



December 9, 2022

**New Mexico Oil Conservation Division**

New Mexico Energy, Minerals, and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Release Response Action Plan**

Bisti Landfarm  
San Juan County, New Mexico  
Western Refining Southwest LLC  
NMOCD Permit Number: NM2-0010

To Whom It May Concern:

On behalf of Western Refining Southwest LLC (Western), Ensolum, LLC (Ensolum) is submitting this *Release Response Action Plan* in response to soil sampling data collected on February 10, 2022 (first quarter) and September 22, 2022 (third quarter) at the Bisti Landfarm (the Site, shown on Figure 1). Soil compliance monitoring activities were performed during the first, second, and third quarter sampling events in accordance with New Mexico Landfarm Permit Number NM2-0010 (approved under former Rule 711) and the current requirements set forth in 19.15.36.15 of the New Mexico Administrative Code (NMAC).

Soil samples were collected for quarterly compliance monitoring from the vadose zone at depths of approximately 3 feet below native ground surface. Four randomly selected, discrete soil samples were collected from below each treatment cell (Crude Cell and API Cell locations are presented in Figure 2) during the first and third quarter sampling events. Specifically, during each event, four discrete samples were collected from the Crude Cell and four discrete samples were collected from the API Cell at the locations indicated on Figure 3. Samples were submitted to Hall Environmental Analysis Laboratory (Hall) and analyzed for total petroleum hydrocarbons (TPH) by Environmental Protection Agency (EPA) Method 418.1 or EPA Method 8015, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA Method 300.0.

Analytical results from the first quarter sampling event (February 10, 2022) indicated that chloride was detected above the Site background concentration/laboratory practical quantitation limit (PQL, also known as reporting limit) in two samples: East Line Vadose and API 2 Vadose. Chloride, TPH, and BTEX concentrations were not detected in any of the remaining samples above the Site background/laboratory PQLs. Analytical results collected during the second quarter 2022 sampling event (June 20, 2022) indicated that TPH, BTEX, and/or chloride did not exceed background/laboratory PQL concentrations. Analytical results from the third quarter sampling event (September 22, 2022) indicated that chloride was detected above the Site background concentration/laboratory PQL in three samples: Pettigrew Vadose, API 3 Vadose, and API 4 Vadose. Chloride, TPH, and BTEX concentrations were not detected in any of the remaining samples above the Site background/laboratory PQLs. Sample locations are shown on Figure 3, with analytical results summarized in Table 1.

## RELEASE RESPONSE RE-SAMPLING

As defined in Subsection E(5) of 19.15.36.15 NMAC, a “release” of chloride to vadose zone soils was identified at the Site. Specifically, a release under Subsection E(5) of 19.15.36.15 NMAC is defined as detections of TPH, BTEX, or chloride exceeding the higher of the laboratory PQL or the background soil concentrations established for the Site. In response to the first and third quarter sample results, Western collected four randomly selected, discrete samples (from a depth of 3 feet below native ground surface) around each vadose zone sample with an exceedance of the Site background/laboratory PQLs (total of 20 discrete samples). Samples were analyzed for TPH, BTEX, chloride, and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC (constituents listed in attached Tables 2 through 6). PQL and/or background concentrations that were approved by the NMOCD in their letter dated June 15, 2020 are also presented in Tables 2 through 6. Sample locations for the November 11, 2022 re-sampling event are presented on Figure 4 in addition to the compliance monitoring sample locations with exceedances in the first and third quarters.

Of note, due to the extended time required to analyze Radium 226 and Radium 228 (30 days laboratory turnaround timeframe), those results have not been received. An addendum, including an updated table, will be submitted to NMOCD once these results are received. In addition, the laboratory was unable to complete the analysis of bicarbonate and carbonate parameters due to insufficient volumes of sample remaining. However, these constituents are general soil chemistry parameters and do not present a toxicity risk to human health, the environment, or groundwater. Lastly, soil samples used to establish the PQLs and background concentrations for the Site were gathered in 1998 and 2015 and were approved by the NMOCD in 2020. The analytical laboratory was informed of the requirement that reporting limits must be equal to or less than the Site PQL and/or background concentrations; however, based on the current analytical methods and procedures used, several analytes were unable to meet this requirement, as presented in Tables 2 through 6. Because the laboratory is using standardized and approved analytical methods for analysis, no other actions can be taken at this time to address the laboratory PQLs obtained during this sampling program.

