeqNo: 22	238428	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rar	nge 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	SampTy	pe: <b>ME</b>	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range	)	
Client ID:	PBS	Batch	ID: <b>49</b> 3	336	F	RunNo: <b>6</b>	5198				
Prep Date:	12/13/2019	Analysis Dat	te: 12	2/16/2019	S	SeqNo: 22	238493	Units: <b>mg/K</b>	9		
Analyte			PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	nge Organics (GRO)		5.0								
Surr: BFB		860		1000		85.6	66.6	105			
Sample ID:	lcs-49336	SampTyp	pe: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Range	)	
Client ID:	LCSS	Batch I	D: <b>493</b>	36	F	RunNo: <b>65</b>	5198				
Prep Date:	12/13/2019	Analysis Dat	te: 12	2/16/2019	S	SeqNo: 22	238494	Units: <b>mg/K</b>	g		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRC	) 24	5.0	25.00	0	97.9	80	120			
Surr: BFB	870		1000		86.7	66.6	105			

Benzene

**Qualifiers:** 

D

Н

ND

PQL

S

ND 0.025

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

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WO#: 1912719

28-Jan-20

WO#: 1912719

28-Jan-20

		J 516 1		<i>si y</i> , <i>met</i>						20 <b>-</b> Jun-	
Client: Environm	nental Plus	s, Inc									
Project: EPI Treat	tment Zon	e Monit	oring								
Sample ID: mb-49336	Samp	Туре: <b>МВ</b>	BLK	Tes	stCode: Ef	PA Method	8021B: Volatile	s			
Client ID: PBS	Batc	h ID: <b>493</b>	336	RunNo: <b>65198</b>							
Prep Date: 12/13/2019	Analysis [	Date: 12	2/16/2019	:	SeqNo: 22	238525	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 Surr: 4-Bromofluorobenzene	ND 1.0	0.10	1.000		102	80	120				
Sample ID: LCS-49340	Samp	Туре: <b>LC</b>	S	Tes	stCode: EF	PA Method	8021B: Volatile	s			
Client ID: LCSS	Batc	h ID: <b>493</b>	840	RunNo: <b>65197</b>							
Prep Date: 12/13/2019	Analysis [	Date: 12	2/16/2019 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 Surr: 4-Bromofluorobenzene	2.9 1.0	0.10	3.000 1.000	0	96.4 103	80 80	120 120				
Sample ID: 1912719-005ams	Samp	Туре: <b>МЅ</b>	;	Tes	stCode: EF	PA Method	8021B: Volatile	s			
Client ID: 20191212C5TZM	Batc	h ID: <b>493</b>	840	F	RunNo: <b>65</b>	197					
Prep Date: 12/13/2019	Analysis [	Date: 12	2/16/2019	:	SeqNo: 22	238473	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	0.04	0.000	0.0040		00 5	70	400				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LOWLIMIT	HighLimit	%RPD RPD	DLimit	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	l SampT	ype: <b>MS</b>	D	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: 20191212C5TZN	Batch	n ID: <b>493</b> 4	40	F	RunNo: <b>65</b>	5197				
Prep Date: 12/13/2019	Analysis D	ate: 12	/16/2019	5	SeqNo: 22	238474	Units: <b>mg/K</b>	g		
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.

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

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Client:	Environmental Plus, Inc
Project:	EPI Treatment Zone Monitoring

Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND         0.025           ND         0.050           ND         0.050           ND         0.10           1.1         1.000	105 80 120	
Sample ID: LCS-49336	SampType: <b>LCS</b>	TestCode: EPA Method 8021B: Volatiles	
Client ID: LCSS	Batch ID: <b>49336</b>	RunNo: 65198	

Client ID. LC33	Dalc	n id. 493	30	Г		0190				
Prep Date: 12/13/2019	Analysis [	Date: 12	2/16/2019		SeqNo: 22	238526	Units: <b>mg/Kg</b>			
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.

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

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WO#: 1912719

28-Jan-20

Client: Project:		nental Plus tment Zone		oring							
Client ID:	: MB-49440 PBS	Batc	Гуре: <b>МВ</b> h ID: <b>49</b> 4	40	Te	RunNo: <b>6</b> 5	5320	7471: Mercu			
Prep Date: Analyte	12/19/2019	Analysis E		/20/2019 SPK value SPK Re	f \/ol	SeqNo: 22		Units: <b>mg/k</b>	(g		
Mercury		Result ND	PQL 0.033	SPK value SPK Ke	i vai	%REC	LOWLIMIL	HighLimit	%RPD	RPDLimit	Qual
			0.000								
Sample ID	: LLLCS-49440	Samp	Гуре: <b>LC</b>	SLL	Те	stCode: El	PA Method	7471: Mercu	ry		
Client ID:	BatchQC	Batc	h ID: <b>49</b> 4	40		RunNo: 65	5320				
Prep Date:	12/19/2019	Analysis E	Date: 12	/20/2019		SeqNo: 22	243762	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL	SPK value SPK Re	f Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury		ND	0.033	0.006660	0	83.6	70	130			
Sample ID	: LCS-49440	Samp	Гуре: <b>LC</b>	S	Те	stCode: El	PA Method	7471: Mercu	ry		
Client ID:	LCSS	Batc	h ID: <b>49</b> 4	40		RunNo: 65	5320				
Prep Date:	12/19/2019	Analysis E	Date: 12	/20/2019		SeqNo: 22	243763	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL	SPK value SPK Re	f Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury		0.15	0.033	0.1667	0	92.5	80	120			
Sample ID	: 1912719-013AMS	Samp <sup>-</sup>	Гуре: <b>МЅ</b>		Те	stCode: El	PA Method	7471: Mercu	ry		
Client ID:	20191212C13TZ	M Batc	h ID: <b>49</b> 4	40		RunNo: <b>65</b>	5320				
Prep Date:	12/19/2019	Analysis E	Date: 12	/20/2019		SeqNo: 22	243766	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL	SPK value SPK Re	f Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury		0.15	0.032	0.1594	0	91.5	80	120			
Sample ID	: 1912719-013AMSI	D Samp	Гуре: <b>МЅ</b>	D	Те	stCode: El	PA Method	7471: Mercu	ry		
Client ID:	20191212C13TZ	M Batc	h ID: <b>49</b> 4	40		RunNo: <b>65</b>	5320				
Prep Date:	12/19/2019	Analysis E	Date: 12	/20/2019		SeqNo: 22	243767	Units: <b>mg/ł</b>	٢g		
Analyte		Result	PQL	SPK value SPK Re	f Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

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WO#:

*n* 20

**Client:** 

Analyte

Mercury

Client ID:

Prep Date:

Analyte

Mercury

Barium

Antimony

Beryllium

Cadmium

Chromium

**Qualifiers:** 

Copper

Iron

D

Sample ID: 1912719-001AMSD

1/7/2020

20191212C1TZM

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Environmental Plus, Inc

Result

Result

0.18

ND

ND

ND

ND

ND

ND

ND

0.18

PQL

0.033

SampType: MSD

Batch ID: 49680

PQL

0.033

2.5

0.10

0.15

0.10

0.30

0.30

2.5

Analysis Date: 1/8/2020

SPK value SPK Ref Val

SPK value SPK Ref Val

В

Е

0.01642

0.01642

0.1649

0.1658

Holding times for preparation or analysis exceeded	J	Analyte detected below quantita
Not Detected at the Reporting Limit	Р	Sample pH Not In Range
Practical Quanitative Limit	RL	Reporting Limit
% Recovery outside of range due to dilution or matrix		
ased to Imaging: 7/11/2025 1:50:26 PM		
	Not Detected at the Reporting Limit Practical Quanitative Limit	Not Detected at the Reporting Limit     P       Practical Quanitative Limit     RL       % Recovery outside of range due to dilution or matrix

Sample ID:	MB-49680	Samp <sup>-</sup>	Туре: <b>МВ</b>	LK	Tes	stCode: El	PA Method	7471: Mercury	/		
Client ID:	PBS	Batc	h ID: <b>496</b>	80		RunNo: <b>65</b>	635				
Prep Date:	1/7/2020			2020 SeqNo: 2 wLimit HighLi		s: <b>mg/Kg</b>	Result PQL	SPK value SPF	K		
Analyte									%RPD	RPDLimit	Qual
Mercury		ND	0.033								
Mercury		ND	0.033	0.006660	0	99.9	70	130			
Sample ID:	LCS-49680	Samp	Type: <b>LC</b>	s	Tes	stCode: <b>Ef</b>	PA Method	7471: Mercury	/		
Client ID:	LCSS	Batc	h ID: <b>496</b>	80		RunNo: <b>65</b>	635				
Prep Date:	1/7/2020	Analysis D	Date: 1/3	8/2020		SeqNo: 22	254655	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value S	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	Samp	Туре: <b>МЅ</b>	i	Tes	stCode: El	PA Method	7471: Mercury	/		
Client ID:	20191212C1TZM	Batc	ch ID: <b>496</b>	80		RunNo: <b>6</b> 5	635				
Prep Date:	1/7/2020	Analysis D	Date: 1/8	8/2020		SeqNo: 22	254657	Units: mg/Kg	I		

%REC

97.0

RunNo: 65635

97.3

SeqNo: 2254658

%REC LowLimit

LowLimit

TestCode: EPA Method 7471: Mercury

80

80

HighLimit

120

Units: mg/Kg

120

HighLimit

%RPD

%RPD

0.830

RPDLimit

RPDLimit

20

Qual

Qual

Project: EPI Tr	eatment Zone Monitoring		
Sample ID: LCSLL-49680 Client ID: BatchQC	SampType: LCSLL Batch ID: 49680	TestCode: EPA Method 7471: Mercury 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 %F	RPD RPDLimit
Sample ID: MB-49680	SampType: MBLK	TestCode: EPA Method 7471: Mercury	
Client ID: PBS	Batch ID: 49680	RunNo: <b>65635</b>	
Prep Date: <b>1/7/2020</b>	Analysis Date: <b>1/8/2020</b> SeqNo: Ref Val %REC LowLimit HighL	2254653 Units: mg/Kg Result PQL SPK value SPK .imit	

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Qual

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Value above quantitation range J Analyte detected below quantitation limits

Analyte detected in the associated Method Blank

Client:	Environmental Plus, Inc
Project:	EPI Treatment Zone Monitoring

Sample ID: MB-49414	SampType: <b>MBLK</b> T			estCode: El					
Client ID: PBS	Batch ID: <b>49414</b>		RunNo: 6	5434					
Prep Date: 12/18/2019	Analysis D	ate: 12	/24/2019	SeqNo: 22	247694	Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value SPK Ref Va	NREC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.25							
Manganese	ND	0.10							
Silver	ND	0.25							
Zinc	ND	2.5							

Sample ID: LCS-494	414	Samp	Гуре: <b>LC</b>	S	Tes	TestCode: EPA Method 6010B: Soil Metals					
Client ID: LCSS		Batch ID: 49414			I	RunNo: <b>6</b>	5434				
Prep Date: 12/18/	2019	Analysis Date: 12/24/2019			:	SeqNo: 22	247696	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value SI	PK 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			

ample ID: MB-49677         SampType: MBLK           ent ID:         PBS         Batch ID: 49677           ep Date:         1/7/2020         Analysis Date:         1/9/2020			F	stCode: <b>EF</b> RunNo: <b>65</b> SeqNo: <b>22</b>	673	6010B: Soil Me Units: mg/Kg	tals			
Analyte	Result	PQL	SPK value SPF		%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.
   D Sample Diluted Due to Matrix
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- 5 1 1
- NDNot Detected at the Reporting LimitPQLPractical Quanitative 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

### WO#: **1912719**

28-Jan-20

Client:	Environm	ental Plus, Inc								
Project:	EPI Treat	ment Zone Mo	nitoring							
Sample ID:	LCS-49677	SampType:	LCS	Te	estCode: E	PA Method	6010B: Soil Me	etals		
Client ID:	LCSS	Batch ID:	49677		RunNo: 6	5673				
Prep Date:	1/7/2020	Analysis Date:	1/9/2020		SeqNo: 2	255882	Units: <b>mg/Kg</b>			
Analyte		Result PC	L SPK V	/alue SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	1912719-001AMS	SampType:	MS	Te	estCode: E	PA Method	6010B: Soil M	etals		
Client ID:	20191212C1TZM	Batch ID:	49677		RunNo: 6	5673				
Prep Date:	1/7/2020	Analysis Date:	1/9/2020		SeqNo: 2	255884	Units: <b>mg/Kg</b>			
Analyte		Result PC	L SPK \	value SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic 26 0 89		5.46 0 25	104	75 125 Se	lenium	23	5.1 25.46			
Sample ID: Client ID:	1912719-001AMSE	<ul> <li>SampType:</li> <li>Batch ID:</li> </ul>		Te			6010B: Soil M	etals		
Prep Date:	20191212C1TZM 1/7/2020	Analysis Date:			RunNo: 6 SeqNo: 2		Units: <b>mg/Kg</b>			
Analyte	1/1/2020	Result PC		value SPK Ref Val			HighLimit	%RPD	RPDLimit	Qual
Arsenic		25 5	5.1 2	5.29 0	97.7	75	125	6.57	20	Quui
Selenium		23 5	5.1 29	5.29 0	90.5	75	125	0.197	20	
Sample ID:	MB-49677	SampType:	MBLK	Te	estCode: E	PA Method	6010B: Soil Me	etals		
Client ID:	PBS	Batch ID:	49677		RunNo: 6	5673				
Prep Date:	1/7/2020	Analysis Date:	1/9/2020		SeqNo: 2	255982	Units: <b>mg/Kg</b>			
Analyte		Result PC	L SPK V	value SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron Lead		ND 2.5 ND 0.25								
Sample ID: Client ID:	LCS-49677 LCSS	SampType: Batch ID:		Te	estCode: E RunNo: 6		6010B: Soil M	etals		
Prep Date:	1/7/2020	Analysis Date:			SeqNo: 2		Units: mg/Kg			
Analyte		Result PC		value SPK Ref Val			HighLimit	%RPD	RPDLimit	Qual
•				80 120 Lea	ad 25	0.25	25.00 0			Quui

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28-Jan-20

Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

D

% Recovery outside of range due to dilution or matrix S

Value exceeds Maximum Contaminant Level.

- В Analyte detected in the associated Method Blank Е
  - Value above quantitation range
  - J Analyte detected below quantitation limits
  - Р Sample pH Not In Range
  - RL Reporting Limit

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### **QC SUMMARY REPORT** Hall E Client:

Hall E	nvironmenta	l Analy	sis L	aborator	y, Inc.						28-Jai
					J)						20 04
Client:		ental Plus,									
Project:	EPI Treat	ment Zone	Monit	oring							
Sample ID	: 1912719-001AMS	SampT	ype: <b>MS</b>	5	Tes	stCode: Ef	PA Method	6010B: Soil M	etals		
Client ID:	20191212C1TZM	Batch	n ID: <b>496</b>	677		RunNo: <b>65</b>	5673				
Prep Date:	1/7/2020	Analysis D	ate: 1/	9/2020		SeqNo: 22	256014	Units: mg/Kg	I		
Analyte		Result	PQL	SPK value SF	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID	: 1912719-001AMS	SampT	ype: <b>MS</b>	;	Tes	stCode: El	PA Method	6010B: Soil M	etals		
Client ID:	20191212C1TZM	Batch	n ID: <b>496</b>	677		RunNo: 65	5673				
Prep Date:	1/7/2020	Analysis D	ate: 1/	9/2020		SeqNo: 22	256014	Units: mg/Kg	l		
Analyte		Result	PQL	SPK value SF	PK Ref Val	%REC	LowLimit	HighLimit	%RPD		- ·
and		27	0.51	25.46	1.630	98.9	75	125		RPDLimit	Qual
Lead		21	0.51	25.40	1.030	96.9	75	125			
Sample ID	: 1912719-001AMSE	<b>)</b> SampT	ype: <b>MS</b>	D	Tes	stCode: Ef	PA Method	6010B: Soil M	etals		
Client ID:	20191212C1TZM	Batch	n ID: <b>496</b>	677		RunNo: <b>65</b>	5673				
Prep Date:	1/7/2020	Analysis D	ate: 1/	9/2020		SeqNo: 22	256015	Units: mg/Kg	l		
Analyte		Result	PQL	SPK value SF	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
_ead		27	0.51	25.29	1.630	101	75	125	1.36	20	
0	ND 40077	0 T			T						
Client ID:	: MB-49677 PBS		ype: <b>ME</b> 1 ID: <b>496</b>			RunNo: 65		6010B: Soil M	etais		
Prep Date:	1/7/2020	Analysis D				SeqNo: 22		Units: mg/Kg			
	1/1/2020	-									
Analyte		Result	PQL	SPK value SF	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony		ND	2.5								
Barium Beryllium		ND ND	0.10 0.15								
Cadmium		ND	0.10								
Chromium		ND	0.30								
Manganese	;	0.17	0.10								
Silver		ND	0.25								
Zinc		ND	2.5								
	: LCS-49677	SampT	ype: LC	S	Te	stCode: El	PA Method	6010B: Soil M	etals		
Sample ID	LCSS	Batch	n ID: <b>496</b>	677		RunNo: <b>6</b>	5705				
•	ECCC	A	ate: 1/	10/2020		SeqNo: 22	256823	Units: <b>mg/Kg</b>	I		
Client ID:	1/7/2020	Analysis D						HighLimit	%RPD		
Client ID:		Result	PQL	SPK value SI	PK Ref Val	%REC	LowLimit	riigiiLiinii	%RFD	RPDLimit	Qual
Client ID: Prep Date:		-		SPK value SF 25.00	PK Ref Val	%REC 97.7	LowLimit 80	120	%RFD	RPDLimit	Qual

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Value above quantitation range Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 26 of 28

Page 201 of 356

WO#: 1912719

Client:	Environmental Plus	, Inc							
Project:	EPI Treatment Zone	e Monitor	ing						
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	В	3
Silver	5.0	0.25	5.000	0	100	80	120		
Zinc	24	2.5	25.00	0	97.3	80	120		
Antimony Barium	10 69	5.1 0.20	25.46 25.46	0 39.80	39.8 113	75 75	125 125	S	;
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: <b>1912719-001AMSE</b> Client ID: <b>20191212C1TZM</b>	•	Гуре: <b>MS</b> h ID: <b>496</b>			stCode: <b>El</b> RunNo: <b>6</b> !		6010B: Soil I	Vletals		
Prep Date: 1/7/2020	Analysis D	Date: 1/*	10/2020	:	SeqNo: 22	256845	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value S	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: <b>49792</b>	RunNo: 65839	
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2261118 Units: mg/Kg	
Analyte	Result PQL SPK value SPF	Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ual

#### 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

WO#: **1912719** 

EPI Treatment Zone Monitoring

28-Jan-20

WO#:

пан спу	Ironinental Analysis Laboratol
Client:	Environmental Plus. Inc

Sample ID:	1912719-001AMS	SampType	e: <b>MS</b>	TestCode:	EPA Method	6010B: Soil Me	tals		
Client ID:	20191212C1TZM	Batch ID	D: <b>49677</b>	RunNo	65705				
Prep Date:	1/7/2020	Analysis Date	: <b>1/10/2020</b>	SeqNo	2256842	Units: <b>mg/Kg</b>			
Analyte		Result F	PQL SPK value S	SPK Ref Val %RE	C LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	1912719-001AMS	SampType	e: <b>MS</b>	TestCode:	EPA Method	6010B: Soil Me	tals		
Client ID:	20191212C1TZM	Batch ID	): <b>49792</b>	RunNo	65839				
Prep Date:	1/14/2020	Analysis Date	: <b>1/15/2020</b>	SeqNo	2261125	Units: <b>mg/Kg</b>			
Analyte		Result F	PQL SPK value S	SPK Ref Val %RE	C LowLimit	HighLimit	%RPD	RPDLimit	Qual

Copper 0.39 0.30 Silver ND 0.25

**Project:** 

Sample ID: LCS-49792	SampT	ype: LC	S	Tes	tCode: EF	PA Method	6010B: Soil Me	tals		
Client ID: LCSS	Batc	h ID: <b>497</b>	92	I	RunNo: <b>65</b>	5839				
Prep Date: 1/14/2020	Analysis D	ate: 1/1	15/2020	:	SeqNo: 22	261120	Units: mg/Kg			
Analyte	Result	PQL	SPK value S	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	26	0.30	25.00	0	102	80	120			В
Silver Copper	4.9 27	0.25 0.59	5.000 24.62	0 2.089	97.1 103	80 75	120 125			

Sample ID: 1912719-001AMSI	<b>)</b> SampT	ype: <b>MS</b>	D	Te	stCode: El	PA Method	6010B: Soil N	Vietals		
Client ID: 20191212C1TZM	Batch	n ID: <b>497</b>	92		RunNo: <b>65</b>	6839				
Prep Date: 1/14/2020	Analysis D	ate: 1/1	15/2020		SeqNo: 22	261126	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value SI	PK 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.

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

Page 28 of 28

1912719

HALL	1/2025 1:4	45:11 PM	На	all Environme	ental Analysis Lo	boratory			Page 204 of
ANAL	ONMENT SIS Ratory	AL	TE	EL: 505-345		wkins NE M 87109 345-4107	San	nple Log-In Check L	ist
Client Name:	ENVIRON	MENTAL PLUS	S Work	Order Nun	nber: 1912719			RcptNo: 1	
Received By:	Yazmine	Garduno	12/13/2	2019 9:05:0	0 AM	np	zmin lighneut	ě	
Completed By:	Yazmine	Garduno	12/13/2	2019/10:50:	48 AM	No	zmin lighdert	6	
Reviewed By:	1B		12/13	3/19		v			
Chain of Cus	tody								
1. Is Chain of C	istody suffic	iently complete	?		Yes 🗸	١	No 🗌	Not Present	
2. How was the	sample deliv	vered?			Courier				
Log In 3. Was an attem	nt made to (	cool the sample	2		Yes 🗸		No 🗌		
		soon the sample	55 !						
4. Were all samp	les received	at a temperati	ure of >0° C	to 6.0°C	Yes 🔽	Ν	No 🗌		
5. Sample(s) in p	proper conta	iner(s)?			Yes 🗹	٢	<b>1</b> 0		
6. Sufficient sam	ple volume f	or indicated tes	st(s)?		Yes 🗹	N	lo 🗌		
7. Are samples (	except VOA	and ONG) prop	perly preserv	ed?	Yes 🗸	N	o 🗌		
8. Was preserva	ive added to	bottles?			Yes	N	o 🔽	NA 🗌	
9. Received at le	ast 1 vial wit	h headspace <	1/4" for AQ \	VOA?	Yes	N	o 🗌	NA 🗹	
10. Were any san					Yes	Ν	10 🔽	# of preserved	/
11. Does paperwo (Note discrepa					Yes 🔽	N	lo 🗌	bottles checked for pH: (<2 or >12 unless	noted)
12. Are matrices o			of Custody?		Yes 🖌	N	•	Adjusted?	
13. Is it clear what	analyses we	ere requested?			Yes 🔽	N	o 🗌		
14. Were all holdir (If no, notify cu					Yes 🗹	Ν	•	Checked by: ENM 1	2/13/
Special Handl	ng (if app	licable)							
15. Was client no			ith this order	?	Yes 🗌	٨	10	NA 🔽	
Person	Notified:			Date					
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16. Additional rer	narks:								
17. <u>Cooler Infor</u>									
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Page 1 of 1

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**Analytical Report** Lab Order 2001058

Hall Environmental Analysis Laboratory, Inc.

HALL **ENVIRONMENTAL** ANALYSIS LABORATORY

January 09, 2020

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

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

**RE:** EPI Background Samples Dear Pat McCasland:

OrderNo.: 2001058

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.

В

**Qualifiers:** 

*	Value exceed	ls Ma	aximum Contaminant Level.	В
Diluted I	Due to Matrix	Е	Value above quantitation ran	ge

H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix Analyte detected in the associated Method Blank D Sample

Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

Page 3 of 19

**Analytical Report** Lab Order 2001058

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2020

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

<ul><li>CLIENT: Environmental Plus, Inc</li><li>Project: EPI Background Samples</li><li>Lab ID: 2001058-001</li></ul>	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 Qu	al 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 RANG	E				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.

В

#### **Qualifiers:**

#### \* Value exceeds Maximum Contaminant Level.

- Diluted Due to Matrix E Value above quantitation range
- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 19

Date Reported: 1/9/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Background Samples 2001058-002	Client Sample ID:BG East N Collection Date: 12/30/2019 4:50:00 F Received Date: 1/3/2020 9:00:00 AM					
	2001038-002	Matrix: SOIL	<b>N</b> C		• 17 57 20	20 9.00.00 AW	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA METH	HOD 8015M/D: DIESEL RANGE	EORGANICS				Analyst: BRM	
Diesel Ra	nge 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: D	NOP	105	55.1-146	%Rec	1	1/8/2020 1:06:50 PM	
EPA METH	HOD 8015D: GASOLINE RANG	Ε				Analyst: NSB	
Gasoline I	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/6/2020 9:28:38 PM	
Surr: Bl	FB	84.4	66.6-105	%Rec	1	1/6/2020 9:28:38 PM	
EPA METH	HOD 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	
Ethylbenz	ene	ND	0.047	mg/Kg	1	1/6/2020 9:28:38 PM	
Xylenes, 7	Fotal	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 METH	HOD 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.

В

#### Qualifiers:

### ers: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - -
- RL Reporting Limit

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Date Reported: 1/9/2020

CLIENT: Environmental Plus, Inc Project: EPI Background Samples			Client Sample ID:BG Center E Collection Date: 12/31/2019 8:15:00 AM				
Lab ID:	2001058-003	Matrix: SOIL	Ree	ceived Date	:1/3/20	20 9:00:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	inge 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: D	NOP	88.6	70-130	%Rec	1	1/7/2020 11:50:12 AM	
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/6/2020 9:51:50 PM	
Surr: B	FB	79.2	66.6-105	%Rec	1	1/6/2020 9:51:50 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/9/2020

CLIENT: Environmental Plus, Inc Project: EPI Background Samples			Client Sample ID:BG North E Collection Date: 12/31/2019 9:15:00 AM				
Lab ID:	2001058-004	Matrix: SOIL	<b>Received Date:</b> 1/3/2020 9:00:00 AM				
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: BRM	
Diesel Ra	inge 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: D	NOP	91.7	70-130	%Rec	1	1/7/2020 11:59:20 AM	
EPA MET	HOD 8015D: GASOLINE RANG	<b>BE</b>				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/6/2020 10:15:02 PM	
Surr: B	FB	80.8	66.6-105	%Rec	1	1/6/2020 10:15:02 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

ers: \* Value exceeds Maximum Contaminant Level.

#### Diluted Due to Matrix E Value above quantitation range

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

Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/9/2020

CLIENT: Environmental Plus, IncProject:EPI Background SamplesLab 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.

В

#### Qualifiers:

### ers: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - - 0
- RL Reporting Limit

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Date Reported: 1/9/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Background Samples 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 Qu	al Units	DF	Date Analyzed	
EPA METH	OD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	nge 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: DI	NOP	92.5	70-130	%Rec	1	1/7/2020 12:17:37 PM	
EPA METH	IOD 8015D: GASOLINE RANG	E				Analyst: NSB	
Gasoline F	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/6/2020 11:01:21 PM	
Surr: BF	FB	78.3	66.6-105	%Rec	1	1/6/2020 11:01:21 PM	
EPA METH	IOD 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	
Ethylbenz	ene	ND	0.049	mg/Kg	1	1/6/2020 11:01:21 PM	
Xylenes, T	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 METH	IOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**Analytical Report** Lab Order 2001058

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2020

CLIENT: Environmental Plus, Inc Project: EPI Background Samples			Client Sample ID:BG North WW Collection Date:12/31/2019 10:35:00 AM				
Lab ID:	2001058-007	Matrix: SOIL	Ree	ceived Date	:1/3/202	20 9:00:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	104	70-130	%Rec	1	1/7/2020 12:26:52 PM	
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/6/2020 11:24:27 PM	
Surr: B	FB	80.4	66.6-105	%Rec	1	1/6/2020 11:24:27 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/9/2020

CLIENT: Environmental Plus, Inc Project: EPI Background Samples			Client Sample ID:BG West N Collection Date: 12/31/2019 10:50:00 AM				
Lab ID:	2001058-008	Matrix: SOIL	Ree	ceived Date	:1/3/20	20 9:00:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	inge 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: D	NOP	91.0	70-130	%Rec	1	1/7/2020 12:36:08 PM	
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/6/2020 11:47:33 PM	
Surr: B	FB	79.6	66.6-105	%Rec	1	1/6/2020 11:47:33 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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**Analytical Report** Lab Order 2001058

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2020

CLIENT: Project:	Environmental Plus, Inc EPI Background Samples	Client Sample ID:BG West S Collection Date: 12/31/2019 11:09:00 AM					
Lab ID:	2001058-009	Matrix: SOIL	Re	ceived Date	:1/3/20	20 9:00:00 AM	
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	128	70-130	%Rec	1	1/7/2020 1:31:04 PM	
EPA MET	HOD 8015D: GASOLINE RANG	Ε				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	1/7/2020 12:10:39 AM	
Surr: B	FB	81.1	66.6-105	%Rec	1	1/7/2020 12:10:39 AM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

#### Diluted Due to Matrix E Value above quantitation range

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 Analyte detected in the associated Method Blank D Sample

> J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2020

CLIENT:	Environmental Plus, Inc		Client	Sample ID	:BG Sc	outh E			
Project:	EPI Background Samples		Colle	ection Date	:12/31/	2019 11:22:00 AM			
Lab ID:	2001058-010	Matrix: SOIL	<b>Received Date:</b> 1/3/2020 9:00:00 AM						
Analyses		Result	RL Qu	al Units	DF	Date Analyzed			
EPA MET	HOD 8015M/D: DIESEL RANG	EORGANICS				Analyst: BRM			
Diesel Ra	inge 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: D	NOP	115	70-130	%Rec	1	1/7/2020 1:58:35 PM			
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: NSB			
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/7/2020 9:52:07 AM			
Surr: B	FB	89.4	66.6-105	%Rec	1	1/7/2020 9:52:07 AM			
EPA MET	HOD 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			
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Analytical Report Lab Order 2001058

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2020

	Environmental Plus, Inc			Sample ID						
Project:	EPI Background Samples		Collection Date: 12/31/2019 11:32:00 AM Received Date: 1/3/2020 9:00:00 AM							
Lab ID:	2001058-011	Matrix: SOIL	Rec	ceived Date	:1/3/20	20 9:00:00 AM				
Analyses		Result	RL Qu	al Units	DF	Date Analyzed				
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: BRM				
Diesel Ra	inge 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: D	NOP	142	55.1-146	%Rec	1	1/8/2020 1:29:06 PM				
EPA MET	HOD 8015D: GASOLINE RANG	<b>BE</b>				Analyst: NSB				
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/7/2020 11:08:57 AM				
Surr: B	FB	80.4	66.6-105	%Rec	1	1/7/2020 11:08:57 AM				
EPA MET	HOD 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				
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

## rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Background Samples 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				Date Analyzed				
EPA MET	HOD 8015M/D: DIESEL RANGE					Analyst: BRM				
Diesel Ra	ange 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: D	NOP	75.2	70-130	%Rec	1	1/7/2020 2:16:57 PM				
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: NSB				
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/7/2020 12:19:28 PM				
Surr: B	FB	90.4	66.6-105	%Rec	1	1/7/2020 12:19:28 PM				
EPA MET	HOD 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				
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Environr	nental Plus, Inc				
Project:	EPI Back	ground Samples				
Sample ID	MB-49656	SampType: <b>mblk</b>	TestCode: EPA Method	300 0: Anions		
Client ID:	PBS	Batch ID: 49656	RunNo: 65598	500.0. Anions		
Prep Date:	1/6/2020	Analysis Date: 1/6/2020	SeqNo: 2253202	Units: <b>mg/Kg</b>		
-	1/0/2020	-				
Analyte		Result PQL SPK value S	PK Ref Val %REC LowLimit	HighLimit	%RPD RPDL	imit Qual
Chloride		ND 1.5				
Sample ID	LCS-49656	SampType: Ics	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 S	PK Ref Val %REC LowLimit	HighLimit	%RPD RPDL	imit Qual
Chloride		14 1.5 15.00	0 92.6 90	110		
Sample ID	MB-49642	SampType: <b>mblk</b>	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 SI	PK Ref Val %REC LowLimit	HighLimit	%RPD RPDL	.imit Qual
Chloride		ND 1.5				
Sample ID	LCS-49642	SampType: Ics	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 SI	PK Ref Val %REC LowLimit	HighLimit	%RPD RPDL	imit Qual
Chloride		14 1.5 15.00	0 92.7 90	110		
Sample ID	MB-49645	SampType: <b>mblk</b>	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 S	PK Ref Val %REC LowLimit	HighLimit	%RPD RPDL	imit Qual
Chloride		ND 1.5				

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

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.

2001058

09-Jan-20

WO#:

**Client:** 

**Project:** 

Client ID:

Prep Date:

Analyte

Sample ID: 2001058-009AMS

Sample ID: LCS-49645

**BG West S** 

1/6/2020

Environmental Plus, Inc

EPI Background Samples

Result

09-Jan-20

WO#:

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

SampType: MS

Batch ID: 49647

Analysis Date: 1/7/2020

SampType: Ics

PQL

	Te	stCode: El	PA Method	8015M/D: Die	esel Range	• Organics	
47		RunNo: 6	5612				
7/2020		SeqNo: 22	253774	Units: <b>mg/K</b>	g		
SPK value SPK Ref	Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Te	stCode: El	PA Method	300.0: Anion	s		

Client ID: LCSS	Batc	h ID: <b>496</b>	45		RunNo: 65	601			
Prep Date: 1/6/2020	Analysis D	ate: 1/6	6/2020		SeqNo: 22	253285	Units: mg/Kg		
Analyte	Result	PQL	SPK value S	PK 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: 2001058-009AMS	D Samp	Туре: <b>МЅ</b>	D	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BG West S	Batc	h ID: <b>496</b>	47	I	RunNo: <b>65</b>	5612				
Prep Date: 1/6/2020	Analysis E	Date: 1/7	7/2020		SeqNo: 22	253775	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value S	PK 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	SampT	ype: LC	s	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS Batch ID: 49627					RunNo: 65612							
rep Date: 1/6/2020 Analysis Date: 1/7/2020					SeqNo: 22	253783	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value SP	K 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	ble ID: LCS-49646 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organi							e Organics	
Client ID: LCSS	Batch	ID: <b>496</b>	46	RunNo: 65	5612				
Prep Date: 1/6/2020	Analysis Da	ate: 1/	7/2020	SeqNo: 22	253784	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.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2001058

Surr: DNOP

Surr: BFB

Client ID:

Prep Date:

Analyte

Sample ID: Ics-49623

Gasoline Range Organics (GRO)

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client: Environm	ental Plus	, Inc										
Project: EPI Back	ground Sa	mples										
-												
Sample ID: MB-49627	SampT	туре: <b>МВ</b>	LK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics			
Client ID: PBS	Batch	h ID: <b>496</b>	27	ł								
Prep Date: 1/6/2020	Analysis D	Date: 1/	7/2020		SeqNo: 22	253786	Units: <b>mg/#</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Sample ID: LCS-49647	Samp	Гуре: <b>LC</b>	s	Tes	stCode: El	PA Method	8015M/D: Di	esel Range	e Organics			
Client ID: LCSS	Batc	h ID: <b>496</b>	647		RunNo: 6	5612						
Prep Date: 1/6/2020	Analysis D	Date: 1/	7/2020		SeqNo: 22	253785	Units: <b>mg/k</b>	ζg				
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	Samp	Гуре: <b>МВ</b>	BLK	Tes	stCode: El	PA Method	8015M/D: Di	esel Range	e Organics			
Client ID: PBS	Batc	h ID: <b>496</b>	627		RunNo: <b>6</b>	5612						
Prep Date: 1/6/2020	Analysis D	Date: 1/	7/2020		SeqNo: 22	253786	Units: <b>mg/#</b>	(g				
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 Surr: DNOP	) ND 10	50	10.00		104	70	130					
Sun. DNOF	10		10.00		104	70	150					
Sample ID: MB-49647	SampT	уре: <b>МВ</b>	LK	Tes	stCode: El	PA Method	8015M/D: Di	esel Range	e Organics			
Client ID: PBS	Batch	h ID: <b>496</b>	47	ł	RunNo: <b>65</b>	5612						
Prep Date: 1/6/2020	Analysis D	Date: 1/	7/2020		SeqNo: 22	253787	Units: <b>mg/k</b>	٤g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO) Motor Oil Range Organics (MRC	ND )) ND	10 50										

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

1/3/2020

Gasoline Range Organics (GRO)

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

LCSS

Analyte detected in the associated Method Blank В

94.8

105

87.6

RunNo: 65589

SeqNo: 2252861

%REC LowLimit

70

66.6

80

TestCode: EPA Method 8015D: Gasoline Range

130

105

Units: mg/Kg

120

%RPD

HighLimit

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

0

10.00

1000

25.00

SPK value SPK Ref Val

11

ND

880

Result

24

5.0

SampType: LCS

Batch ID: 49623

PQL

5.0

Analysis Date: 1/6/2020

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Qual

RPDLimit

2001058

WO#:

09-Jan-20

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Client:	Environme	ental Plus,	Inc								
Project:	EPI Backg	ground Sar	nples								
Sample ID:		SampT						8015D: Gaso	line Rang	e	
Client ID:	PBS		ID: <b>496</b>			RunNo: <b>65</b>					
Prep Date:	1/3/2020	Analysis Da	ate: 1/	6/2020		SeqNo: 22	252860	Units: <b>mg/K</b>	g		
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	SampT	ype: <b>MB</b>	LK	Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: <b>496</b>	33		RunNo: <b>65</b>	619				
Prep Date:	1/6/2020	Analysis Da	ate: 1/	7/2020		SeqNo: 22	254007	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value SPK	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rar Surr: BFB	ige Organics (GRO)	ND 1000	5.0	1000		99.8	66.6	105			
Sample ID:	lcs-49633	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: <b>496</b>	33		RunNo: <b>65</b>	619				
Prep Date:	1/6/2020	Analysis Da	ate: 1/	7/2020		SeqNo: 22	254008	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value SPK	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rar	nge Organics (GRO)	24	5.0	25.00	0	95.2	80	120			Quui
Surr: BFB		1000		1000		103	66.6	105			
Sample ID:	2001058-010ams	SampT	ype: <b>MS</b>		Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BG South E	Batch	ID: <b>496</b>	33		RunNo: <b>65</b>	619				
Prep Date:	1/6/2020	Analysis Da	ate: 1/	7/2020		SeqNo: 22	254010	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value SPK	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ige 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	SampT	ype: <b>MS</b>	D	Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BG South E	Batch	ID: <b>496</b>	33		RunNo: <b>65</b>	619				
Prep Date:	1/6/2020	Analysis Da	ate: 1/	7/2020		SeqNo: 22	254011	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value SPK	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2001058