### Release Response Re-Sampling Analytical Results

TPH and BTEX data has been summarized on Table 2. Based on the analytical results collected during the November 11, 2022 re-sampling event, these analytes were not detected above the laboratory PQLs. A summary of volatile organic compounds (VOCs) analyzed by EPA Method 8260B are presented in Table 3. Based on analytical results, there were no detections of the analyzed VOCs above the laboratory PQLs. Analytical results for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082, and phenol by EPA Method 9066 are presented on Table 4. Of the analyzed constituents, only phenol was detected above the laboratory PQL in sample HA15. However, the laboratory noted that phenol was also detected in the method blank for this analysis. As such, this detection can be attributed to a laboratory error and is not present in the soil sample collected at the Site.

Results for metals analyzed by EPA Methods 6010B and 6020, as well as cyanide by Method 9012B, are presented in Table 5. Of the analyzed constituents, arsenic, barium, calcium, chromium, copper, iron, potassium, and zinc were detected above the laboratory PQL and/or Site background concentrations. Lastly, Table 6 presents the analytical results for anions by EPA Method 300.0, pH by Standard Method (SM) 4500-H+B, and sodium by EPA Method 6010B. Of the analyzed constituents, chloride, fluoride, nitrate, sulfate, pH, and sodium concentrations exceeded the laboratory PQL and/or Site background concentrations.

## RELEASE RESPONSE ACTION PLAN

In accordance with subsection E(5) of 19.15.36.15 NMAC, Western has prepared this Action Plan to address exceedances of PQL and/or background concentration in the vadose zone at the Site. Western has requested closure of the landfarm through the submittal of a *Closure and Post-Closure Plan* dated October 28, 2022. Based on the analytical results gathered during this re-sampling event, and as specified in Subsection E of 19.15.36.18 NMAC (outlining closure and post-closure requirements), Western will engage with the NMOCD Incidents Group to evaluate and/or address the constituents detected during the re-sampling event in accordance with 19.15.29 NMAC. This plan will be submitted to the Incidents Group through the NMOCD E-Permitting website within 15 days of initial submittal to the Permitting Group.

### Proposed Changes to Landfarm Operation

No new cells or lifts have been added to the Bisti Landfarm since 2004 and will not be added in the future. Additionally, the landfarm is tilled bi-weekly to maintain the treatment cells and mitigate further migration of chlorides and other constituents. There are no other proposed changes to the landfarm at this time. Additionally, Western will continue to pursue closure of the landfarm facility as outlined in the *Closure and Post-Closure Plan* submitted to the NMOCD on October 28, 2022.

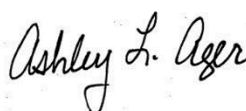
We appreciate the opportunity to provide this plan to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

**Ensolum, LLC**



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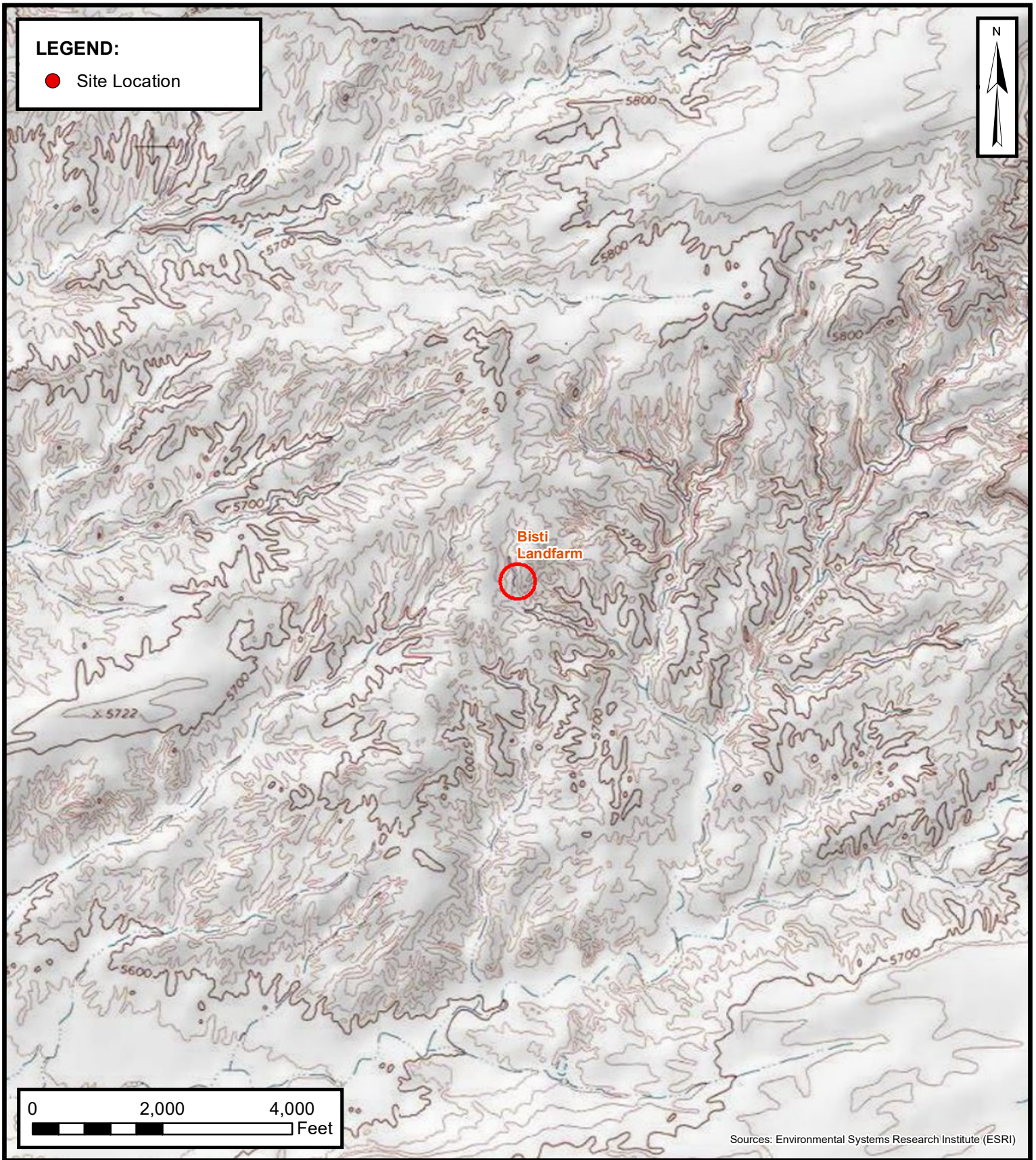
### Attachments:

- |             |                                                                    |
|-------------|--------------------------------------------------------------------|
| Figure 1:   | Site Location Map                                                  |
| Figure 2:   | Site Map                                                           |
| Figure 3:   | Compliance Sample Locations                                        |
| Figure 4:   | Vadose Zone Sample Locations                                       |
| Table 1:    | 2022 Quarterly and Semi-Annual Vadose Zone Soil Analytical Results |
| Table 2:    | Soil Analytical Results – BTEX and TPH                             |
| Table 3:    | Soil Analytical Results – PAH, PCB, and Phenol                     |
| Table 4:    | Soil Analytical Results – Volatile Organic Compounds               |
| Table 5:    | Soil Analytical Results – Metals and Cyanide                       |
| Table 6:    | Soil Analytical Results – General Chemistry and Radium             |
| Appendix A: | Laboratory Analytical Reports                                      |



FIGURES





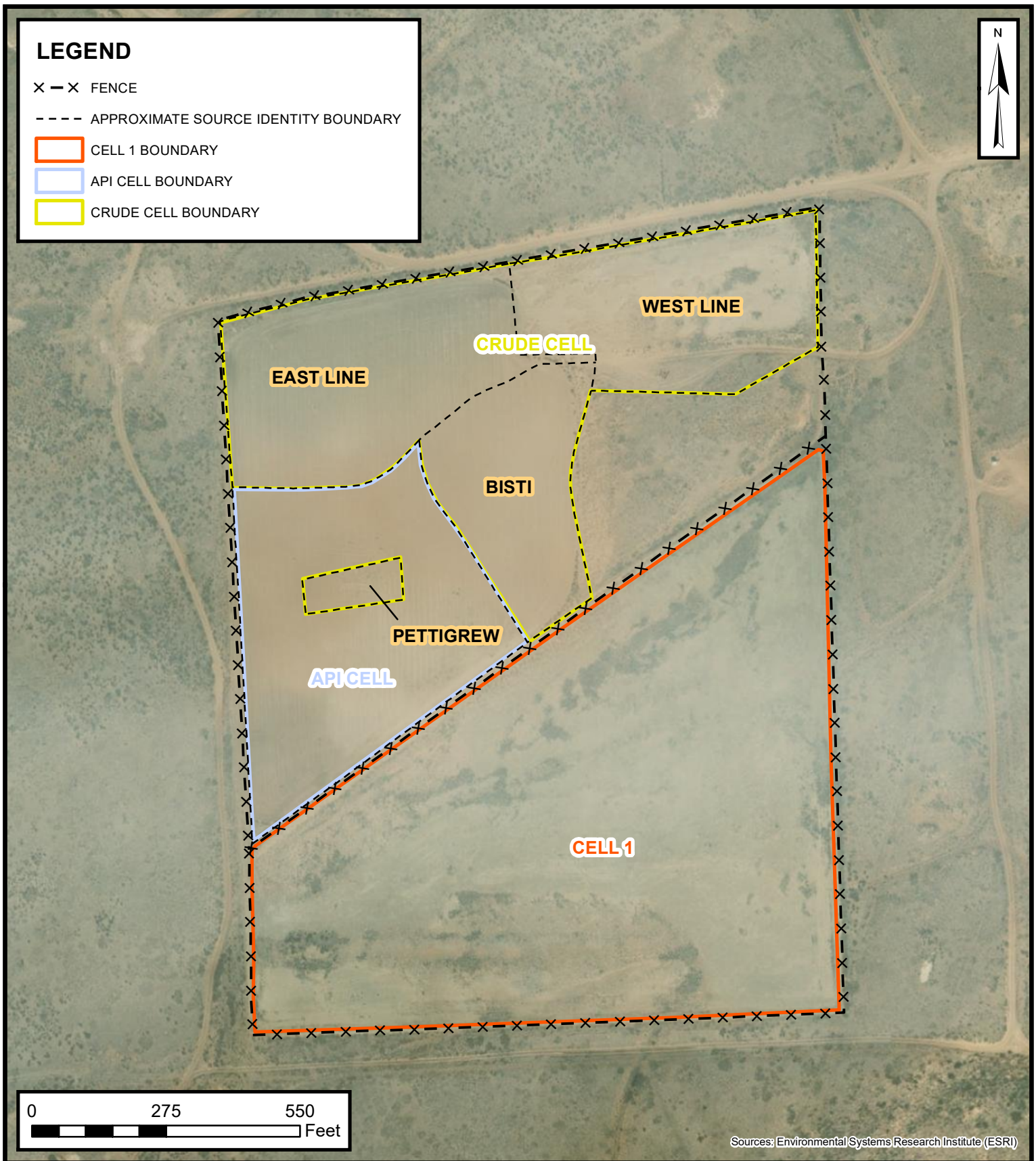
 **ENSOLUM**  
Environmental & Hydrogeologic Consultants