09-Jan-20

WO#:

Released to Imaging: 7/11/2025 1:50:26 PM

Value above quantitation range

Client:	Environmental Plus, Inc
Project:	EPI Background Samples

Sample ID: 2001058-010amsd	SampT	ype: <b>MS</b>	D	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: BG South E	Batch	n ID: <b>496</b>	33	F	RunNo: <b>65</b>	619				
Prep Date: 1/6/2020	Analysis D	ate: 1/7	/2020	S	SeqNo: 22	254011	Units: <b>mg/K</b>	g		
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.
- 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

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:		Environm	ental Plus,	Inc								
Project:		EPI Backg	ground San	nples								
Sample ID:	: mb-4962	23	SampTy	ре: <b>МВ</b>	LK	les	stCode: EF	A Method	8021B: Volatile	S		
Client ID:	PBS		Batch	ID: <b>496</b>	23	F	RunNo: <b>65</b>	589				
Prep Date:	1/3/202	20	Analysis Da	ate: 1/	6/2020		SeqNo: 22	52889	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 Client ID: LCSS Prep Date: 1/3/2020		Type: <b>LC</b> h ID: <b>496</b>		F	tCode: <b>Ef</b> RunNo: <b>65</b> SegNo: <b>22</b>	589	8021B: Volatile	s		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.4	80	120		KF DLIIIII	Quai
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: <b>mb-49633</b> Client ID: <b>PBS</b>	•	Type: <b>MB</b> h ID: <b>496</b>			tCode: <b>Ef</b> RunNo: <b>65</b>		8021B: Volatile	S		
Prep Date: 1/6/2020	Analysis [	Date: 1/	7/2020	\$	SeqNo: 22	254034	Units: <b>mg/Kg</b>			
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.
- 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

2001058

WO#:

**Client:** 

**Project:** 

Client ID:

Sample ID: 2001058-011ams

**BG South W** 

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

SampType: MS

Batch ID: 49633

Environmental Plus, Inc

EPI Background Samples

Prep Date: 1/6/2020	Analysis [	Date: 1/	7/2020	:	SeqNo: 22	254038	Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-49633	Samp	Гуре: <b>LC</b>	s	Tes	tCode: EF	PA Method	8021B: Volatile	S		
Client ID: LCSS	Batc	h ID: <b>496</b>	33	F	RunNo: <b>65</b>	619				
Prep Date: 1/6/2020	Analysis [	Date: 1/	7/2020	\$	SeqNo: 22	254035	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			
Benzene Toluene	0.87 0.89	0.023 0.047	0.9381 0.9381	0 0.01365	92.9 93.4	78.5 75.7	119 123			
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			

TestCode: EPA Method 8021B: Volatiles

RunNo: 65619

Sample ID: 2001058-011amsd	•	Гуре: <b>МS</b>					8021B: Volat	iles		
Client ID: BG South W	Batc	h ID: <b>496</b>	33	F	RunNo: 65	619				
Prep Date: 1/6/2020	Analysis [	Date: 1/7	7/2020	Ş	SeqNo: 22	254039	Units: <b>mg/K</b>	g		
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. D

Sample Diluted Due to Matrix Н Holding times for preparation or analysis exceeded

- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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#### WO#: 2001058

09-Jan-20

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HALL ENVIRON ANALYS LABORA	IMENTAL IS	TEL: 505-345-3	ntal Analysis Labora 4901 Hawkin Albuquerque, NM 8 1975 FAX: 505-345 v.hallenvironmental	<sup>s NE</sup> 7109 Sam 4107	iple Log-In (	Pa
Client Name: El	VVIRONMENTAL PLUS	Work Order Num	ber: 2001058	~~~	RcptNo	p: 1
Received By:	azmine Garduno	1/3/2020 9:00:00 A	M	Apprintiphents I_C		
Completed By: Is	saiah Ortiz	1/3/2020 11:31:22	AM	I_0	$\star$	
Reviewed By:	10 (	1/03/20/20				
Chain of Custo	<u>tv</u>					
1. Is Chain of Custo	ody sufficiently complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sar	nple delivered?		Courier			
Log In 3 Was an attempt	made to cool the samples	•	V	No 🗌	NA 🗖	
5. Was an attempt	hade to cool the samples	f	Yes 🗹		NA	
4. Were all samples	received at a temperature	e of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in prop	per container(s)?		Yes 🖌	No 🗌		
6. Sufficient sample	volume for indicated test(	s)?	Yes 🗹	No 🗌		
7. Are samples (exc	ept VOA and ONG) prope	rly 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 🗹	1
10. Were any sample	containers received brok	en?	Yes	No 🗹	# of preserved	_/
11. Does paperwork	natch bottle labels?		Yes 🖌	No 🗌	bottles checked for pH:	
10 N.C.	es on chain of custody)				(<2 c Adjusted?	or 12 unless not
	ectly identified on Chain o alyses were requested?	r Custody?	Yes ✔ Yes ✔			/
14. Were all holding t	100		Yes ✔ Yes ✔	No 🗌	Checked by	Y613
	mer for authorization.)					
Special Handling	<u>ı (if applicable)</u>					
15. Was client notifie	d of all discrepancies with	this order?	Yes 🗌	No 🗌		
Person Not	ified:	Date				
By Whom:		Via:	🗌 eMail 📋 P	hone 🗌 Fax	In Person	
Regarding:			тик тала анцилисти түттөрүүүү түн		an a sur	
Client Instr	······································	••••••••••••••••••••••••••••••••••••••	11 101-0-0-17 Allow (1981) Pills - 108978-08 -19	аналан — <b>— Со Заниц Лайона на селона на</b> мисторија (1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 1971 — 197		
16. Additional remar	ks:					

Cooler N	lo Temp	C Conditio	n Seal Intact	Seal No S	Seal Date	Signed By
1	0.8	Good	Not Present			

Page 1 of 1

Dalas	, hoin	ر بر	Chain of Custody Boosed	Turn-Around Time:	1 Time:		1									Recei
	liall		usiony record		)				I		Ž	NTE	HALL ENVIDONMENT	A F N		ved
Client:	Client:	1 1	Lond Parm	E Standard	d 🗆 Rush_					A	ANALYSIS	S	ABORATOR		, ≿	by (
				Project Name:	le:				5	ww.ha	enviro		www.hallenvironmental.com			)CD
Mailing	Mailing Address:			EPT-J	Backarne	und Sample,	4	4901 Hawkins NE	 awkins	' NE	Albuq	nerqu	Albuquerque, NM 87109			: 7/1
7/11				Project #:	0			Tel. 505-345-3975	5-345	3975	Fax	505	505-345-4107			1/20
Phone #:	1	525,63	31, 1667							A	Analysis		Request			25 1
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	lf necessary	, samples sub	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.	ibcontracted to other	accredited laboratori	es. This serves as notice of this	possibility	/. Any su	b-contra	cted data	will be cle	arly nota	ted on the analytical	report.		\$56

Hall Environmental Analysis Laboratory, Inc.

HALL **ENVIRONMENTAL** ANALYSIS LABORATORY

January 28, 2020

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

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

**RE:** EPI Vadose Zone Monitoring Dear Pat McCasland:

OrderNo.: 2001435

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.

В

**Qualifiers:** 

<ul> <li>* Value excee</li> </ul>	ds Max	timum Contaminant Level.	В
Diluted Due to Matrix	Е	Value above quantitation ra	inge

H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix Analyte detected in the associated Method Blank D Sample

Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

Page 2 of 75

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Project:	CLIENT: Environmental Plus, Inc Project: EPI Vadose Zone Monitoring			Client Sample ID:20200108C1VZ SW Collection Date:1/8/2020 9:10:00 AM				
Lab ID:	2001435-001	Matrix: SOIL	Ree	2020 9:35:00 AM				
Analyses		Result	RL Qu	al Units	DF	Date Analyzed		
EPA METH	HOD 8015M/D: DIESEL RANGE (	ORGANICS				Analyst: BRM		
Diesel Ra	nge 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: D	NOP	93.3	55.1-146	%Rec	1	1/14/2020 4:01:50 PM		
EPA METH	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline I	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 2:51:55 AM		
Surr: Bl	FB	88.8	66.6-105	%Rec	1	1/15/2020 2:51:55 AM		
EPA METH	HOD 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		
Ethylbenz	ene	ND	0.049	mg/Kg	1	1/15/2020 2:51:55 AM		
Xylenes, 7	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 METH	HOD 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

- - Diluted Due to Matrix E Value above quantitation range
  - 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 75

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project:	Environmental Plus, Inc EPI Vadose Zone Monitoring	Client Sample ID:20200108C1VZ SE Collection Date: 1/8/2020 9:18:00 AM						
Lab ID:	2001435-002	Matrix: SOIL	<b>Received Date:</b> 1/11/2020 9:35:00 AM					
Analyses		Result	RL Qu	al Units	DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	ange 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: D	NOP	95.4	55.1-146	%Rec	1	1/14/2020 4:11:05 PM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 3:14:45 AM		
Surr: B	FB	88.3	66.6-105	%Rec	1	1/15/2020 3:14:45 AM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT	Environmental Plus, Inc		Client Sample ID:20200108C1VZ NE				
Project:	EPI Vadose Zone Monitoring		<b>Collection Date:</b> 1/8/2020 9:24:00				
Lab ID:	2001435-003	Matrix: SOIL	F	Recei	ved Date	:1/11/2	020 9:35:00 AM
Analyses		Result	RL (	Qual	Units	DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst: BRM
Diesel Ra	inge 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: D	NOP	147	55.1-146	S	%Rec	1	1/15/2020 8:44:25 AM
EPA MET	HOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 3:37:33 AM
Surr: B	FB	88.7	66.6-105		%Rec	1	1/15/2020 3:37:33 AM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sample pri Not in Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-004	Matrix: SOIL	Ce	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 U	Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst: BRM	
Diesel Ra	ange 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: D	NOP	159	55.1-146	S	%Rec	1	1/15/2020 9:11:40 AM	
EPA MET	HOD 8015D: GASOLINE RANGE	E					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8		mg/Kg	1	1/14/2020 11:51:06 PM	
Surr: B	FB	80.2	66.6-105		%Rec	1	1/14/2020 11:51:06 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### S: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - r r
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Vadose Zone Monitoring <b>Lab ID:</b> 2001435-005	Matrix: SOIL	:1/8/202	0200108C1VZ COMP /8/2020 9:31:00 AM /11/2020 9:35:00 AM		
Analyses	Result	<b>RL</b> 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 7/11/2025 1:50:26 PM

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-006	Matrix: SOIL	Client Sample ID:20200108C2           Collection Date: 1/8/2020 9:3           Received Date: 1/11/2020 9:3					
Analyses		Result	RL Qu	al Units	DF	Date Analyzed		
	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	inge 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: D	NOP	81.5	55.1-146	%Rec	1	1/15/2020 9:20:42 AM		
EPA MET	HOD 8015D: GASOLINE RANGE	I.				Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 12:14:41 AM		
Surr: B	FB	81.9	66.6-105	%Rec	1	1/15/2020 12:14:41 AM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri riot in Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-007		108C2VZ SE 20 9:48:00 AM 020 9:35:00 AM			
Analyses	2001133 007	Matrix: SOIL Result	RL Qual Units		DF Date Analyzed	
						-
	HOD 8015M/D: DIESEL RANGE					Analyst: BRM
	inge Organics (DRO)	ND	9.7	mg/Kg	1	1/15/2020 9:29:43 AM
	Range Organics (MRO)	ND	49	mg/Kg	1	1/15/2020 9:29:43 AM
Surr: D	NOP	112	55.1-146	%Rec	1	1/15/2020 9:29:43 AM
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	1/15/2020 12:38:14 AM
Surr: B	FB	79.2	66.6-105	%Rec	1	1/15/2020 12:38:14 AM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

## rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri tot in Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

	Environmental Plus, Inc			-		108C2VZ NE	
Project:	EPI Vadose Zone Monitoring		Collection Date: 1/8/2020 9:54:00 AM				
Lab ID:	2001435-008	Matrix: SOIL	Rec	ceived Date	:1/11/2	020 9:35:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	inge 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: D	NOP	119	55.1-146	%Rec	1	1/15/2020 9:38:45 AM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 1:01:47 AM	
Surr: B	FB	84.0	66.6-105	%Rec	1	1/15/2020 1:01:47 AM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### **TS:** \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kange
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project:	Environmental Plus, Inc EPI Vadose Zone Monitoring		Client Sample ID:20200108C2VZ NW Collection Date:1/8/2020 10:10:00 AM				
Lab ID:	2001435-009	Matrix: SOIL	Ree	ceived Date	:1/11/2	020 9:35:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	96.4	55.1-146	%Rec	1	1/15/2020 9:47:51 AM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 1:25:19 AM	
Surr: B	FB	85.5	66.6-105	%Rec	1	1/15/2020 1:25:19 AM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### **\*** Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kalige
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

#### **CLIENT:** Environmental Plus, Inc Client Sample ID:20200108C2VZ COMP EPI Vadose Zone Monitoring Collection Date: 1/8/2020 10:10:00 AM **Project:** Lab ID: 2001435-010 Received Date: 1/11/2020 9:35:00 AM Matrix: SOIL Result DF **RL Qual Units Date Analyzed** Analyses **EPA METHOD 7471: MERCURY** Analyst: rde ND 0.033 mg/Kg 1/13/2020 4:40:23 PM Mercury 1 **EPA METHOD 6010B: SOIL METALS** Analyst: rde ND 5.1 mg/Kg 1/15/2020 5:39:54 PM Antimony 2 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 2 1/15/2020 5:39:54 PM mg/Kg 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 0.75 mg/Kg 2 Lead 0.51 1/15/2020 5:39:54 PM 2 Manganese 74 0.20 mg/Kg 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 5.1 mg/Kg 2 1/15/2020 5:39:54 PM 13

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

В

#### **Qualifiers:**

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - ÷
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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 Qu	al Units	DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE (	ORGANICS				Analyst: BRM		
Diesel Ra	inge 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: D	NOP	131	55.1-146	%Rec	1	1/15/2020 9:56:57 AM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 1:48:47 AM		
Surr: B	FB	81.8	66.6-105	%Rec	1	1/15/2020 1:48:47 AM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

P Sample pH Not In Range

- r r-----go
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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 Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	114	55.1-146	%Rec	1	1/15/2020 10:06:03 AM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 2:12:16 AM	
Surr: B	FB	82.3	66.6-105	%Rec	1	1/15/2020 2:12:16 AM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<ul><li>CLIENT: Environmental Plus, Inc</li><li>Project: EPI Vadose Zone Monitorin</li><li>Lab ID: 2001435-013</li></ul>	g <b>Matrix:</b> SOIL	108C3VZ COMP 20 11:35:00 AM 020 9:35:00 AM			
Analyses	Result	RL Qı	ual 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.

В

### Qualifiers:

## S: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kälige
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	ange 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: D	NOP	65.1	55.1-146	%Rec	1	1/15/2020 10:15:11 AM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	1/15/2020 2:35:40 AM		
Surr: B	FB	78.2	66.6-105	%Rec	1	1/15/2020 2:35:40 AM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri rot in Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-015	Matrix: SOIL	Client Sample ID:20200108C4VZ SW           Collection Date: 1/8/2020 11:54:00 Al           Received Date: 1/11/2020 9:35:00 Al					
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	inge 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: D	NOP	104	55.1-146	%Rec	1	1/15/2020 10:25:50 AM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 2:59:05 AM		
Surr: B	FB	78.5	66.6-105	%Rec	1	1/15/2020 2:59:05 AM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

P Sample pH Not In Range

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RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, Inc Project: EPI Vadose Zone Monitoring Lab ID: 2001435-016 Analyses		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				
		Result	RL Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	133	55.1-146	%Rec	1	1/15/2020 10:34:58 AM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	1/15/2020 4:09:15 AM	
Surr: B	FB	78.1	66.6-105	%Rec	1	1/15/2020 4:09:15 AM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kälige
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-017	Matrix: SOIL	108C4VZ NE 20 2:40:00 PM 020 9:35:00 AM			
Analyses		Result	Result RL Qual Units		DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Ra	ange 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: D	NOP	95.6	55.1-146	%Rec	1	1/15/2020 11:38:57 AM
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 2:26:19 PM
Surr: B	FB	91.4	66.6-105	%Rec	1	1/15/2020 2:26:19 PM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

#### **CLIENT:** Environmental Plus, Inc Client Sample ID:20200108C4VZ COMP EPI Vadose Zone Monitoring Collection Date: 1/8/2020 2:40:00 PM **Project:** Lab ID: 2001435-018 Received Date: 1/11/2020 9:35:00 AM Matrix: SOIL Result DF **RL Qual Units Date Analyzed** Analyses **EPA METHOD 7471: MERCURY** Analyst: rde ND 0.034 mg/Kg 1/13/2020 4:44:26 PM Mercury 1 **EPA METHOD 6010B: SOIL METALS** Analyst: rde ND 5.0 mg/Kg 1/15/2020 5:43:01 PM Antimony 2 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 2 mg/Kg 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 mg/Kg 2 Lead 1.3 0.50 1/15/2020 5:43:01 PM 2 Manganese 72 0.20 mg/Kg 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.

В

#### **Qualifiers:**

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- •
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-019	Matrix: SOIL	108C5VZ NW 20 12:07:00 PM 020 9:35:00 AM			
Analyses		Result	RL Qu	al Units	DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Ra	ange 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: D	NOP	76.3	55.1-146	%Rec	5	1/16/2020 1:42:07 PM
EPA MET	HOD 8015D: GASOLINE RANGE	I				Analyst: NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 3:35:16 PM
Surr: B	FB	90.5	66.6-105	%Rec	1	1/15/2020 3:35:16 PM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sumple pri Not in Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Vadose Zone Monitoring			Client Sample ID:20200108C5VZ SE Collection Date: 1/8/2020 12:14:00 PM					
Lab ID:	2001435-020	Matrix: SOIL Received Date:			:1/11/2020 9:35:00 AM			
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	ange 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: D	NOP	88.7	55.1-146	%Rec	5	1/16/2020 2:06:13 PM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 3:58:01 PM		
Surr: B	3FB	91.5	66.6-105	%Rec	1	1/15/2020 3:58:01 PM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**CLIENT:** Environmental Plus, Inc

2001435-021

Lab ID:

Project: EPI Vadose Zone Monitoring

Date Reported: 1/28/2020

Client Sample ID:20200108C5VZ N

Hall Environmental Analysis Laboratory, Inc.

Collection Date: 1/8/2020 12:22:00 PM Received Date: 1/11/2020 9:35:00 AM Matrix: SOIL

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAN						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.

В

#### **Qualifiers:**

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, Inc Project: EPI Vadose Zone Monitoring Lab ID: 2001435-022 Analyses		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				
		Result	RL Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	90.8	55.1-146	%Rec	1	1/15/2020 12:34:41 PM	
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 4:43:38 PM	
Surr: B	FB	90.1	66.6-105	%Rec	1	1/15/2020 4:43:38 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Vadose Zone Monitoring <b>Lab ID:</b> 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	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA METHOD 7471: MERCURY					Analyst: <b>rde</b>		
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.

В

### **Qualifiers:**

### S: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - r r
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-024	Matrix: SOIL	108C6VZ SE 20 3:00:00 PM 020 9:35:00 AM			
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Ra	ange 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: D	NOP	85.7	55.1-146	%Rec	1	1/15/2020 12:43:56 PM
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 7:24:11 PM
Surr: B	FB	89.6	66.6-105	%Rec	1	1/15/2020 7:24:11 PM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sample pri Not in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-025	Matrix: SOIL	:1/8/20	200108C6VZ SW /2020 4:02:00 PM 1/2020 9:35:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Ra	ange 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: D	NOP	89.0	55.1-146	%Rec	1	1/15/2020 12:53:12 PM
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	1/15/2020 7:46:55 PM
Surr: B	FB	90.4	66.6-105	%Rec	1	1/15/2020 7:46:55 PM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project:	Environmental Plus, Inc EPI Vadose Zone Monitoring	Client Sample ID:20200108C6VZ NW Collection Date: 1/8/2020 4:10:00 PM					
Lab ID:	2001435-026	Matrix: SOIL	Ree	ceived Date	:1/11/2	2020 9:35:00 AM	
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	80.3	55.1-146	%Rec	1	1/15/2020 1:02:28 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 8:09:55 PM	
Surr: B	FB	91.7	66.6-105	%Rec	1	1/15/2020 8:09:55 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	80.0	55.1-146	%Rec	1	1/15/2020 1:11:43 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 8:32:52 PM	
Surr: B	FB	90.0	66.6-105	%Rec	1	1/15/2020 8:32:52 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kälige
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, IncProject:EPI Vadose Zone MonitoringLab 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	<b>RL</b> 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.

В

#### **Qualifiers:**

# S: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kälige
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

Project:	Environmental Plus, Inc EPI Vadose Zone Monitoring	Client Sample ID:20200108C7VZ SS Collection Date: 1/8/2020 4:24:00 PM					
Lab ID:	2001435-029	Matrix: SOIL	Ree	:1/11/2	2020 9:35:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	64.0	55.1-146	%Rec	1	1/15/2020 1:21:00 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 8:55:42 PM	
Surr: B	SFB	90.2	66.6-105	%Rec	1	1/15/2020 8:55:42 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - -unpre pri tiot in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-030	Client Sample ID:20200108C7VZ SE Collection Date: 1/8/2020 4:28:00 PM Received Date: 1/11/2020 9:35:00 AM					
Analyses	2001100 000	Matrix: SOIL Result			DF	Date Analyzed	
	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
	inge Organics (DRO)	ND	9.5	mg/Kg	1	1/15/2020 1:30:16 PM	
	Range Organics (MRO)	ND	48	mg/Kg	1	1/15/2020 1:30:16 PM	
Surr: D	NOP	83.0	55.1-146	%Rec	1	1/15/2020 1:30:16 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 9:18:36 PM	
Surr: B	FB	91.3	66.6-105	%Rec	1	1/15/2020 9:18:36 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sample pri Not in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	84.4	55.1-146	%Rec	1	1/15/2020 1:39:33 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 9:41:26 PM	
Surr: B	FB	91.6	66.6-105	%Rec	1	1/15/2020 9:41:26 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-032	Client Sample ID:20200108C7VZ NW Collection Date: 1/8/2020 4:36:00 PM Received Date: 1/11/2020 9:35:00 AM					
Analyses	2001433-032	Matrix: SOIL Result	RL Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
	ange Organics (DRO)	ND	8.9	mg/Kg	1	1/15/2020 1:48:52 PM	
	Range Organics (MRO)	ND	44	mg/Kg	1	1/15/2020 1:48:52 PM	
Surr: D	NOP	82.7	55.1-146	%Rec	1	1/15/2020 1:48:52 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 10:04:20 PM	
Surr: B	FB	89.3	66.6-105	%Rec	1	1/15/2020 10:04:20 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sumple pri riot in runge
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-033	Matrix: SOIL	Coll	ection Date	ID:20200108C7VZ SW ate:1/8/2020 4:39:00 PM ate:1/11/2020 9:35:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	inge 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: D	NOP	88.2	55.1-146	%Rec	1	1/15/2020 1:57:54 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 10:27:15 PM	
Surr: B	FB	92.1	66.6-105	%Rec	1	1/15/2020 10:27:15 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> 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 METH	HOD 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	1	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	
Manganes	se	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.

В

#### **Qualifiers:**

## S: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sample pri not in Kange
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	91.4	55.1-146	%Rec	1	1/15/2020 2:06:56 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 10:50:15 PM	
Surr: B	3FB	91.2	66.6-105	%Rec	1	1/15/2020 10:50:15 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	inge 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: D	NOP	87.4	55.1-146	%Rec	1	1/15/2020 2:16:12 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/16/2020 12:21:46 AM	
Surr: B	FB	88.9	66.6-105	%Rec	1	1/16/2020 12:21:46 AM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

Project:	Environmental Plus, Inc EPI Vadose Zone Monitoring	Client Sample ID:20200108C8VZ NE Collection Date:1/8/2020 4:55:00 PM						
Lab ID: 2001435-037		Matrix: SOIL	Ree	ceived Date	:1/11/2	020 9:35:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	ange 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: D	NOP	102	55.1-146	%Rec	1	1/16/2020 12:07:03 PM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2020 10:16:27 AM		
Surr: B	FB	81.8	66.6-105	%Rec	1	1/15/2020 10:16:27 AM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri riot in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METH	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	nge Organics (DRO)	ND	10	mg/Kg	1	1/16/2020 12:34:19 PM	
	Range Organics (MRO)	ND	50	mg/Kg	1	1/16/2020 12:34:19 PM	
Surr: D	NOP	95.5	55.1-146	%Rec	1	1/16/2020 12:34:19 PM	
EPA METH	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 11:27:32 AM	
Surr: Bl	FB	82.5	66.6-105	%Rec	1	1/15/2020 11:27:32 AM	
EPA METH	HOD 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	
Ethylbenz	ene	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 METH	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

> J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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**CLIENT:** Environmental Plus, Inc

2001435-039

Lab ID:

Project: EPI Vadose Zone Monitoring

**Analytical Report** Lab Order 2001435

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

# 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 Qu		al Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY					Analyst: <b>rde</b>
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

Matrix: SOIL

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

В

#### **Qualifiers:**

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT	CLIENT: Environmental Plus, Inc			Client Sample ID:20200109C9VZ S				
<b>Project:</b>	EPI Vadose Zone Monitoring		Collection Date: 1/9/2020 9:14:00 AM					
Lab ID:	2001435-040	Matrix: SOIL	Ree	020 9:35:00 AM				
Analyses	es Result RL Qual Units		al Units	DF	Date Analyzed			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	ange 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: D	NOP	100	55.1-146	%Rec	1	1/17/2020 8:06:36 AM		
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 12:38:26 PM		
Surr: B	FB	79.3	66.6-105	%Rec	1	1/15/2020 12:38:26 PM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

# rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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 MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	106	55.1-146	%Rec	1	1/16/2020 12:52:31 PM	
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 1:01:52 PM	
Surr: B	SFB	79.6	66.6-105	%Rec	1	1/15/2020 1:01:52 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sumple pri not in Kalige
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, IncProject:EPI Vadose Zone MonitoringLab ID:2001435-042	Matrix: SOIL	Colle	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	<b>RL Qual Units</b>		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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project:	: Environmental Plus, Inc EPI Vadose Zone Monitoring	Client Sample ID:20200109C10VZ NW Collection Date:1/9/2020 9:32:00 AM					
Lab ID:	2001435-043	Matrix: SOIL Received Dat			<b>e:</b> 1/11/2020 9:35:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	101	55.1-146	%Rec	1	1/16/2020 1:01:36 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 1:25:16 PM	
Surr: B	FB	81.0	66.6-105	%Rec	1	1/15/2020 1:25:16 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

P Sample pH Not In Range

- Sample pri rot in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	114	55.1-146	%Rec	1	1/16/2020 1:10:42 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 1:48:45 PM	
Surr: B	FB	82.0	66.6-105	%Rec	1	1/15/2020 1:48:45 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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 MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	106	55.1-146	%Rec	1	1/16/2020 1:19:50 PM	
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 2:12:11 PM	
Surr: B	FB	80.7	66.6-105	%Rec	1	1/15/2020 2:12:11 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project:	Environmental Plus, Inc EPI Vadose Zone Monitoring		109C10VZ SW 20 9:50:00 AM			
Lab ID:	2001435-046	Matrix: SOIL	Ree	ceived Date	:1/11/2	020 9:35:00 AM
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Ra	inge 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: D	NOP	99.3	55.1-146	%Rec	1	1/16/2020 1:28:55 PM
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 2:35:30 PM
Surr: B	FB	80.3	66.6-105	%Rec	1	1/15/2020 2:35:30 PM
EPA MET	HOD 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
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

#### **CLIENT:** Environmental Plus, Inc Client Sample ID:20200109C10VZ COMP EPI Vadose Zone Monitoring Collection Date: 1/9/2020 9:50:00 AM **Project:** Lab ID: 2001435-047 Received Date: 1/11/2020 9:35:00 AM Matrix: SOIL Result DF **RL Qual Units Date Analyzed** Analyses **EPA METHOD 7471: MERCURY** Analyst: rde ND 0.033 mg/Kg 1 1/13/2020 5:00:58 PM Mercury **EPA METHOD 6010B: SOIL METALS** Analyst: rde ND 4.9 mg/Kg 2 1/15/2020 6:03:15 PM Antimony Arsenic ND 4.9 mg/Kg 2 1/20/2020 3:14:41 PM Barium mg/Kg 2 84 0.20 1/15/2020 6:03:15 PM Beryllium 0.29 2 1/15/2020 6:03:15 PM 0.83 mg/Kg 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 mg/Kg 2 Lead ND 0.49 1/15/2020 6:03:15 PM 2 Manganese 83 0.20 mg/Kg 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

31

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

В

#### **Qualifiers:**

Zinc

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

mg/Kg

4.9

2

1/15/2020 6:03:15 PM

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - I I S
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT	CLIENT: Environmental Plus, Inc		Client Sample ID:20200109C11VZ NW				
<b>Project:</b>	EPI Vadose Zone Monitoring		Collection Date: 1/9/2020 10:02:00 AM				
Lab ID:	2001435-048	Matrix: SOIL	Ree	ceived Date	:1/11/2	020 9:35:00 AM	
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	103	55.1-146	%Rec	1	1/16/2020 1:38:13 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 2:58:56 PM	
Surr: B	FB	80.7	66.6-105	%Rec	1	1/15/2020 2:58:56 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### rs: \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sumple pri Not in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Vadose Zone Monitoring			Client Sample ID:20200109C11VZ SW Collection Date:1/9/2020 10:07:00 AM				
Lab ID:	2001435-049	Matrix: SOIL	Rec	ceived Date	:1/11/2	020 9:35:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	104	55.1-146	%Rec	1	1/16/2020 1:47:27 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 4:33:03 PM	
Surr: B	FB	80.5	66.6-105	%Rec	1	1/15/2020 4:33:03 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## **PTS:** \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kange
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Vadose Zone Monitoring			Client Sample ID:20200109C11VZ SE Collection Date: 1/9/2020 10:11:00 AM				
Lab ID:	2001435-050	Matrix: SOIL	Ree	020 9:35:00 AM			
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	97.4	55.1-146	%Rec	1	1/16/2020 1:56:43 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 4:56:37 PM	
Surr: B	FB	79.6	66.6-105	%Rec	1	1/15/2020 4:56:37 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, Inc			Client Sample ID:20200109C11VZ NE				
<b>Project:</b>	EPI Vadose Zone Monitoring		Collection Date: 1/9/2020 10:16:00 AM				
Lab ID:	2001435-051	Matrix: SOIL	Ree	ceived Date	020 9:35:00 AM		
Analyses		Result	Result RL Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	104	55.1-146	%Rec	1	1/16/2020 2:05:55 PM	
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 5:20:09 PM	
Surr: B	FB	79.6	66.6-105	%Rec	1	1/15/2020 5:20:09 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Sample pri Not in Kange
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

#### **CLIENT:** Environmental Plus, Inc Client Sample ID:20200109C11VZ COMP EPI Vadose Zone Monitoring Collection Date: 1/9/2020 10:16:00 AM **Project:** Lab ID: 2001435-052 Received Date: 1/11/2020 9:35:00 AM Matrix: SOIL Result DF **RL Qual Units Date Analyzed** Analyses **EPA METHOD 7471: MERCURY** Analyst: rde ND 0.033 mg/Kg 1 1/13/2020 5:02:56 PM Mercury **EPA METHOD 6010B: SOIL METALS** Analyst: rde ND 4.9 mg/Kg 2 1/15/2020 6:04:48 PM Antimony Arsenic ND 4.9 mg/Kg 2 1/20/2020 3:16:13 PM Barium 53 mg/Kg 2 0.20 1/15/2020 6:04:48 PM Beryllium 0.67 0.29 2 1/15/2020 6:04:48 PM mg/Kg 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 mg/Kg 2 Lead ND 0.49 1/15/2020 6:04:48 PM 2 Manganese 92 0.20 mg/Kg 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 mg/Kg 2 1/15/2020 6:04:48 PM 4.9

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

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- -
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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 MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	nge 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: D	NOP	104	55.1-146	%Rec	1	1/16/2020 2:15:05 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 5:43:44 PM	
Surr: B	FB	77.9	66.6-105	%Rec	1	1/15/2020 5:43:44 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### **Qualifiers:**

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Kalige
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, Inc			Client Sample ID:20200109C12VZ ME				
Project:	EPI Vadose Zone Monitoring		Collection Date: 1/9/2020 10:30:00 AM				
Lab ID:	2001435-054	Matrix: SOIL	Ree	ceived Date	020 9:35:00 AM		
Analyses		Result	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	105	55.1-146	%Rec	1	1/16/2020 2:24:14 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 6:07:23 PM	
Surr: B	FB	78.0	66.6-105	%Rec	1	1/15/2020 6:07:23 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

## \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - Sample pri not in Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: EnvironmerProject:EPI VadosLab ID:2001435-0	e Zone Monitoring	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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA METHOD 8015M	/D: DIESEL RANGE OF	RGANICS				Analyst: BRM	
Diesel Range Organics	(DRO)	ND	9.7	mg/Kg	1	1/16/2020 2:33:23 PM	
Motor Oil Range Organ	ics (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 Organi	ics (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-Bromofluorob	enzene	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.

В

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

#### Diluted Due to Matrix E Value above quantitation range

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 Analyte detected in the associated Method Blank D Sample

> J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 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	<b>RL</b> Qual Units		DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	91.9	55.1-146	%Rec	1	1/16/2020 2:42:31 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 6:54:18 PM	
Surr: B	3FB	77.1	66.6-105	%Rec	1	1/15/2020 6:54:18 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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 Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

#### **CLIENT:** Environmental Plus, Inc Client Sample ID:20200109C12VZ COMP EPI Vadose Zone Monitoring Collection Date: 1/9/2020 10:41:00 AM **Project:** Lab ID: 2001435-057 Received Date: 1/11/2020 9:35:00 AM Matrix: SOIL Result DF **RL Qual Units Date Analyzed** Analyses **EPA METHOD 7471: MERCURY** Analyst: rde ND 0.032 mg/Kg 1/13/2020 5:04:54 PM Mercury 1 **EPA METHOD 6010B: SOIL METALS** Analyst: rde ND 4.9 mg/Kg 2 1/15/2020 6:06:17 PM Antimony Arsenic ND 4.9 mg/Kg 2 1/20/2020 2:59:56 PM Barium mg/Kg 2 110 0.20 1/15/2020 6:06:17 PM Beryllium 0.40 0.29 2 1/15/2020 6:06:17 PM mg/Kg 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 mg/Kg 2 Lead ND 0.49 1/15/2020 6:06:17 PM 2 Manganese 42 0.20 mg/Kg 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 mg/Kg 2 1/15/2020 6:06:17 PM 4.9

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

В

#### **Qualifiers:**

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D Sample

- Analyte detected below quantitation limits J
- Р
- Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT: Environmental Plus, Inc		Client Sample ID:20200109C13VZ C					
Project:	EPI Vadose Zone Monitoring	<b>Collection Date:</b> 1/9/2020 10:47:00 AM					
Lab ID:	2001435-058	Matrix: SOIL	Re	020 9:35:00 AM			
Analyses		Result RL Q		al Units	DF	Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	98.5	55.1-146	%Rec	1	1/16/2020 2:51:39 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 7:17:31 PM	
Surr: B	FB	80.5	66.6-105	%Rec	1	1/15/2020 7:17:31 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### **Qualifiers:**

# **PTS:** \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

CLIENT Project: Lab ID:	Environmental Plus, Inc EPI Vadose Zone Monitoring 2001435-059		Client Sample ID:20200109C14VZ C Collection Date: 1/9/2020 10:55:00 AM Received Date: 1/11/2020 9:35:00 AM				
Analyses		Matrix: SOIL Result	RL Qual Units DF			Date Analyzed	
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Ra	ange 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: D	NOP	83.2	55.1-146	%Rec	1	1/16/2020 3:00:46 PM	
EPA MET	HOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	1/15/2020 7:41:09 PM	
Surr: B	FB	79.1	66.6-105	%Rec	1	1/15/2020 7:41:09 PM	
EPA MET	HOD 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	
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2001435

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

<b>CLIENT:</b> Environmental Plus, Inc <b>Project:</b> EPI Vadose Zone Monitoring			Client Sample ID:20200109C15VZ C Collection Date:1/9/2020 10:59:00 AM					
Lab ID:	2001435-060	Matrix: SOIL	Rec	ceived Date	:1/11/2	020 9:35:00 AM		
Analyses		Result	RL Qu	al Units	DF	Date Analyzed		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Ra	ange 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: D	NOP	82.6	55.1-146	%Rec	1	1/16/2020 3:09:51 PM		
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst: NSB		
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2020 8:04:46 PM		
Surr: B	FB	80.0	66.6-105	%Rec	1	1/15/2020 8:04:46 PM		
EPA MET	HOD 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		
Ethylbenz	zene	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 MET	HOD 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.