**Site Location Map**

BISTI LANDFARM  
SEC 16 T25N R12W  
SAN JUAN COUNTY, NM  
WESTERN REFINING SOUTHWEST, LLC

**FIGURE**  
**1**



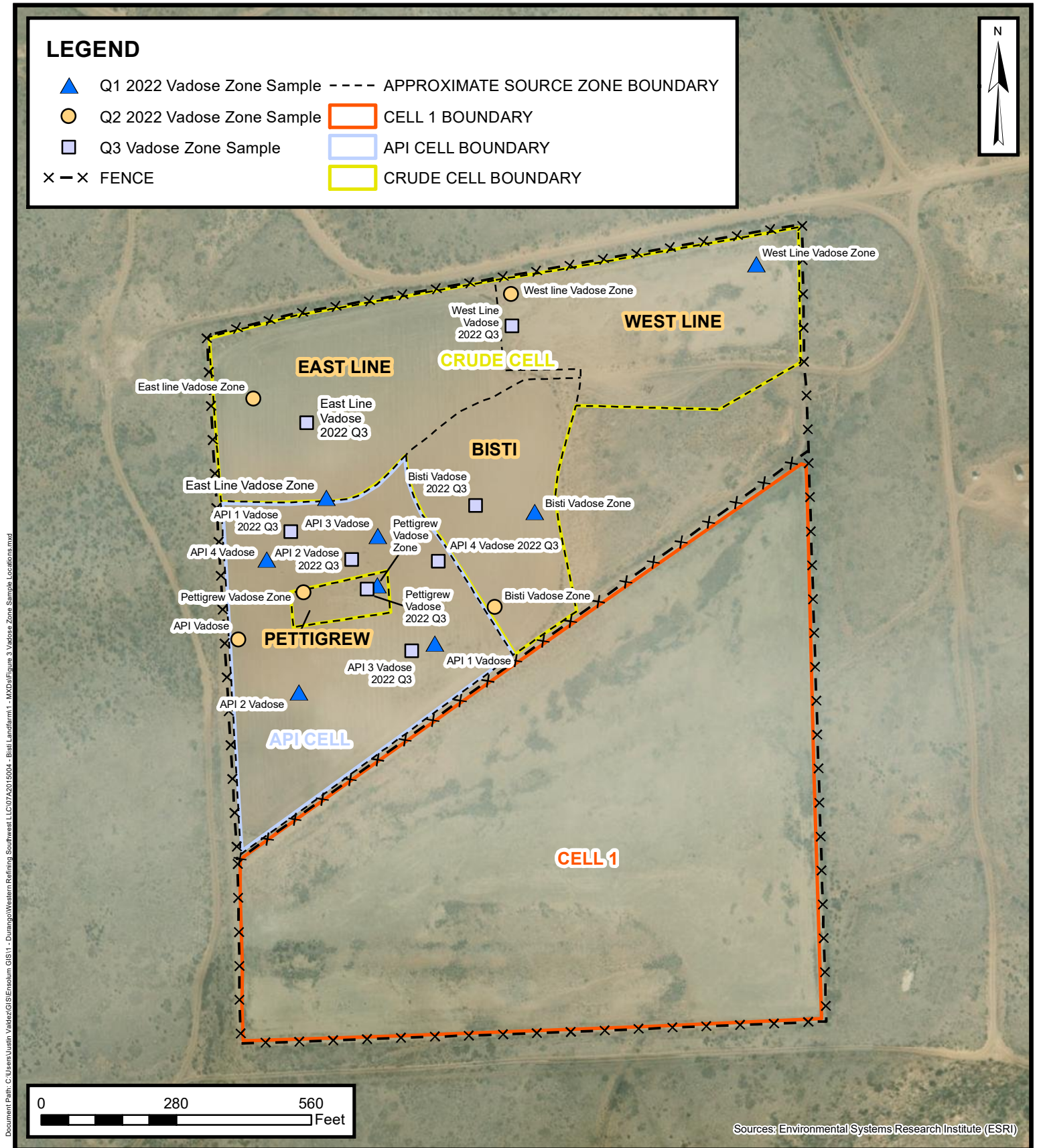


## Site Map

BISTI LANDFARM  
SEC 16 T25N R12W  
SAN JUAN COUNTY, NM  
WESTERN REFINING SOUTHWEST, LLC

**FIGURE**  
**2**

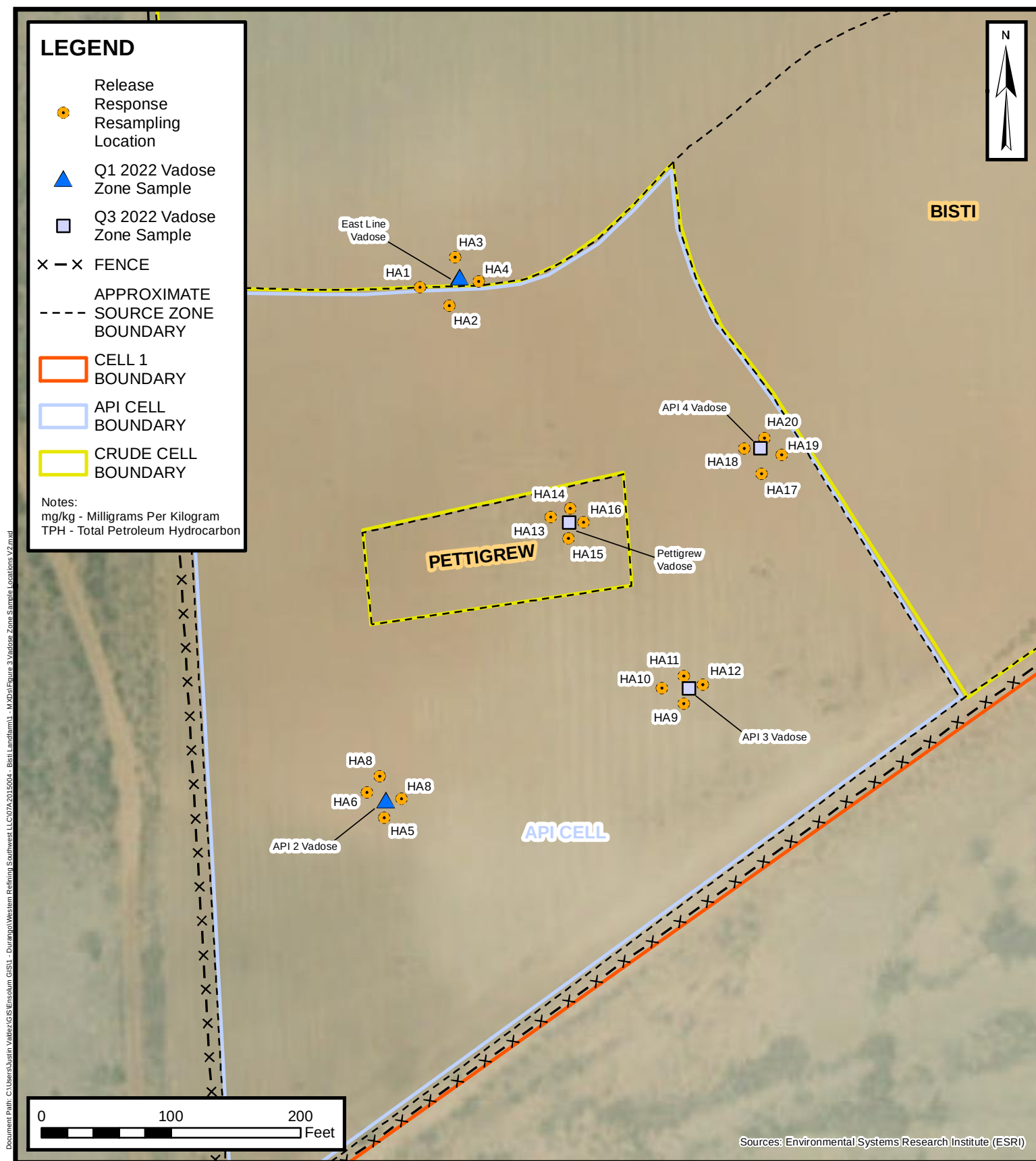




## Compliance Sample Locations

BISTI LANDFORM  
SEC 16 T25N R12W  
SAN JUAN COUNTY, NM  
WESTERN REFINING SOUTHWEST, INC

FIGURE  
**3**



## Vadose Zone Sample Locations

BISTI LANDFARM  
SEC 16 T25N R12W  
SAN JUAN COUNTY, NM  
WESTERN REFINING SOUTHWEST, LLC

FIGURE  
**4**



TABLES



| TABLE 1<br>2022 QUARTERLY AND SEMI-ANNUAL VADOSE ZONE SOIL ANALYTICAL RESULTS<br>Bisti Landfarm<br>Western Refining Southwest LLC<br>San Juan County, New Mexico |             |                         |                     |                    |                 |                 |                      |                       |                    |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|---------------------|--------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|------------------|
| Sample I.D.                                                                                                                                                      | Sample Date | Sample Depth (feet bgs) | TPH - 418.1 (mg/kg) | TPH - 8015 (mg/kg) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
| Background Sample Result or Laboratory Practical Quantitation Limit (March 27, 1998 and September 1, 2015)                                                       |             |                         | <50                 | <50                | <0.05           | <0.05           | <0.05                | <0.095                | <0.05              | <50              |
| West Line Vadose Zone                                                                                                                                            | 2/10/2022   | 3                       | <18                 | --                 | <0.025          | <0.050          | <0.050               | <0.099                | <0.099             | <7.5             |
| West Line Vadose Zone                                                                                                                                            | 6/20/2022   | 3                       | --                  | <49                | <0.024          | <0.048          | <0.048               | <0.017 MDL            | <0.048             | <59 MDL          |
| West Line Vadose Zone                                                                                                                                            | 9/22/2022   | 3                       | --                  | <41                | <0.024          | <0.049          | <0.049               | <0.018 MDL            | <0.049             | <3.0             |
| East Line Vadose Zone                                                                                                                                            | 2/10/2022   | 3                       | <19                 | --                 | <0.024          | <0.049          | <0.049               | <0.097                | <0.097             | <b>63</b>        |