В

#### Qualifiers:

### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- 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

Analyte detected in the associated Method Blank D Sample

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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**Analytical Report** Lab Order 2001435

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/28/2020

1/15/2020 6:09:38 PM

#### **CLIENT:** Environmental Plus, Inc

Project: EPI Vadose Zone Monitoring

#### Client Sample ID:20200109C131415 COMP Collection Date: 1/9/2020 10:59:00 AM Received Date: 1/11/2020 9:35:00 AM

mg/Kg 2

Lab ID: 2001435-061	Matrix: SOIL	<b>Received Date:</b> 1/11/2020 9:35:00 AM					
Analyses	Result	RL Qua	RL Qual Units		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		

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

В

#### **Qualifiers:**

Zinc

#### \* Value exceeds Maximum Contaminant Level.

Diluted Due to Matrix E Value above quantitation range

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank D Sample

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## ANALYTICAL REPORT

#### Hall Environmental Analysis Laboratory

Sample Delivery Group:

L1182722 01/24/2020

4901 Hawkins NE

Albuquerque, NM 87109

Samples Received:

**Project Number:** 

Description:

**Report To:** 

Entire Report Reviewed By: Naplme R Richards

Daphne Richards Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be Analytical National is performed per guidance provided in laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

PROJECT:

Ср

Тс

Ss

Cn

Sr

Qc

Gl

AI

Sc

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2001435-005A 20200108C1VZ COMP L1182722-01	Solid			01/08/20 09:31	01/24/20 09	9:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:07	EL	Mt. Juliet, TN
			Collected by	Collected date/time	Received d	ate/time
2001435-010A 20200108C2VZ COMP L1182722-02	Solid			01/08/20 10:10	01/24/20(	09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:31	EL	Mt. Juliet, TN
			Collected by	Collected date/time	Received d	ate/time
2001435-013A 20200108C3VZ COMP L1182722-03	Solid			01/08/20 11:35	01/24/200	09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:34	EL	Mt. Juliet, TN

SDG: L1182722 DATE/TIME: 01/28/20 08:2301/28/20 11:04

2001435-018A 20200108C4VZ COMP L1182722-04	Solid		Collected by	Collected date/time 01/08/20 14:40	Received 0 01/24/20	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:37	EL	Mt. Juliet, TN
2001435-023A 20200108C5VZ COMP L1182722-05	Solid		Collected by	Collected date/time 01/08/20 12:30	Received 0 01/24/20	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
	Daten	Dilution	date/time	date/time	Analyst	Location
	NIC4 44 7020		·	· · ·		
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 o	late/time
2001435-028A 20200108C6VZ COMP L1182722-06	Solid		·	01/08/20 16:17	01/24/20	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:43	EL	Mt. Juliet, TN
2001435-034A 20200108C7VZ COMP L1182722-07	Solid		Collected by	Collected date/time 01/08/20 16:39	Received 0 01/24/20	
Method	Batch	Dilution	·	Analysis	Analyst	Location
			date/time	date/time		
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 o	-
2001435-039A 20200109C8VZ COMP L1182722-08	Solid			01/09/20 09:05	01/24/20	.00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		

SDG: L1182722 DATE/TIME: 01/28/20 08:2301/28/20 11:04 PAGE: 3 of 23



## II. SAMPLE SUMMARY

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Ср

			Collected by	Collected date/time	Received d	ate/time
2001435-042A 20200109C9VZ COMP L1182722-09	Solid			01/09/20 09:19	01/24/200	09:00
Nethod	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Aetals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:51	EL	Mt. Juliet, TN
				Collected		
			Collected by	date/time	Received d	-
2001435-047A 20200109C10VZ COMP L1182722-10	Solid			01/09/20 09:50	01/24/200	09:00
Nethod	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Aetals (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 d	ata /tima
2001435-052A 20200109C11VZ COMP L1182722-11	Solid		Collected by	01/09/20 10:16	01/24/200	
Леthod	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
/letals (ICP) by Method 6010B	WG1417028	1	01/25/20 12:25	01/27/20 18:56	EL	Mt. Juliet, TN
				Collected		
			Collected by	date/time	Received d	ato/timo

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Ср

2001435-057A 20200109C12VZ COMP	11182722-12	Solid
		Julia

01/09/20 10:41	01/24/20 09:00

Method Ba	atch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010B W	/G1417028	1	01/25/20 12:25	01/27/20 17:48	EL	Mt. Juliet, TN
				Collected		
			Collected by	date/time	Received d	ate/time
2001435-061A 20200109C131415 COMP L1182722-13	Solid			01/09/20 10:59	01/24/200	09:00
Method Ba	atch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		

ONE LAB. NAT

Metals (ICP) by Method 6010B

WG1417028 1 01/25/20 12:25 01/27/20 17:51 EL

Mt. Juliet, TN

#### **CASE NARRATIVE** III.

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.



Ср

2**TC** 

Dapline R Richards

**Daphne Richards** Project Manager

SDG: L1182722

DATE/TIME: 01/28/20 08:2301/28/20 11:04

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### ONE LAB. NAT

2001435-005A 20200108C1VZ COMP Collected date/time: 01/08/20 09:31

Result

mg/kg

ND

#### SAMPLE RESULTS - 01

L1182722

#### Metals (ICP) by Method 6010B

Analyte		
Thallium		

RDLDilutionAnalysismg/kgdate / tin2.00101/27/20

date / time 01/27/2020 18:07

1	Ср	,

	<sup>3</sup> Ss
[	⁴Cn
2	⁵Sr
	GC
[	GI
	<sup>8</sup> AI
2	Sc

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	<u>Q</u>	ualifier		Batch	<sup>1</sup> Cp	2
				<u>WG1417028</u>	<sup>2</sup> Tc	;
2001435-010A 2020 Collected date/time: 01/08		SAMPL	E RESULTS - 02		<sup>3</sup> Ss	5
Metals (ICP) by M	ethod 6010B				<sup>4</sup> Cr	n
	Result	RDL	Dilution Analysis		5	
Analyte	mg/kg	mg/kg	date / time		Šr	
Thallium	ND	2.00	1 01/27/2020 18:31		6Q(	<u>c</u>

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	0	ualifier			Batch		<sup>1</sup> Cp
		<u>aanner</u>			Batch		
					WG1417028		Tc
2001435-013A 202 Collected date/time: 01/0	200108C3VZ COMP 08/20 11:35	SAMP		ULTS - 03 182722			<sup>3</sup> Ss
Metals (ICP) by N	Vethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			์ Sr
Thallium	ND	2.00	1	01/27/2020 18:34			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

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	Οι	ualifier			Batch		<sup>1</sup> Cp
					WG1417028		<sup>2</sup> Tc
2001435-018A 202 Collected date/time: 01/0	200108C4VZ COMP 18/20 14:40	SAMP		ULTS - 04			<sup>3</sup> Ss
Metals (ICP) by N	/lethod 6010B						Cn
	Result	RDL	Dilut	ion Analysis			5
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/27/2020 18:37			
							<sup>6</sup> Qc
							<sup>7</sup> GI

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	Qu	Jalifier			Batch		<sup>1</sup> Cp
					<u>WG1417028</u>		<sup>2</sup> Tc
2001435-023A 202 Collected date/time: 01/0	SAMP	SAMPLE RESULTS - 05				<sup>3</sup> Ss	
Metals (ICP) by N	/lethod 6010B						⁴Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			ິSr
Thallium	ND	2.00	1	01/27/2020 18:40			
							<sup>6</sup> Qc
							<sup>7</sup> GI

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	<u>Q</u> ı	ualifier			<u>Batch</u>		<sup>1</sup> Cp
					<u>WG1417028</u>		<sup>2</sup> Tc
2001435-028A 202 Collected date/time: 01/0	SAMPLE RESULTS - 06					<sup>3</sup> Ss	
Metals (ICP) by N	/lethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			⁵Sr
Thallium	ND	2.00	1	01/27/2020 18:43			6
							Qc
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	0	Jalifier			Batch		<sup>1</sup> Cp
		<u>lainter</u>			Batch		
					WG1417028		Tc
2001435-034A 202 Collected date/time: 01/0	200108C7VZ COMP <sup>38/20 16:39</sup>	SAMP		ULTS - 07			<sup>3</sup> Ss
Metals (ICP) by N	Vethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			ິSr
Thallium	ND	2.00	1	01/27/2020 18:45			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

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	<u>Q</u> ı	ualifier			<u>Batch</u>		<sup>1</sup> Cp
					<u>WG1417028</u>		<sup>2</sup> Tc
2001435-039A 202 Collected date/time: 01/0	SAMP	SAMPLE RESULTS - 08				<sup>3</sup> Ss	
Metals (ICP) by N	/lethod 6010B						Ĉn
	Result	RDL	Dilut	ion Analysis			5
Analyte	mg/kg	mg/kg		date / time			ິSr
Thallium	ND	2.00	1	01/27/2020 18:48			
							<sup>6</sup> Qc
							<sup>7</sup> GI

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	<u>Q</u> u	alifier			<u>Batch</u>		<sup>1</sup> Cp
					WG1417028		<sup>2</sup> Tc
2001435-042A 202 Collected date/time: 01/09		SAMP		ULTS - 09 182722			<sup>3</sup> Ss
Metals (ICP) by M	/lethod 6010B						Cn
	Result	RDL	Diluti	on Analysis			5
Analyte	mg/kg	mg/kg		date / time			Sr
Thallium	ND	2.00	1	01/27/2020 18:51			
							<sup>6</sup> Qc
							<sup>7</sup> Gl

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					Detek		<sup>1</sup> Cp
	Qua	alifier			<u>Batch</u>		
					<u>WG1417028</u>		<sup>2</sup> Tc
2001435-047A 202 Collected date/time: 01/0	200109C10VZ COMP <sup>09/20 09:50</sup>	SAMP	-	SULTS - 10			<sup>3</sup> Ss
Metals (ICP) by N	Vethod 6010B						⁴Cn
	Result	RDL	Diluti	ion Analysis			E
Analyte	mg/kg	mg/kg		date / time			ິSr
Thallium	ND	2.00	1	01/27/2020 18:53			
							<sup>6</sup> Qc
							<sup>7</sup> GI

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	Qua	lifier		Batch		<sup>1</sup> Cp
				<u>WG1417028</u>		<sup>2</sup> Tc
2001435-052A 202 Collected date/time: 01/0	200109C11VZ COMP 19/20 10:16	Sample f	RESULTS - 11			<sup>3</sup> Ss
Metals (ICP) by N	/lethod 6010B					Cn
	Result	RDL D	Dilution Analysis			5
Analyte	mg/kg	mg/kg	date / time			้Sr
Thallium	ND	2.00 1	01/27/2020 18:56			
						<sup>°</sup> Qc
						<sup>7</sup> Gl

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						ONE LAB. NATIONWIDE.	
	Qua	alifier			<u>Batch</u>		<sup>1</sup> Cp
					WG1417028		<sup>2</sup> Tc
2001435-057A 20200109C12VZ COMP Collected date/time: 01/09/20 10:41		SAMPI	SAMPLE RESULTS - 12				<sup>3</sup> Ss
Metals (ICP) by N	Vethod 6010B						<sup>≁</sup> Cn
Analyte Thallium	Result mg/kg ND	RDL mg/kg 2.00	Diluti 1	on Analysis date / time 01/27/2020 17:48			⁵Sr
		2.00	1	01,27,2020 17.40			<sup>6</sup> Qc
							<sup>7</sup> GI

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						ONE LAB. NATIONWIDE.	-
	Quali	fier			Batch		<sup>1</sup> Cp
					WG1417028		<sup>2</sup> Tc
2001435-061A 20200109C131415 COMP Collected date/time: 01/09/20 10:59		SAMP	SAMPLE RESULTS - 13				<sup>3</sup> Ss
Metals (ICP) by N	Vethod 6010B						Cn
Analyte Thallium	Result mg/kg ND	RDL mg/kg 2.00	Dilut 1	ion Analysis date / time			⁵Sr
manium	ND	2.00	I	01/27/2020 17:51			<sup>6</sup> Qc
							<sup>7</sup> Gl

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## QUALITY CONTROL SUMMARY

#### Method Blank (MB)

(MB) R3494597-1 01/27/20 17:59							
	MB Result MB Qualif	<u>ier</u> MB MDL	MB RDL				
Analyte	mg/kg	mg/kg	mg/kg				
Thallium	U	0.650	2.00				

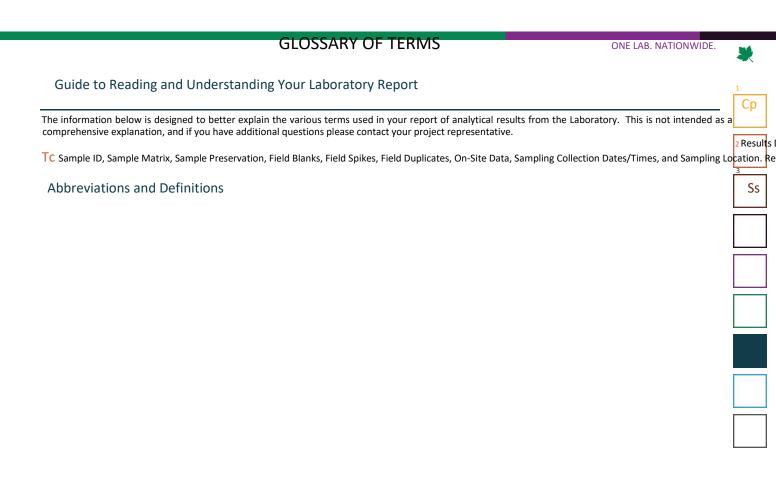
#### Laboratory Control Sample (L S) • Labor Story Control Sample Duplicate (LCSD)

(LCS) R3494597-2 01/27/2	) 18:01 • (LCSD	) R3494597-3	01/27/20 18:04								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
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								9					
	Spike Amour	nt Original Resu	ult MS Result	MSD Result	MS Rec.	MSD Rec.	Dilutior	n Rec. Limits	MS Qualifier	MSD Qualifie	er_RPD	RPD Limits	50
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Thallium	100	ND	96.0	97.6	96.0	97.6	1	75.0-125			1.65	20	

DATE/TIME: 01/28/20 11:04 Ср



•

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.

NE-OS-15-05 Alabama 40660 Nebraska Alaska 17-026 Nevada TN-03-2002-34 AZ0612 New Hampshire 2975 Arizona 88-0469 New Jersey-NELAP TN002 Arkansas California 2932 New Mexico<sup>1</sup> n/a Colorado TN00003 New York 11742 North Carolina PH-0197 Env375 Connecticut Florida E87487 North Carolina DW21704 NELAP North Carolina <sup>3</sup> 41 Georgia Georgia 923 North Dakota R-140 Idaho TN00003 Ohio-VAP CL0069 200008 Oklahoma 9915 Illinois Indiana C-TN-01 Oregon TN200002 364 Pennsylvania 68-02979 lowa E-10277 Rhode Island LAO00356 Kansas 84004 Kentucky <sup>16</sup> 90010 South Carolina South Dakota Kentucky<sup>2</sup> 16 n/a Tennessee <sup>14</sup> Louisiana AI30792 2006 Louisiana<sup>1</sup> LA180010 Texas T104704245-18-15 TN0002 Texas ⁵ LAB0152 Maine Utah TN00003 Maryland 324 Massachusetts M-TN003 Vermont VT2006 Michigan 9958 Virginia 460132 Washington 047-999-395 C847 Minnesota TN00003 West Virginia Mississippi 233 Wisconsin 9980939910 Missouri 340 Montana CERT0086 Wyoming A2LA

#### Third Party Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 <sup>5</sup>	1461.02
Canada	1461.01

AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

<sup>1</sup> Cp
<sup>2</sup> Tc
<sup>3</sup> Ss
⁴Cn
⁵Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al

Sc

PROJECT:

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Hall Environmental Analysis Laboratory

#### **State Accreditations**

EPA–Crypto TN00003

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



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CHAIN OF CUSTODY RECORD PAGE: 1 OF:

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

ADDRI	ONTRATOR ESC		ESC PACE		PHONE	(900) 7/7 7070 EAV				
	12065 Lebanon Rd					(800) 767-5859 FAX: (615) 758-5859 ACCOUNT #: EMAIL:				
	Mt. J	uliet, TN 37122		8						
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINER				
	LENGTH - CALCERT	20200108C1VZ COMP	40ZGU	Soil	1/8/2020 9:31:00 AM	ANALYTICAL COM           1 Thallium ***5DAY TAT	MENTS			
1/3/3	and a second second	20200108C2VZ COMP	40ZGU	Soil	1/8/2020 10:10:00 AM		L1192722-01			
3	2001435-013A	20200108C3VZ COMP	40ZGU	Soil	1/8/2020 11:35:00 AM	- Thankin SDATTAT				
4	2001435-018A	20200108C4VZ COMP	40ZGU	Soil	1/8/2020 2:40:00 PM	1 Thallium SPAY TAT LB 123/2020	02			
5	2001435-023A	20200108C5VZ COMP	40ZGU		1/8/2020 12:30:00 PM	I Inallium ***5DAY TAT	04			
6	2001435-028A	20200108C6VZ COMP	40ZGU			1 Thallium ***5DAY TAT				
7	2001435-034A	20200108C7VZ COMP	40ZGU		1/8/2020 4:17:00 PM	1 Thallium ***5DAY TAT	05			
8	2001435-039A	20200109C8VZ COMP	40ZGU		1/8/2020 4:39:00 PM	1 Thallium ***5DAY TAT	04			
		20200109C9VZ COMP	40ZGU		1/9/2020 9:05:00 AM	1 Thallium ***5DAY TAT	07			
		20200109C10VZ COMP			1/9/2020 9:19:00 AM	1 Thallium ***5DAY TAT	08			
		20200109C11VZ COMP			/9/2020 9:50:00 AM	1 Thallium ***5DAY TAT	09			
		20200109C12VZ COMP		Soil 1	/9/2020 10:16:00 AM	1 Thallium ***5DAY TAT	10			
			40ZGU	Soil 1	/9/2020 10:41:00 AM	1 Thallium ***5DAY TAT	11			
		20200109C131415 COMP	40ZGU	Soil 1/	10 10 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1 Thallium ***5DAY TAT	12			
ECIAL	INSTRUCTIONS / C	OMMENTS:					13			
		ID and the CLIENT SAN (DLE VO			and the second sec		1)			

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: Date: Time: Received By Pate of 100 Time 00 1/23/2020 11:48 AM REPORT TRANSMITTAL DESIRED: Relinquished By: Date: Time: Received By: HARDCOPY (extra cost) Date: Time FAX EMAIL ONLINE Relinquished By: Date: Time: Received By FOR LAB USE ONLY Date: Time: Temp of samples / / 75206 c TAT: Standard RUSH Attempt to Cool ? Next BD 2nd BD 3rd BD RAD SCREEN: <0.5 mR/hr Comments: Caesp 4510 166 2384

Released to Imaging: 7/11/2025 1:50:26 PM

Pace Analytical National	Center for Testing & Inne	ovation	
	r Receipt Form		
Client:	HALLENVANM	1 4 4 4	2222
Cooler Received/Opened On: [ 12	1/20 Temperature	118	2222
Received By: Hailey Melson		0.0	
Signature:			
Receipt Check List	NP	Yes	NI-
COC Seal Present / Intact?	····	res	No
COC Signed / Accurate?			1.1.1
Bottles arrive intact?			
Correct bottles used?			
Sufficient volume sent?		/	
If Applicable	and the second of the second second		
VOA Zero headspace?			
Preservation Correct / Checked?	and the second		

### QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Environn	nental Plus, Inc								
Project:	EPI Vado	ose Zone Monitori	ng							
	: MB-49819	SampType: mb					300.0: Anions			
Client ID:	PBS	Batch ID: 498			RunNo: 65					
Prep Date:	1/15/2020	Analysis Date: 1/	15/2020		SeqNo: 22	260819	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: Ics		Te	stCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 498	19		RunNo: <b>65</b>	5835				
Prep Date:	1/15/2020	Analysis Date: 1/	15/2020		SeqNo: 22	260820	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:	: <b>MB-49827</b>	SampType: <b>mb</b>	lk	Tes	stCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batch ID: 498	27		RunNo: <b>65</b>	5835				
Prep Date:	1/15/2020	Analysis Date: 1/	15/2020		SeqNo: 22	260855	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: Ics		Tes	stCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 498	27		RunNo: <b>65</b>	5835				
Prep Date:	1/15/2020	Analysis Date: 1/	15/2020		SeqNo: 22	260856	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:	: <b>MB-49854</b>	SampType: <b>mb</b>	lk	Tes	stCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batch ID: 498	54		RunNo: <b>65</b>	5853				
Prep Date:	1/16/2020	Analysis Date: 1/	16/2020		SeqNo: 22	262297	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.
- 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