| East Line Vadose Zone                                                                                                                                            | 6/20/2022   | 3                       | --                  | <47                | <0.025          | <0.049          | <0.049               | <0.018 MDL            | <0.049             | <61 MDL          |
| East Line Vadose Zone                                                                                                                                            | 9/22/2022   | 3                       | --                  | <45                | <0.025          | <0.050          | <0.050               | <0.018 MDL            | <0.050             | <3.0             |
| Bisti Vadose Zone                                                                                                                                                | 2/10/2022   | 3                       | <20                 | --                 | <0.024          | <0.048          | <0.048               | <0.096                | <0.096             | <7.5             |
| Bisti Vadose Zone                                                                                                                                                | 6/20/2022   | 3                       | --                  | <25                | <0.024          | <0.048          | <0.048               | <0.017 MDL            | <0.048             | <60 MDL          |
| Bisti Vadose Zone                                                                                                                                                | 9/22/2022   | 3                       | --                  | <45                | <0.024          | <0.049          | <0.049               | <0.018 MDL            | <0.050             | <3.0             |
| Pettigrew Vadose Zone                                                                                                                                            | 2/10/2022   | 3                       | <18                 | --                 | <0.024          | <0.048          | <0.048               | <0.096                | <0.096             | <7.5             |
| Pettigrew Vadose Zone                                                                                                                                            | 6/20/2022   | 3                       | --                  | <47                | <0.025          | <0.049          | <0.049               | <0.018 MDL            | <0.049             | <61 MDL          |
| Pettigrew Vadose Zone                                                                                                                                            | 9/22/2022   | 3                       | --                  | <49                | <0.025          | <0.050          | <0.050               | <0.018 MDL            | <0.050             | <b>120</b>       |