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WO#: 2001435

28-Jan-20

# **QC SUMMARY REPORT**

WO#:	2001435

28-Jan-20 

## Hall Environmental Analysis Laboratory, Inc.

Client:	Environmental Plus, Inc
Project:	EPI Vadose Zone Monitoring

Sample ID: MB-49898	SampType: <b>mblk</b>	TestCode: EPA Method	300.0: Anions		
Client ID: PBS	Batch ID: <b>49898</b>	RunNo: 65885			
Prep Date: 1/17/2020	Analysis Date: 1/17/2020	SeqNo: 2262633	Units: <b>mg/Kg</b>		
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit	%RPD RPDLimit	Qual
Sample ID: LCS-49854	SampType: Ics	TestCode: EPA Method	300.0: Anions		
Client ID: LCSS	Batch ID: <b>49854</b>	RunNo: 65853			
Prep Date: 1/16/2020	Analysis Date: 1/16/2020	SeqNo: 2262298	Units: <b>mg/Kg</b>		
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit	%RPD RPDLimit	Qual
Chloride Chloride	14 1.5 15.00 ND 1.5	0 93.4 90	110		
Sample ID: <b>LCS-49898</b>	SampType: Ics	TestCode: EPA Method	300.0: Anions		
Client ID: LCSS	Batch ID: <b>49898</b>	RunNo: 65885			
Prep Date: 1/17/2020	Analysis Date: 1/17/2020	SeqNo: 2262634	Units: <b>mg/Kg</b>		
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			lk Te	estCode: El					
Client ID: PBS	Batch ID: <b>49898</b>			RunNo: <b>65902</b>					
Prep Date: 1/17/2020	Analysis Date: 1/20/2020			SeqNo: 22	264199	Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5							

Sample ID: LCS-49898	SampT	ype: Ics		Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: LCSS	Batc	h ID: <b>498</b>	98	RunNo: <b>65902</b>						
Prep Date: 1/17/2020	Analysis Date: 1/20/2020			ę	SeqNo: 22	264200	Units: mg/Kg			
Analyte	Result	PQL	SPK value SP	K 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.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# OC SUMMADV DEDODT

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QC SUMMARY Hall Environmenta				orv Inc					WO#:	20014
		, 	aborat	лу, шс.						28-Jan
	nental Plus									
Project: EPI Vado	ose Zone N	Ionitori	ng							
Sample ID: LCS-49776	SampT	ype: LC	3	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
lient ID: LCSS	Batch	n ID: <b>497</b>	76	F	RunNo: <b>65</b>	773				
Prep Date: 1/13/2020	Analysis D	ate: 1/	14/2020	:	SeqNo: 22	259053	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: <b>MB-49776</b>	SampT	ype: <b>MB</b>	LK	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	• Organics	
lient ID: PBS	Batch	n ID: <b>497</b>	76	F	RunNo: <b>65</b>	5773				
rep Date: 1/13/2020	Analysis D	)ate: <b>1</b> /*	14/2020	:	SeqNo: 22	259056	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	Lowl imit	HighLimit	%RPD	RPDLimit	
-					,011E0	LowEllin	i iigii Liinit			Qual
iesel Range Organics (DRO)	ND	10								
lotor Oil Range Organics (MRC Surr: DNOP		50	10.00		07.4	55.1	146			
Sull. DNOP	8.7		10.00		87.1	55. I	146			
ample ID: 2001435-003AMS	SampT	Гуре: <b>МЅ</b>		Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
lient ID: 20200108C1VZ N	IE Batc	h ID: <b>498</b>	02	F	RunNo: <b>65</b>	797				
rep Date: 1/14/2020	Analysis D	Date: 1/	15/2020	:	SeqNo: 22	259891	Units: <b>mg/K</b>	g		
nalyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range Organics (DRO)	56	9.8	49.07	2.278	110	47.4	136			Quai
Surr: DNOP	4.6		4.907		93.2	55.1	146			
ample ID: 2001435-003AMSD	Samo	Гуре: <b>MS</b>		Too		A Mothod	8015M/D: Die	sol Pang	Organice	
lient ID: 20200108C1VZ N	•	h ID: <b>498</b>			RunNo: 65		0013M/D. DI	Ser Kang	organics	
rep Date: 1/14/2020	Analysis D				SeqNo: 22	-	Units: <b>mg/K</b>	a		
•							-	-		
nalyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel 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	
ample ID: 2001435-017AMS	SampT	Гуре: <b>МЅ</b>	i	Tes	stCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
lient ID: 20200108C4VZ N	E Batc	h ID: <b>498</b>	10		RunNo: <b>6</b>	5797				
rep Date: 1/14/2020	Analysis D	Date: 1/	15/2020	:	SeqNo: 22	259904	Units: <b>mg/K</b>	g		
nalyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel 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			
iesel 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	
valifiers:     Value exceeds Maximum Contamina     Sample Diluted Due to Matrix     Holding times for properties or apple				E Value abov	ve quantitation	-				
Holding times for preparation or anal D Not Detected at the Reporting Limit QL Practical Quanitative Limit	ysis exceeded				I Not In Range	uantitation limits			Page 64	of 75

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix RL Reporting Limit

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## OC SUMMADV DEDODT

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QC SUMMARY Hall Environment				orv. Inc.					WO#:	20014 28-Jan-2
	nental Plus.									20 0 0000
	ose Zone M		ng							
Sample ID: 2001435-017AMSE	D SampT	ype: <b>MS</b>	D	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: 20200108C4VZ	NE Batch	h ID: <b>498</b>	310	I	RunNo: <b>65</b>	797				
Prep Date: 1/14/2020	Analysis D	ate: 1/	15/2020		SeqNo: 22	259905	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-49802	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: <b>498</b>	02	I	RunNo: <b>65</b>	797				
Prep Date: 1/14/2020	Analysis D	ate: 1/	15/2020		SeqNo: 22	259907	Units: <b>mg/K</b>	g		
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	SampT	ype: LC	s	Tes	stCode: <b>EF</b>	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: <b>498</b>	10	F	RunNo: <b>65</b>	797				
Prep Date: 1/14/2020	Analysis D	ate: 1/	15/2020		SeqNo: 22	259908	Units: <b>mg/K</b>	g		
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: <b>MB-49802</b>	SampT	уре: <b>МВ</b>	LK	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: <b>498</b>	02	F	RunNo: <b>65</b>	797				
Prep Date: 1/14/2020	Analysis D	ate: 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								Quui
Motor Oil Range Organics (MR	O) ND	50								
Surr: DNOP	12		10.00		120	55.1	146			
Sample ID: <b>MB-49810</b>	SampT	ype: MB	LK	Tes	stCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: <b>498</b>	10	ł	RunNo: <b>65</b>	797				
Prep Date: 1/14/2020	Analysis D	ate: 1/	15/2020		SeqNo: 22	259910	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Motor Oil Range Organics (MR Surr: DNOP	ND O) ND 8.7	10 50	10.00		87.1	55.1	146			
Value         Control of the system           *         Value exceeds Maximum Contamin:           >         Sample Diluted Due to Matrix           Holding times for preparation or anal				E Value abo	ve quantitation	ssociated Method range uantitation limits				
Not Detected at the Reporting Limit           QL         Practical Quanitative Limit           S         % Recovery outside of range due to				2	H Not In Range				Page 65	of 75

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**Client:** 

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Environmental Plus, Inc

Project:	EPI Vado	se Zone Mo	onitori	ng								
Sample ID:	LCS-49817	SampTy	pe: LC	S	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics		
Client ID:	LCSS	Batch	ID: <b>498</b>	17	RunNo: <b>65840</b>							
Prep Date:	1/15/2020	Analysis Da	ate: 1/	16/2020	:	SeqNo: 22	261199	Units: <b>mg/Kg</b>	l			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range	e Organics (DRO)	49	10	50.00	0	98.0	63.9	124				
Surr: DNO	P	4.0		5.000		80.7	55.1	146				
Sample ID:	MB-49817	SampTy	pe: <b>MB</b>	LK	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics		
Client ID:	PBS	Batch	ID: <b>498</b>	17	F	RunNo: <b>65</b>	5840					
Prep Date:	1/15/2020	Analysis Da	ate: 1/	16/2020	Ş	SeqNo: 22	261202	Units: <b>mg/Kg</b>	ļ			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	e Organics (DRO)	ND	10									
	nge Organics (MRC		50									
Surr: DNO	P	9.8		10.00		97.6	55.1	146				
Sample ID: 2	001435-037AMS	SampTy	/pe: <b>MS</b>	;	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics		
Client ID:	20200108C8VZ N	E Batch	ID: <b>498</b>	817	RunNo: <b>65840</b>							
Prep Date:	1/15/2020	Analysis Da	ate: 1/	16/2020	\$	SeqNo: 22	261616	Units: <b>mg/Kg</b>				
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	e Organics (DRO)	47	9.5	47.30	2.333	95.2	47.4	136				
Surr: DNO	P	4.0		4.730		84.1	55.1	146				
Sample ID: 2	001435-037AMSD	SampTy	/pe: <b>MS</b>	D	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	e Organics		
Client ID:	20200108C8VZ N	E Batch	ID: <b>498</b>	817	F	RunNo: <b>65</b>	5840					
Prep Date:	1/15/2020	Analysis Da	ate: 1/	16/2020	:	SeqNo: 22	261617	Units: <b>mg/Kg</b>	l			
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
•	e Organics (DRO)	49	9.9	49.65	2.333	94.5	47.4	136	3.91	43.4		
Surr: DNO	P 4.1 4.9	965 83.4	55	5.1 146	0			Organics (GRO)	ND	5.0		
Surr: BFB		900		1000		89.8	66.6	105				

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

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2001435

WO#:

28-Jan-20

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 2001435

28-Jan-20

	г :	( 1 10	т									
Client:	Environm		,									
Project:	EPI Vado	se Zone N	Ionitori	ng								
Sample ID:	mb-49771	Samp	Туре: <b>МВ</b>	LK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	PBS	Bato	h ID: <b>497</b>	71	RunNo: <b>65777</b>							
Prep Date:	1/13/2020	Analysis [	Date: 1/	14/2020		SeqNo: 2259101 Units: mg/Kg						
Analyte		Result	PQL	SPK value SPI	< Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sample ID:	lcs-49771	Samp	Type: LC	S	Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	е		
Client ID:	LCSS	Bato	h ID: <b>497</b>	71		RunNo: <b>65</b>	5777					
Prep Date:	1/13/2020	Analysis [	Date: 1/	14/2020		SeqNo: 22	259108	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value SPI	< Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Ra	nge Organics (GRO)	) 25	5.0	25.00	0	100	80	120				
Surr: BFB		1100		1000		108	66.6	105			S	
Sample ID:	mb-49809	Samp	Туре: <b>МВ</b>	LK	Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID:	PBS         Batch ID: 49809					RunNo: <b>65</b>	5821					
Prep Date:	: 1/14/2020 Analysis Date: 1/15/2020					SeqNo: 22	260376	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value SPI	< Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Ra Surr: BFB	nge Organics (GRO)	) ND 830	5.0	1000		82.6	66.6	105				
		000		1000		02.0	00.0	100				
Sample ID:	lcs-49809	Samp	Type: LC	S	Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID:	LCSS	Bato	h ID: <b>498</b>	09		RunNo: <b>65821</b>						
Prep Date:	1/14/2020	Analysis [	Date: 1/*	15/2020		SeqNo: 22	260377	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value SPI	K Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	nge Organics (GRO)		5.0	25.00	0	94.7	80	120				
Surr: BFB		950		1000		95.3	66.6	105				
Sample ID: 2	2001435-037ams	Samp	Туре: <b>МЅ</b>		Tes	stCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID:	20200108C8VZ N	E Bato	h ID: <b>498</b>	09		RunNo: <b>65</b>	5821					
Prep Date:	1/14/2020	Analysis [	Date: 1/	15/2020		SeqNo: 22	260379	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value SPI	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Ra	nge 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.
- 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

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## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory Inc

2001435

WO#:

Hall Ei	nvironment	al Analy	ysis L	aborator	y, Inc.						28-Jan-2	
Client:	Environr	nental Plus	, Inc									
Project:	EPI Vad	ose Zone N	Ionitori	ng								
Sample ID:	2001435-037amsd	SampT	ype: <b>MS</b>	D	Tes	stCode: El	PA Method	8015D: Gaso	oline Rang	e		
Client ID:	20200108C8VZ	NE Batc	h ID: <b>498</b>	309	l	RunNo: <b>65</b>	5821					
Prep Date:	1/14/2020	Analysis D	ate: 1/	15/2020	:	SeqNo: 22	260380	Units: <b>mg/#</b>	(g			
Analyte		Result	PQL	SPK value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sample ID:	2001435-037amsd	SampT	Гуре: <b>МS</b>	D	Tes	stCode: EF	PA Method	8015D: Gaso	oline Rang	e		
Client ID:	20200108C8VZ	NE Batc	h ID: <b>498</b>	309	l	RunNo: <b>65</b>	5821					
Prep Date:	1/14/2020	15/2020	:	SeqNo: 22	260380	Units: <b>mg/#</b>	٤g					
Analyte		Result	PQL	SPK value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Ra	ange Organics (GR		4.9	24.65	0	104	69.1	142	0.418	20		
Surr: BFE	3	900		986.2		91.2	66.6	105	0	0		
Sample ID:	: mb-49808	SampT	ype: <b>MB</b>	SLK	Tes	stCode: EF	PA Method	8015D: Gaso	oline Rang	e		
Client ID:	PBS	Batc	h ID: <b>498</b>	808	I	RunNo: <b>65822</b>						
Prep Date:	1/14/2020	Analysis D	ate: 1/	15/2020	:	SeqNo: 2260432 Units: mg/Kg						
Analyte		Result	PQL	SPK value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Ra Surr: BFE	ange Organics (GRO	D) ND 960	5.0	1000		95.8	66.6	105				
Sun. Di L	,	300		1000		35.0	00.0	105				
Sample ID:	: Ics-49808	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015D: Gaso	oline Rang	e		
Client ID:	LCSS	Batc	h ID: <b>498</b>	808	I	RunNo: <b>65</b>	822					
Prep Date:	1/14/2020	4/2020 Analysis Date: 1/15/2020					260433	Units: <b>mg/k</b>				
Analyte		Result	PQL	SPK value SP		%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	ange Organics (GR		5.0	25.00	0	105	80	120			_	
Surr: BFE	3	1100		1000		106	66.6	105			S	

#### **Qualifiers:**

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 68 of 75

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Han Environmental Analysis Laboratory, Inc.							
Client:	Environmental Plus, Inc						
Project:	EPI Vadose Zone Monitoring						

Sample ID: mb-49771	SampType: MBLK	TestCode: EPA Method	;		
Client ID: PBS	Batch ID: 49771	RunNo: 65777			
Prep Date: 1/13/2020	Analysis Date: 1/14/2020	SeqNo: 2259151	Units: <b>mg/Kg</b>		
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: <b>LCS-49771</b> Client ID: <b>LCSS</b> Prep Date: <b>1/13/2020</b>		Гуре: <b>LC</b> : h ID: <b>497</b> Date: <b>1/</b>		F	tCode: EF RunNo: 65 SeqNo: 22	777	8021B: Volatile Units: mg/Kg	S		
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	Samp	Гуре: <b>МВ</b>	LK	Tes	tCode: EF	PA Method	8021B: Volatile	s		
Client ID: PBS	Batc	h ID: <b>498</b>	09	R	RunNo: <b>65</b>	821				
Prep Date: 1/14/2020	Analysis [	Date: 1/	15/2020	S	SeqNo: 22	260405	Units: <b>mg/Kg</b>			
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.
- 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

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WO#: 2001435

28-Jan-20

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Environmental Plus, Inc
Project:	EPI Vadose Zone Monitoring

Sample ID: 2001435-038ams	SampT	Гуре: <b>МS</b>		Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: 20200109C8VZ SI	E Batc	h ID: <b>498</b>	09	F	RunNo: <b>65</b>	5821				
Prep Date: 1/14/2020	Analysis E	Date: 1/	15/2020	\$	SeqNo: 22	260409	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK valu	eSPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-49809	SampT	Type: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: <b>498</b>	09	F	RunNo: <b>65</b>	5821				
Prep Date: 1/14/2020	Analysis E	Date: 1/	15/2020	:	SeqNo: 22	260406	Units: <b>mg/K</b>	g		
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			
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			
<b>,</b> ,										

Sample ID: 2001435-038amsd	)	TestCode: EPA Method 8021B: Volatiles								
Client ID: 20200109C8VZ SE Batch ID: 49809				R	RunNo: <b>65</b>	821				
Prep Date: 1/14/2020	Analysis [	Date: 1/1	5/2020	S	SeqNo: 22	260410	Units: <b>mg/K</b>	g		
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		Tes	PA Method	s					
Client ID:	PBS	Batch	ID: <b>498</b>	808	F	RunNo: <b>65</b>	822				
Prep Date:	1/14/2020	Analysis D	ate: 1/	15/2020	;	SeqNo: 22	260480	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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WO#: 2001435

28-Jan-20

**Client:** 

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Environmental Plus, Inc

Project: EPI Vado	se Zone N	Aonitori	ng							
Sample ID: 2001435-017ams	Samp	Туре: <b>МS</b>	;	Tes	tCode: EF	PA Method	8021B: Volatile	es		
Client ID: 20200108C4VZ N	E Bato	ch ID: <b>498</b>	308	F	RunNo: <b>65</b>	822				
Prep Date: 1/14/2020	Analysis I	Date: 1/	15/2020	5	SeqNo: 22	260483	Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND 0.98	0.025 0.050 0.050 0.10	1.000		97.9	80	120			
Sample ID: LCS-49808	Tes	tCode: EF	PA Method	8021B: Volatile	es					
Client ID: LCSS	Batc	h ID: <b>498</b>	08	F	RunNo: <b>65</b>	822				
Prep Date: 1/14/2020	Analysis [	Date: 1/	15/2020	S	SeqNo: 22	260481	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 Ethylbenzene	0.98 1.0	0.050 0.050	1.000 1.000	0 0	98.2 99.8	80 80	120 120			
Xylenes, Total	3.0	0.000	3.000	0 0	100	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	80	120			
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	0.97 1.0 1.1 3.1 0.92	0.024 0.048 0.048 0.096	0.9643 0.9643 0.9643 2.893 0.9643	0 0.005488 0 0.01755	101 105 109 107 95.9	78.5 75.7 74.3 72.9 80	119 123 126 130 120			
Sample ID: 2001435-017amsd	Samp	Туре: <b>МS</b>	D	Tes	tCode: Ef	PA Method	8021B: Volatile	es		
Client ID: 20200108C4VZ N	E Bato	ch ID: <b>498</b>	308	F	RunNo: <b>65</b>	822				
Prep Date: 1/14/2020	Analysis I	Date: 1/	15/2020	S	SeqNo: 22	260484	Units: <b>mg/Kg</b>			
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 2.893	0 01755	110	74.3	126	0.753 1.24	20 20	
Xylenes, Total	3.1	0.096	2.693	0.01755	108	72.9	130	1.24	20	

#### **Qualifiers:**

Mercury

Value exceeds Maximum Contaminant Level.