| API 1 Vadose                                                                                                                                                     | 2/10/2022   | 3                       | <19                 | --                 | <0.024          | <0.047          | <0.047               | <0.095                | <0.095             | 25               |
| API 2 Vadose                                                                                                                                                     | 2/10/2022   | 3                       | <19                 | --                 | <0.024          | <0.048          | <0.048               | <0.096                | <0.096             | <b>610</b>       |
| API 3 Vadose                                                                                                                                                     | 2/10/2022   | 3                       | <18                 | --                 | <0.023          | <0.047          | <0.047               | <0.093                | <0.093             | <15              |
| API 4 Vadose                                                                                                                                                     | 2/10/2022   | 3                       | <18                 | --                 | <0.024          | <0.048          | <0.048               | <0.095                | <0.095             | <15              |
| API Vadose                                                                                                                                                       | 6/20/2022   | 3                       | --                  | <47                | <0.025          | <0.050          | <0.050               | <0.018 MDL            | <0.050             | <60 MDL          |
| API 1 Vadose                                                                                                                                                     | 9/22/2022   | 3                       | --                  | <47                | <0.024          | <0.048          | <0.048               | 0.018 J               | 0.018 J            | <3.0             |
| API 2 Vadose                                                                                                                                                     | 9/22/2022   | 3                       | --                  | <48                | <0.024          | <0.049          | <0.049               | <0.018 MDL            | <0.049             | <3.0             |
| API 3 Vadose                                                                                                                                                     | 9/22/2022   | 3                       | --                  | <49                | <0.025          | <0.049          | <0.049               | <0.018 MDL            | <0.049             | <b>380</b>       |
| API 4 Vadose                                                                                                                                                     | 9/22/2022   | 3                       | --                  | <50                | <0.025          | <0.050          | <0.050               | <0.018 MDL            | <0.050             | <b>89</b>        |

**Notes:**  
bgs: below ground surface  
J: estimated concentrations, analyte detected below the method quantitation/reporting limit  
MDL: laboratory result reported to the method detection limit  
mg/kg: milligrams per kilogram  
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
TPH: Total Petroleum Hydrocarbon  
<0.037: indicates result less than the stated laboratory reporting limit (RL)  
**BOLD** indicates results exceed the higher of the background sample result or practical quantitation limit





**TABLE 2**  
**SOIL ANALYTICAL RESULTS - BTEX AND TPH**  
 Bisti Landfarm  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

| ANALYTICAL METHOD        |             | BTEX Compounds by EPA Method 8260B |         |              |                | Petroleum Hydrocarbons by EPA Method 8015M/D |                             |                                |       |
|--------------------------|-------------|------------------------------------|---------|--------------|----------------|----------------------------------------------|-----------------------------|--------------------------------|-------|
| ANALYTE                  |             | Benzene                            | Toluene | Ethylbenzene | Xylenes, Total | Gasoline Range Organics (GRO)                | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | TPH   |
| Sample ID                | Sample Date | mg/kg                              | mg/kg   | mg/kg        | mg/kg          | mg/kg                                        | mg/kg                       | mg/kg                          | mg/kg |
| <b>Background Sample</b> | 27-Mar-98   | <0.05                              | <0.05   | <0.05        | <0.05          | NA                                           | <50                         | NA                             | NA    |
| <b>Background Sample</b> | 1-Sep-15    | <0.05                              | <0.05   | <0.05        | <0.095         | <5.0                                         | <10                         | <50                            | <50   |
| HA01                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.050         | <5.0                                         | <15                         | <51                            | <51   |
| HA02                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <14                         | <47                            | <47   |
| HA03                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.099         | <5.0                                         | <13                         | <43                            | <43   |
| HA04                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <50                            | <50   |
| HA05                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.099         | <5.0                                         | <14                         | <47                            | <47   |
| HA06                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <49                            | <49   |
| HA07                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.099         | <5.0                                         | <15                         | <48                            | <48   |
| HA08                     | 11/11/2022  | <0.025                             | <0.049  | <0.049       | <0.099         | <4.9                                         | <14                         | <48                            | <48   |
| HA09                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <50                            | <50   |
| HA10                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.099         | <5.0                                         | <14                         | <47                            | <47   |
| HA11                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <14                         | <47                            | <47   |
| HA12                     | 11/11/2022  | <0.025                             | <0.049  | <0.049       | <0.099         | <4.9                                         | <15                         | <49                            | <49   |
| HA13                     | 11/11/2022  | <0.025                             | <0.049  | <0.049       | <0.098         | <4.9                                         | <14                         | <48                            | <48   |
| HA14                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <50                            | <50   |
| HA15                     | 11/11/2022  | <0.025                             | <0.049  | <0.049       | <0.098         | <4.9                                         | <15                         | <49                            | <49   |
| HA16                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <14                         | <46                            | <46   |
| HA17                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <49                            | <49   |
| HA18                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <49                            | <49   |
| HA19                     | 11/11/2022  | <0.025                             | <0.050  | <0.050       | <0.10          | <5.0                                         | <15                         | <49                            | <49   |
| HA20                     | 11/11/2022  | <0.025                             | <0.049  | <0.049       | <0.098         | <4.9                                         | <15                         | <49                            | <49   |