Surr: 4-Bromofluorobenzene

D Sample Diluted Due to Matrix Н

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

97.7

80

Value above quantitation range Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

0.9643

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0

0

120

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WO#: 2001435

28-Jan-20

0.94

ND

0.033

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

PQL

0.033

Result

ND

2001435

28-Jan-20

WO#:

Client:	Environmental Plus, Inc
Project:	EPI Vadose Zone Monitoring

Sample ID: MB-49772 Client ID: PBS	SampType: MBLK Batch ID: 49772	TestCode: EPA Method 7471: Mercury RunNo: 65742
Prep Date: 1/13/2020	Analysis Date: 1/13/2020	SeqNo: 2257836 Units: mg/Kg
Analyte	Result PQL SPK value SPK Rei	f Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: LCS-49772	SampType: LCS	TestCode: EPA Method 7471: Mercury
Client ID: LCSS	Batch ID: <b>49772</b>	RunNo: <b>65742</b>
Prep Date: 1/13/2020	Analysis Date: 1/13/2020	SeqNo: 2257838 Units: mg/Kg
Analyte	Result PQL SPK value SPK Rei	f 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: <b>49772</b>	RunNo: <b>65742</b>
Prep Date: 1/13/2020	Analysis Date: 1/13/2020	SeqNo: 2257867 Units: mg/Kg

0

%REC LowLimit

70

49.9

HighLimit

130

%RPD

RPDLimit

Qual

S

SPK value SPK Ref Val

0.006660

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

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## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Environmental Plus, Inc	
Project:	EPI Vadose Zone Monitoring	
Sample ID: MB-49	793 SampType: MBLK	TestCode: EPA Method 6010B: Soil Metals

Client ID:	PBS	Batch ID: <b>49793</b>			RunNo: 65					
Prep Date:	Date: 1/14/2020 Analysis Date: 1/15/2020		SeqNo: 22	261121	Units: mg/Kg					
Analyte		Result	PQL	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Antimony Barium Beryllium Cadmium Chromium Copper Lead Manganese Selenium Silver	ND ND ND ND ND ND ND ND ND	$\begin{array}{c} 2.5\\ 0.10\\ 0.15\\ 0.10\\ 0.30\\ 0.30\\ 0.25\\ 0.10\\ 2.5\\ 0.25\\ \end{array}$
Silver Zinc	ND ND	0.25 2.5

Sample ID: LCS-49793	S	TestCode: EPA Method 6010B: Soil Metals								
Client ID: LCSS	Batc	h ID: <b>497</b>	93	F	RunNo: <b>65839</b>					
Prep Date: 1/14/2020	Analysis E	Date: 1/	15/2020	:	SeqNo: 22	261123	Units: mg/Kg			
Analyte	Result	PQL	SPK value SF	YK 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.
- 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

- WO#: 2001435
  - 28-Jan-20

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**Client:** 

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Environmental Plus, Inc

28-Jan-20

Sample ID: 2	001435-005AMS	SampT	ype: <b>MS</b>	i	Te	stCode: EF	PA Method	6010B: Soil Me	tals		
Client ID:	20200108C1VZ C	<b>O</b> Batch	n ID: <b>497</b>	93		RunNo: <b>65</b>	5839				
Prep Date:	1/14/2020	Analysis D	ate: 1/	15/2020		SeqNo: 22	261143	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2	001435-005AMS	SampT	ype: <b>MS</b>	;	Te	stCode: El	PA Method	6010B: Soil Me	tals		
Client ID:	20200108C1VZ C	O Batcl	n ID: <b>497</b>	'93		RunNo: 65	5839				
Prep Date:	1/14/2020	Analysis D	ate: 1/	15/2020		SeqNo: 22	261143	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value S	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: 2	001435-005AMSD	Samp	Гуре: <b>МЅ</b>	D	Те	stCode: El	PA Method	6010B: Soil Me	tals		
Client ID:	20200108C1VZ CC	Batc	h ID: <b>497</b>	93		RunNo: 6	5839				
Prep Date:	1/14/2020	Analysis E	Date: 1/	15/2020		SeqNo: 22	261144	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: I	MB-49793	Samp	Гуре: <b>МВ</b>	LK	Te	stCode: El	PA Method	6010B: Soil Me	tals		
Client ID:	PBS	Batc	h ID: <b>497</b>	93		RunNo: 65	5839				
Prep Date:	1/14/2020	Analysis D	Date: 1/	15/2020		SeqNo: 22	261154	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. D
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

WO#: 2001435

28-Jan-20

Client:	Environmental Plus, Inc
Project:	EPI Vadose Zone Monitoring

Sample ID: LCS-49793	SampType: LCS	TestCode: EPA Method				
Client ID: LCSS	Batch ID: 49793	RunNo: 65916				
Prep Date: 1/14/2020	Analysis Date: 1/20/2020	SeqNo: 2263537	Units: <b>mg/Kg</b>			
Analyte	Result PQL SPK value SPK Re	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: <b>mg/Kg</b>			
Analyte	Result PQL SPK value SPK Re	Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Iron	27 2.5 25.00	0 110 80	120	В		

Sample ID: MB-49793	SampT	SampType: MBLK			tCode: EF					
Client ID: PBS	Batcl	Batch ID: <b>49793</b>			RunNo: <b>65916</b>					
Prep Date: 1/14/2020 Analysis Date: 1/20			20/2020	0 SeqNo: 2263535 Units: m						
Analyte	Result	PQL	SPK value SPK	KRef 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	SampT	/pe: <b>MS</b>		TestCode: EPA Method 6010B: Soil Metals						
Client ID:	20200108C1VZ C	ID: <b>497</b>	93	RunNo: <b>65916</b>							
Prep Date: 1/14/2020 Analysis Date: 1/20/2020					SeqNo: 2263556 Units: mg/K			Units: mg/Kg			
Analyte		Result	PQL	SPK value S	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: <b>200</b>	01435-005AMS	D Samp1	Гуре: <b>МЅ</b>	D	TestCode: EPA Method 6010B: Soil Metals						
Client ID: 20	0200108C1VZ	CO Batc	h ID: <b>497</b>	93		RunNo: <b>6</b>	5916				
Prep Date:	1/14/2020	Analysis D	Date: 1/2	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 0.2	20 25.06 319.2 -	66.5 75 125 1	16.4 20 S	Selenium 32	2 5.0 25.06 0	129 75 12	5 0.410 20 \$	5			

**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

Page 75 of 75

Page 331 of 356

2001435

WO#:

Hall E	nvironmenta	l Analy	ysis L	aborator	y, Inc.						28-Jan-20
Client:	Environme	ental Plus	, Inc								
Project:	EPI Vados	se Zone M	Ionitori	ng							
Sample ID:	2001435-005AMS	SampT	ype: <b>MS</b>	i	Tes	stCode: El	PA Method	6010B: Soil M	etals		
Client ID:	20200108C1VZ CC	Batc	h ID: <b>497</b>	93		RunNo: 6	5974				
Prep Date:	1/14/2020	Analysis D	ate: 1/	22/2020		SeqNo: 22	266114	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony		10	5.1	25.60	0	39.8	75	125			S
Sample ID:	2001435-005AMSD	SampT	ype: <b>MS</b>	D	Tes	stCode: El	PA Method	6010B: Soil M	etals		
Client ID:	20200108C1VZ CC	Batc	h ID: <b>497</b>	'93		RunNo: <b>6</b>	5974				
Prep Date:	1/14/2020	Analysis D	ate: 1/	22/2020		SeqNo: 22	266115	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.
- 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

Page 76 of 75

ANAL	RONMENTAL YSIS RATORY	Hall Environmental Alba TEL: 505-345-3975 Website: www.ha	4901 Hawki uquerque, NM 6 FAX: 505-345	ns NE 87109 St -4107	ample Log-In Che	eck List
Client Name:	ENVIRONMENTAL PLUS	Work Order Number:	2001435		RcptNo: 1	
Received By:	Daniel Marquez	1/11/2020 9:35:00 AM		(Trop)	~	
Completed By:	Leah Baca	1/13/2020 8:30:55 AM		1 1 17	2 Alla	
Reviewed By:	LAS	1/18/20		Larja		
Chain of Cus	stody					
1. Is Chain of C	sustody sufficiently complete?		Yes 🗹	No [	Not Present	
2. How was the	sample delivered?		Client			
Log In 3. Was an atten	npt made to cool the samples?		Yes 🗹	No [		
4. Were all sam	ples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No [		
5. Sample(s) in	proper container(s)?		Yes 🗹	No [	]	
6. Sufficient san	nple volume for indicated test(s	3)?	Yes 🗹	No 🗌	]	ti.
7. Are samples	(except VOA and ONG) proper	ly preserved?	Yes 🗹	No 🗌	]	
8. Was preserva	ative added to bottles?		Yes 🗌	No 🗹		
9. Received at le	east 1 vial with headspace <1/4	I" for AQ VOA?	Yes 🗌	No 🗌	] 🛛 🛛 🗹	
10. Were any sai	mple containers received broke	en?	Yes 🗆	No 🗹	# of preserved bottles checked	
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No	] for pH:	unless noted)
	correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	] Adjusted2	
3. Is it clear wha	t analyses were requested?		Yes 🗹	No 🗌		
	ing times able to be met? ustomer for authorization.)		Yes 🗹	No	Checked by: DAC	) 1/13/20
Special Hand	ling (if applicable)					
15. Was client no	otified of all discrepancies with	this order?	Yes 🗌	No [	NA 🗹	
Person	Notified:	Date				
By Who	Contraction of the second	Via:	eMail 📋	Phone 🗌 F	ax 🗌 In Person	
Regard			an der von seine Stennen verster verster under gester von seinen seinen seinen seinen seinen seinen seinen sein			
16. Additional re	nstructions:	15. (1. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			et set et en a l'an attan a l'an anna an	
17. <u>Cooler Info</u>						
Cooler No	11.2.1.8. A - one shows a contract of the second descent for the first operation of the second s	eal Intact Seal No S	eal Date	Signed By		
1	2.5 Good		ar gruine line an hailte a' d			
2	3.3 Good	1				

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Page 1 of 1

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Hall ENVIRONMENTAL         Hall ENVIRONMENTAL         ANALYSIS LABORATORY         ANALYSIS LABORATORY         www.hallenvironmental.com         4901 Hawkins NE - Albuquerque, NM 87109         Tel. 505-345-3975         Fax 505-345-4107         Analysis Request	8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA & Metals Conference B260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent) Total Coliform (Present/Absent)				Date     Time     Remarks:     Metade     Sk, Rs, Br, Be, CÅ, C, R, T, H, SA       Date     Time     Remarks:     Metade     Sk, Rs, Br, Be, CÅ, C, R, T, H, SA       Date     Time     Remarks:     Metade     Sk, Rs, Br, Be, CÅ, C, R, T, H, SA       Date     Time     Remarks:     Metade     Sk, Rs, Br, Be, CÅ, C, R, T, H, SA       Date     Time     Remarks:     Metade     Sk, Rs, Br, CA, C, R, T, H, SA       Date     Time     Remarks:     Refered     Sk, Rs, Br, CA, C, R, T, H, SA       Date     Time     Refered     Refered     Sk, Rs, Br, CA, C, R, T, H, SA       Date     Time     Refered     Refered     Sk, Rs, Br, CA, C, R, T, H, SA       Date     Time     Refered     Refered     Sk, Rs, Br, CA, C, R, T, H, SA       Date     Time     Refered     Refered     Refered     Sk, Rs       Date     O     St, CA     Sk, T, H, SA     Sk       Date     O     St, CA     Sk     Sk     Sk       Date     Time     Refered     Sk     Sk     Sk       Date     O     Sk     Sk     Sk     Sk       Date     O     Sk     Sk     Sk     Sk       Date     O     Sk     Sk     Sk
Turn-Around Time: I Standard & to dow Project Name: Project #: Project #:	Project Manager: Project Manager: Project Manager: Sampler: Mast. And Sampler: Mast. And Sampler: Mast. And Sampler: Mast. And Mast.	100- 100-	-003 X X -004 X X -006 X X	- 000 × × × × × × × × × × × × × × × × ×	
Chain-of-Custody Record Tur Client: Car Lawol Farm Mailing Address: Mailing Address: 675, 631, 1677	email or Fax#: <i>mccas.tand_67@ms.n.com</i> Project QA/QC Package:	SO'I JOJOOIOBCIVZSW	9:31 20200108CIVZNE 9:31 20200108CIVZNW 9:39 20200108CIVZSW 9:39 20200108CIVZSW		Image: Time:     Relinquished by:       Date:     Time:       Relinquished by:     Received by:       Date:     Time:       Relinquished by:     Chuldhat       Date:     Time:       Resceived by:     Via:       Inforto     Provide       If hecessary, samples Submitted to Hall Environmental may be subcontracted to other accredited laboratories.

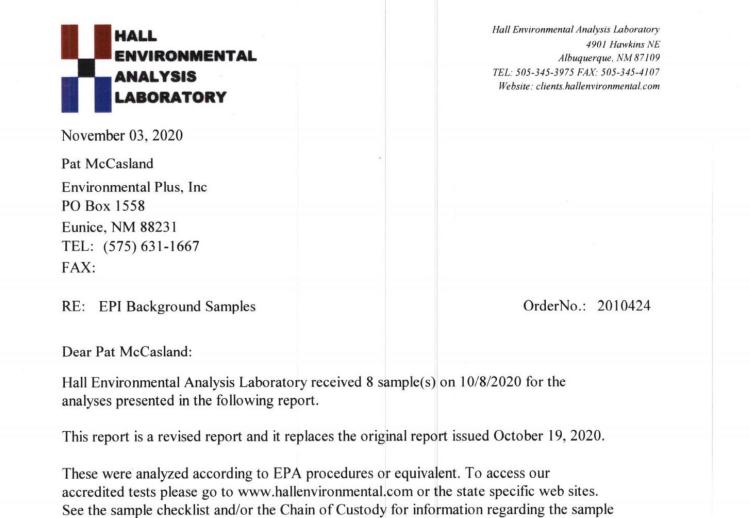
Hall ENVIRONMENTAL         Hall ENVIRONMENTAL         Anal VSIS Laboratory         Anal VSIS Laboratory         www.hallenvironmental.com         4901 Hawkins NE - Albuquerque, NM 87109         Tel. 505-345-3975         Fax 505-345-4107	TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PPHs by 8310 or 8270SIMS RCRA & Metals See Dodo, SO4 8250 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent) Total Coliform (Present/Absent)				Time Dur Remarks: Method Time Sb, AS, Ba, Be, Cd, Cr, Re, TJ, Hg, Se, Ag, Cu and Time Fe, Mn, Zn. 9.5 EAB 6010B cn 6030 as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time: lodau Standard Dough Project Name: Project #:	Project Manager: Tat MCASLAND Sampler: PM On Ice: EVes INO # of Coolers: 2 (0) Cooler Tempineuling (7):2 5 (0) Cooler Tempineuling (7):2 5 (0) TMB's (8021) MEL/ TMB's (8021) MEL/ TMB's (8021)	-013	X 310- X 410- X 490- X 490-	-020 -021 -021 -022 -024	Via: Date Via: Date DD 1/1/CO odited laboratories. This serves
Chain-of-Custody Record Client: EPL Lang Adress: Mailing Address: Phone #: 575, 631, 1667	email or Fax#: <i>Miteos land, &amp; X</i> @ <i>ms.n., Com</i> QA/QC Package:	Sail JUZOB 108 C. MZ Comp	20200108CHVZ 20200108CHV 20200108CHVZ 20200108CHVZ	13:22 202008 (5VZ 5C 13:20 202008 (5VZ K 13:20 202008 (5VZ C 23:00 20200108 (5VZ Comp 23:00 20200108 (6VZ 5C	frommental may be subco

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Client:     Chain-of-Custody F       Client:     Chain-of-Custody F       Mailing Address:     Mailing Address:       Mailing Address:     Mailing Address:       Phone #:     525, 631, 1/67       Phone #:     525, 631, 1/67       OA/OC Package:     Level 4 (I       OA/OC Package:     Level 4 (I       OA/OC Package:     Date       Isolate     Time       Matrix     Sample N       OA/OC Package:     Date       OA/OC Package:     Date       Isolate     Date       Isolate     Other       Oate     Date       Isolo     Oate       Oate     Date	of-Custody Record Landfarm	C Package: andard	41:55 Soil BROOIDER BVIEL NE 9:05 / 2020010908VESE		202001091C911 202001091C9110 202001091C11110	81.8	

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HALL ENVIRONMENTAI ANALYSIS LABORATOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request	8270 (Semi-VOA) Total Coliform (Present/Absent)				Ba, Be, CJ, C 7, Zh, or 6020 any notated on the analytical re
	PAHs by 8310 or 8270SIMS CDF, Br, NO3, NO2, PO4, SO4 S260 (VOA)	×××	XXXXX		1: Sb, H5, 1 Cu, Fe, Mn, 1 (010B m cted data will be clearly
ANAL ANAL www.ha 4901 Hawkins NE Tel. 505-345-3975	BTEX MTBE / TMB's (8021) EDB (Method 504.1) EDB (Method 504.1)				Remarks: Motals: Sb, HS, Ba, Be, Hg, Se, Ag, Cu, Fe, Mn, Zn, EPA Method (D)OB or (D3D possibility. Any sub-contracted data will be clearly notated on the s
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Chain-of-Custody Record :EPT Land Farm g Address: e #: 575, 631, 1667	email or Fax#: <i>MCCq.S1and_E7@MSn.Oon</i> QA/QC Package: 		2020D109C11VZCOMP 2020D109C11VZCOMP 20200109C12VZME 20200109C12VZMU 20200109C12VZMU	SLEPOID CIA VZ COMP 20200109 CIA VZ C 20200109 CIAVZ C	Time: Relinquished by: Via: 13.44 Mr Mr Mr Ma Time: Relinquished by: Via: 140 A Mr
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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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

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#### Analytical Report Lab Order 2010424

Date Reported: 11/3/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc Project: EPI Background Samples			Sample ID:		007BGES 020 10:57:00 AM					
Lab ID:         2010424-001	Matrix: SOIL	<b>Received Date:</b> 10/8/2020 7:45:00 AM								
Analyses	Result	RL Qu	al Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RA	NGE 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 S	HORT 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: GASOL	NE 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					

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank	
•	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 1 of 12
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Fage 1 01 12
	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			Sample ID: ction Date:		007BGEN 020 11:05:00 AM					
Lab ID: 2010424-002	Matrix: SOIL	Rece	Received Date: 10/8/2020 7:45:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RAN	GE 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 SH	ORT 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: GASOLIN	E 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					

Qualifiers:	•	Value exceeds Maximum Contaminant Level	В	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	Р	Sample pH Not In Range	Page 2 of 12
PQL	Practical Quanitative Limit	RL	Reporting Limit	1 age 2 01 12	
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

### Hall Environmental Analysis Laboratory, Inc.

Lab Order **2010424** Date Reported: **11/3/2020** 

CLIENT: Environmental Plus, Inc		Client	Sample ID:	20201	007BGNE		
Project: EPI Background Samples		Collection Date: 10/7/2020 11:09:00 AM					
Lab ID: 2010424-003	Matrix: SOIL	Rec	eived Date:	10/8/2	020 7:45:00 AM		
Analyses	Result	RL Q	ual Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANG	SE 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 SHO	ORT 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	ERANGE				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		

Qualifiers:	* D	Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix	B	Analyte detected in the associated Method Blank Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 3 of 12
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Fage 5 01 12
	S	% Recovery outside of range due to dilution or matrix			

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2010424

Date Reported: 11/3/2020

CLIENT: Environmental Plus, IncProject: EPI Background SamplesLab ID: 2010424-004	Matrix: SOIL	Collec		10/7/2	007BGNW 020 11:16:00 AM 020 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE 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: CA
Chloride	ND	3.0	mg/Kg	1	10/23/2020 1:26:06 PI
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst: DJ
Benzene	ND	0.024	mg/Kg	1	10/11/2020 8:06:01 A
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 AI
Xylenes, Total	ND	0.095	mg/Kg	1	10/11/2020 8:06:01 AI
Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	1	10/11/2020 8:06:01 AI
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	10/11/2020 8:06:01 AI
Surr: Dibromofluoromethane	109	70-130	%Rec	1	10/11/2020 8:06:01 A
Surr: Toluene-d8	92.1	70-130	%Rec	1	10/11/2020 8:06:01 A
EPA METHOD 8015D MOD: GASOL	NE RANGE				Analyst: DJ
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/11/2020 8:06:01 A
Surr: BFB	97.4	70-130	%Rec	1	10/11/2020 8:06:01 A

	Qualifiers: * D H NI PQ S		B E J P RL	Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit	Page 4 of 12
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Lab ID:

**CLIENT:** Environmental Plus, Inc

Project: EPI Background Samples

2010424-005

#### **Analytical Report**

Hall Environmental	Analysis	Laboratory,	Inc.
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Lab Order 2010424

Date Reported: 11/3/2020

### 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 ORGA	NICS				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	r				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

Matrix: SOIL

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

Qualifiers:	* D	Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix	B	Analyte detected in the associated Method Blank Value above quantitation range	
	Ц	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	D 5 610
PQL	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 5 of 12
	S	% Recovery outside of range due to dilution or matrix			

#### Released to Imaging: 7/11/2025 1:50:26 PM

**Project:** 

Lab ID:

CLIENT: Environmental Plus, Inc

2010424-006

EPI Background Samples

### **Analytical Report**

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2010424 Date Reported: 11/3/2020

#### 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 Qu	al 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 SHOR	T 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 F	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

Matrix: SOIL

<b>Dualifiers</b> :		Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 6 of 12
	PQL	Practical Quanitative Limit	RL	Reporting Limit	rage 0 01 12
	S	% Recovery outside of range due to dilution or matrix			

#### **Analytical Report** Lab Order 2010424

Date Reported: 11/3/2020

Analyst: DJF 10/11/2020 9:35:46 AM 10/11/2020 9:35:46 AM

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Environmental Plus, Inc		Client Sample ID: 20201007BGSW Collection Date: 10/7/2020 11:50:00 AM						
Project: EPI Background Samples								
Lab ID: 2010424-007	Matrix: SOIL	Rece	ived Date:	10/8/2	2020 7:45:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RAN	NGE 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 S	HORT 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			

Surr: Toluene-d8	96.9	70-130	%Rec	1	
EPA METHOD 8015D MOD: GASOLINE RANGE					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	j,
Surr: BFB	95.1	70-130	%Rec	1	

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

* D H ND PQL S	Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Practical Quanitative Limit % Recovery outside of range due to dilution or matrix	B E J P RL	Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit	Page 7 of 12
	H ND PQL	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	D     Sample Diluted Due to Matrix     E       H     Holding times for preparation or analysis exceeded     J       ND     Not Detected at the Reporting Limit     P       PQL     Practical Quanitative Limit     RL	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

#### Released to Imaging: 7/11/2025 1:50:26 PM

Analytical Report Lab Order 2010424

#### Date Reported: 11/3/2020

## Hall Environmental Analysis Laboratory, Inc.

	nvironmental Plus, Inc			Sample ID:		
Project: E	PI Background Samples					020 11:55:00 AM
Lab ID: 2	010424-008	Matrix: SOIL	Re	ceived Date:	10/8/2	2020 7:45:00 AM
Analyses		Result	RL Q	ual Units	DF	Date Analyzed
EPA METH	OD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: mb
Diesel Rang	ge Organics (DRO)	ND	9.5	mg/Kg	1	10/10/2020 4:49:41 PM
Motor Oil R	ange Organics (MRO)	ND	47	mg/Kg	1	10/10/2020 4:49:41 PM
Surr: DN	OP	96.2	30.4-154	%Rec	1	10/10/2020 4:49:41 PM
EPA METH	OD 300.0: ANIONS					Analyst: CAS
Chloride		ND	3.0	mg/Kg	1	10/23/2020 2:15:45 PM
EPA METH	OD 8260B: VOLATILES SH	ORT 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
Ethylbenzer	ne	ND	0.047	mg/Kg	1	10/11/2020 10:05:44 AM
Xylenes, To	otal	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-B	romofluorobenzene	103	70-130	%Rec	1	10/11/2020 10:05:44 AM
Surr: Dib	romofluoromethane	105	70-130	%Rec	1	10/11/2020 10:05:44 AM
Surr: Tol	uene-d8	95.2	70-130	%Rec	1	10/11/2020 10:05:44 AM
EPA METH	OD 8015D MOD: GASOLIN	ERANGE				Analyst: DJF
Gasoline R	ange Organics (GRO)	ND	4.7	mg/Kg	1	10/11/2020 10:05:44 AM
Surr: BFI		96.5	70-130	%Rec	1	10/11/2020 10:05:44 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 8 of 12
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Fage o 01 12
	S	% Recovery outside of range due to dilution or matrix			

**Client:** 

**Project:** 

Client ID:

Prep Date:

Client ID:

Prep Date:

Analyte

Chloride

Analyte

Chloride

Sample ID: MB-55803

Sample ID: LCS-55803

LCSS

PBS

10/13/2020

10/13/2020

2010424

WO#:

## **QC SUMMARY REPORT**

Hall Environmental Analysis Laboratory, Inc.

Result

Result

14

ND

Batch ID: 55803

Analysis Date: 10/13/2020

PQL

1.5

SPK value SPK Ref Val

0

15.00

03-Nov-20 Environmental Plus, Inc **EPI Background Samples** SampType: mblk TestCode: EPA Method 300.0: Anions RunNo: 72636 Batch ID: 55803 Analysis Date: 10/13/2020 SeqNo: 2550833 Units: mg/Kg SPK value SPK Ref Val %REC PQL LowLimit HighLimit %RPD **RPDLimit** Qual 1.5 SampType: Ics TestCode: EPA Method 300.0: Anions

Units: mg/Kg

110

%RPD

**RPDLimit** 

Qual

HighLimit

RunNo: 72636

%REC

93.5

SeqNo: 2550834

LowLimit

90

n	-	-		٠			-		-	-
Q	u	я	I	1	I	ı	e	r	s	:

- Value exceeds Maximum Contaminant Level .
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit POL
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

в

Reporting Limit RL

Page 9 of 12

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 2010424 03-Nov-20

Client: Project:		mental Plus kground Sar									
Sample ID:	LCS-55740	SampT	ype: LC	s		TestCode:	EPA Metho	od 8015M/D: Die	esel Range	Organics	
Client ID:	LCSS	Batch	ID: 55	740		RunNo:	72563				
Prep Date:	10/9/2020	Analysis D	ate: 10	/10/2020		SeqNo:	2547623	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref \	/al %REC		and the second se	%RPD	RPDLimit	Qual
Diesel Range Surr: DNOF	Organics (DRO)	44 4.3	10	50.00 5.000	0	88.8 85.7		0 130 4 154			
Sample ID:	MB-55740	SampT	ype: ME	BLK		TestCode:	EPA Metho	od 8015M/D: Die	esel Range	Organics	
Client ID:	PBS	Batch	ID: 55	740		RunNo:					
Prep Date:	10/9/2020	Analysis D	ate: 10	0/10/2020		SeqNo:	2547624	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref	/al %RE0	C LowLin	nit HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	ND ND	10 50								
Surr: DNOF	ge Organics (MRO)	9.4	50	10.00		93.	9 30.	4 154			
Qualifiers:											
D Sampl	exceeds Maximum Contami e Diluted Due to Matrix				E Valu	e above quantita					
ND Not D PQL Practic	ng times for preparation or an etected at the Reporting Limi cal Quanitative Limit covery outside of range due to	it			P Samj	yte detected bek ole pH Not In Ra orting Limit	ow quantitation li inge	anns		Page 10 c	of 12

2010424

03-Nov-20

WO#:

# **QC SUMMARY REPORT**

Hall Environmental Analysis Laboratory, Inc.

Environmental Plus, Inc **Client: Project: EPI Background Samples** TestCode: EPA Method 8260B: Volatiles Short List SampType: MBLK Sample ID: mb-55733 RunNo: 72553 Batch ID: 55733 Client ID: PBS SeqNo: 2547128 Prep Date: 10/8/2020 Analysis Date: 10/9/2020 Units: mg/Kg RPDLimit SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual PQL Result Analyte 0.025 ND Benzene 0.050 ND Toluene 0.050 ND Ethylbenzene Xylenes, Total ND 0.10 0.5000 104 70 130 0.52 Surr: 1,2-Dichloroethane-d4 70 130 0.51 0.5000 103 Surr: 4-Bromofluorobenzene 0.52 0.5000 105 70 130 Surr: Dibromofluoromethane 93.6 70 130 0.5000 Surr: Toluene-d8 0.47 TestCode: EPA Method 8260B: Volatiles Short List SampType: LCS4 Sample ID: Ics-55733 RunNo: 72553 Batch ID: 55733 Client ID: BatchQC SeqNo: 2547129 Units: mg/Kg Analysis Date: 10/9/2020 Prep Date: 10/8/2020 %RPD RPDLimit Qual %REC HighLimit PQL SPK value SPK Ref Val LowLimit Result Analyte 120 0.025 1.000 0 105 80 1.1 Benzene 0 100 80 120 0.050 1.000 Toluene 1.0 0 80 120 0.050 1.000 97.7 0.98 Ethylbenzene 3.000 0 101 80 120 3.0 0.10 Xylenes, Total 104 70 130 0.52 0.5000 Surr: 1,2-Dichloroethane-d4 70 130 0.51 0.5000 101 Surr: 4-Bromofluorobenzene 107 70 130 0.5000 0.54 Surr: Dibromofluoromethane 96.3 70 130 0.5000 Surr: Toluene-d8 0.48

#### Qualifiers:

Value exceeds Maximum Contaminant Level Sample Diluted Due to Matrix D

Analyte detected in the associated Method Blank в Е

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

Practical Quanitative Limit POL

% Recovery outside of range due to dilution or matrix S

Value above quantitation range

Analyte detected below quantitation limits J

- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 12

2010424

WO#:

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	1000 March 1000										
Client: Project:		mental Plus kground Sa									
Sample ID	mb-55733	SampT	ype: ME	BLK	T	estCode: E	PA Metho	d 8015D Mod:	Gasoline F	lange	
Client ID:			n ID: 55			RunNo: 7	2553				
Prep Date		Analysis D				SeqNo: 2	547154	Units: mg/	Kg		
	10/0/2020									RPDLimit	Qual
Analyte		Result ND	PQL 5.0	SPK value	SPK Ref Va	a %REC	LowLim	it HighLimit	%RPD	RPDLIMIL	Quai
Surr: BFB	nge Organics (GRO)	480	5.0	500.0		95.8	70	0 130			
Sample ID	c lcs-55733	SampT	ype: LC	s	т	estCode: E	PA Metho	d 8015D Mod:	Gasoline F	Range	
Client ID:	LCSS	Batch	h ID: 55	733		RunNo: 7	2553				
Prep Date	10/8/2020	Analysis D	Date: 1	0/9/2020		SeqNo: 2	547155	Units: mg/	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Va	al %REC	LowLim	it HighLimit	%RPD	RPDLimit	Qual
	nge Organics (GRO)	22	5.0	25.00	0	88.2					
Surr: BFB		470		500.0		94.0	7	0 130			
Oneliferra											
Qualifiers: * Valu	e exceeds Maximum Contam	inant Level			B Analyt	e detected in the	associated Met	hod Blank			
D Samj	ole Diluted Due to Matrix ing times for preparation or a				E Value a J Analyt	above quantitation e detected below e pH Not In Ran	on range v quantitation lii			Page 12 d	610

Received by	<b>OCD</b> :	7/11/2025	1:45:11 PM
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Client Name: Environmental Plus, Inc Wo	ork Order Number: 201	0424		RcptNo: 1
Received By: Desiree Dominguez 10/8/	2020 7:45:00 AM		De	
and the state of t	2020 9:02:42 AM		illans g	
Reviewed By: JR 1018/20				
hain of Custody				_
. Is Chain of Custody complete?	Yes	×	No 🗌	Not Present
How was the sample delivered?	Cou	urier		
Log In . Was an attempt made to cool the samples?	Yes	<b>V</b>	No 🗌	NA 🗌
. Were all samples received at a temperature of $>0^{\circ}$	C to 6.0°C Yes		No 🗌	
. Sample(s) in proper container(s)?	Yes		No 🗌	
Sufficient sample volume for indicated test(s)?	Yes	✓	No 🗌	
Are samples (except VOA and ONG) properly prese	erved? Yes	✓	No 🗌	
. Was preservative added to bottles?	Yes		No 🖌	NA
. Received at least 1 vial with headspace <1/4" for A	Q VOA? Yes		No 🗌	NA 🔽
). Were any sample containers received broken?	Yes		No 🗹	# of preserved bottles checked
. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes		No 🗌	for pH: (<2 or >12 unless noted)
Are matrices correctly identified on Chain of Custod		<b>v</b>	No 🗌	Adjusted?
Is it clear what analyses were requested?	Yes		No 🗌	Checked by MC 10/8/2
<ul> <li>Were all holding times able to be met?</li> <li>(If no, notify customer for authorization.)</li> <li>Decial Handling (if applicable)</li> </ul>	Yes	<b>v</b>	No 🗔	
5. Was client notified of all discrepancies with this ord	der? Yes	3	No	NA 🗸
Person Notified:	Date			
By Whom:	and the second se	Mail 🗌 P	hone 🗌 Fax	In Person
Client Instructions:				
6. Additional remarks: 7. <u>Cooler Information</u>				
Cooler No         Temp °C         Condition         Seal Internation           1         0.7         Good         Goo	act Seal No Seal [	Date	Signed By	

CPT_Levelody Record     Turn-Around Time:       CPT_Level     us Standard     Rush       Address:     Project Name:     Project Name:       Address:     Project Name:     Project Name:       Address:     Address:     Project Name:       Address:     Project Name:     Project Name:       Address:     Address:     Project Name:       Address:     Address:     Project Name:       Address:     Address:     Project Name:       Address:     Acc     Other     Project Name:       Address:     Acc     Other     Acc       Address:     Acc     Other     Acc       Address:     Acc     Other     Acc       Address:     Acc     Cooler:     Acc       Address:     Acc     Acc     Acc <t< th=""><th></th><th>Į</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>		Į													
CPT_Lev/Freich         ussistent         Rush           Project Name:         Project Name:         Address:         Address:         Address:           Address:         Project Name:         Project Name:         Address:         Address:         Address:           Address:         Project Name:         Project Name:         Project Name:         Address:         Address:         Address:           Address:         Project Name:         Project Name:         Project Name:         Address:         Address:         Address:           Address:         Project Name:         Project Name:         Project Name:         Address:         Address:         Address:           Address:         Project Name:         Project Name:         Project Name:         Project Name:         Address:         Address:           Address:         Project Name:         Project Name:         Project Name:         Project Name:         Address:         Address:           Address:         Proved A Full Validation         Proved A Full Validation         Proved A Full Validation         Address:         Address:         Address:           Address:         Proved A Full Validation         Proved A Full Validation         Proved A Full Validation         Address:         Address:         Address:	0	hain	-of-CL	stody Record	Turn-Around	Time:						i			
Project Name:     Project Name:       Project Name:     Project Name:       Project Name:     Project Name:       Project Name:     Project Manager:       Project Name:     Project Manager:       Project Name:     Project Manager:       Project Name:     Project Manager:       Project Manager:     Project Manager:       Prol     Project Manager:	Client:	EPT	- Lory	6 FRAM	Standard							YS.		ABORA	TORY
Project #:         Autometric         Autometric         Autometric         MB7103           File         11         Level 4 [Full Validation)         Project #:         4901 Hawkins NE         4901 Hawkins NE         Autometric         Autometri					Project Name	ä			No.	5	ww.ha	lenviro	nmen	tal.com	
Project #:     Project #:       11 Libro L	Mailing	Addres	::		SPT-1	Car Kinken	10 Shades		4901	lawkin	s NE	Albu	nerar	le. NM 87109	
Compliance         Complia					Project #:		and the second second		Tel. 5	05-345	-3975	Fa	x 505	-345-4107	
Project Manager.         Project Manager.           Project Manager.         Project Manager.           Project Manager.         Project Manager.           Project Manager.         Sampler.           Project Manager.         Project Manager.           Project Manager.         Sampler.           Project Manager.         Sampler.           Project Manager.         Sampler.           Project Manager.         Sampler.         Manager.           Project Manager.         Project Manager.         Sampler.           Project Manager.         Project Manager.         Project Manager.	Phone	#: 52	15, 63	1,1667								nalys	s Rec	luest	
ackage:         Interfactor         Devint Array         Contraction         Sample:           Id         0:         1         0.45 Compliance         0.10 cm         0.10 cm <td< td=""><td>email o</td><td>r Fax#:</td><td></td><td>1-6700 ms</td><td>Project Mana</td><td>iger:</td><td></td><td>(1)</td><td></td><td></td><td></td><td>*O5</td><td></td><td>(jua</td><td></td></td<>	email o	r Fax#:		1-6700 ms	Project Mana	iger:		(1)				*O5		(jua	
ation:	QA/QC	Package Idard		Level 4 (Full Validation)	Par M	PCASLAN.	Ŷ,	208) s'			SMISO	PO4, 5		əedAltr	
On Contert         On Contert         On Contert         End of the content	Accred	itation:	D Az Co	ompliance	Sampler: +	37 M Cr	CLARKD ST	amt		(1.1	1/78	10 <sup>5</sup>	(	_	
Time         Matrix         Sample Name         # of Coolers:           Time         Matrix         Sample Name         Cooler Temporating COI, S, G, Li S, A         Cooler Temporating COI, S, A         Cooler S, A         Coole	D NEL	AC	□ Other		On Ice:	D Yes	ON D	. /		Þ09		1 'E	(AC	_	
Time         Matrix         Sample Name         Cooler Templementer or:         0.5         0.1	EDC	(Type)			# of Coolers:	1		381		; poi		_		_	
Time     Matrix     Sample Name     Container     Preservative     HEAL No.     III Rel No.     III Rel No. $R_{CC}$ $S_{CC}$ $Z_{CC}$ $Z_$					Cooler Temp	ó	-0.1=0.7	M		ltəl				_	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	20	(X3T8		EDB (N					
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III $3c3c hco flood hild     -6c4 X$		1109	/	2020100000 NE	1	/	-003	X	X			X			
$1/35$ $2e_{3}c_{1}(c_{1}Be_{1}M)$ $-0e_{5}$ $K$ </td <td>(</td> <td>111</td> <td></td> <td>Lese 1007Blent</td> <td>/</td> <td></td> <td>100-</td> <td>X</td> <td>X</td> <td></td> <td></td> <td><math>\times</math></td> <td></td> <td></td> <td></td>	(	111		Lese 1007Blent	/		100-	X	X			$\times$			
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$\frac{11.55}{1.55} = \frac{1}{320} = \frac{1}{320} = \frac{1}{100} =$	/	1150		0	{		-007	X	$\times$			×			
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	Date: 10/7/20	Time: ,	· · · · · · · · · · · · · · · · · · ·	led by:	Received by:	Centrel	70 Tir		-	2	1	and a	iatu u ta		

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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
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Operator:	OGRID:
ENVIRONMENTAL PLUS INC	195265
PO Box 1748	Action Number:
EUNICE, NM 88231	484278
	Action Type:
	[C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

COND	TIONS
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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

Action 484278