**Notes:**

EPA: Environmental Protection Agency

mg/kg: milligrams per kilogram

NA: not analyzed

TPH: total petroleum hydrocarbons

&lt;: indicates result is less than the stated laboratory method practical quantitation limit

Gray shading indicates the concentration to be used for treatment zone closure performance standard

**BOLD** indicates results exceed the higher of the background sample result or practical quantitation limit





TABLE 3  
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
Bisti Landfarm  
Western Refining Southwest LLC  
San Juan County, New Mexico

| ANALYTE           |             |         |         |              |                                |                          |                         |             |                     |                     |                      |                             |              |                                           |                                   |                               |               |                                      |                         |                     |
|-------------------|-------------|---------|---------|--------------|--------------------------------|--------------------------|-------------------------|-------------|---------------------|---------------------|----------------------|-----------------------------|--------------|-------------------------------------------|-----------------------------------|-------------------------------|---------------|--------------------------------------|-------------------------|---------------------|
|                   |             | benzene | toluene | ethylbenzene | methyl tert-butyl ether (MTBE) | 1,2-dichloroethane (EDC) | 1,2-dibromoethane (EDB) | naphthalene | 1-methylnaphthalene | 2-methylnaphthalene | bromodichloromethane | bromoform (tribromomethane) | bromomethane | carbon tetrachloride (tetrachloromethane) | chlorobenzene (monochlorobenzene) | chloroform (trichloromethane) | chloromethane | cis-1,2-dichloroethene (cis-1,2-DCE) | cis-1,3-dichloropropene | 1,2-dichlorobenzene |
| Sample ID         | Sample Date | 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                             | mg/kg                         | mg/kg         | mg/kg                                | mg/kg                   | mg/kg               |
| Background Sample | 27-Mar-98   | NA      | NA      | NA           | NA                             | NA                       | NA                      | NA          | NA                  | NA                  | NA                   | NA                          | NA           | NA                                        | NA                                | NA                            | NA            | NA                                   | NA                      | NA                  |
| Background Sample | 1-Sep-15    | <0.050  | <0.050  | <0.050       | <0.048                         | <0.048                   | <0.048                  | <0.095      | <0.19               | <0.19               | <0.048               | <0.048                      | <0.14        | <0.048                                    | <0.048                            | <0.048                        | <0.14         | <0.048                               | <0.048                  | <0.048              |
| HA01              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.099      | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.099              |
| HA02              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA03              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.099      | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA04              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA05              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.099      | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA06              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA07              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.099      | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA08              | 11/11/2022  | <0.025  | <0.049  | <0.049       | <0.049                         | <0.049                   | <0.049                  | <0.099      | <0.20               | <0.20               | <0.049               | <0.049                      | <0.15        | <0.049                                    | <0.049                            | <0.049                        | <0.15         | <0.049                               | <0.049                  | <0.049              |
| HA09              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA10              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.099      | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA11              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA12              | 11/11/2022  | <0.025  | <0.049  | <0.049       | <0.049                         | <0.049                   | <0.049                  | <0.099      | <0.20               | <0.20               | <0.049               | <0.049                      | <0.15        | <0.049                                    | <0.049                            | <0.049                        | <0.15         | <0.049                               | <0.049                  | <0.049              |
| HA13              | 11/11/2022  | <0.025  | <0.049  | <0.049       | <0.049                         | <0.049                   | <0.049                  | <0.098      | <0.20               | <0.20               | <0.049               | <0.049                      | <0.15        | <0.049                                    | <0.049                            | <0.049                        | <0.15         | <0.049                               | <0.049                  | <0.049              |
| HA14              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA15              | 11/11/2022  | <0.025  | <0.049  | <0.049       | <0.049                         | <0.049                   | <0.049                  | <0.098      | <0.20               | <0.20               | <0.049               | <0.049                      | <0.15        | <0.049                                    | <0.049                            | <0.049                        | <0.15         | <0.049                               | <0.049                  | <0.049              |
| HA16              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA17              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA18              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA19              | 11/11/2022  | <0.025  | <0.050  | <0.050       | <0.050                         | <0.050                   | <0.050                  | <0.10       | <0.20               | <0.20               | <0.050               | <0.050                      | <0.15        | <0.050                                    | <0.050                            | <0.050                        | <0.15         | <0.050                               | <0.050                  | <0.050              |
| HA20              | 11/11/2022  | <0.025  | <0.049  | <0.049       | <0.049                         | <0.049                   | <0.049                  | <0.098      | <0.20               | <0.20               | <0.049               | <0.049                      | <0.15        | <0.049                                    | <0.049                            | <0.049                        | <0.15         | <0.049                               | <0.049                  | <0.049              |

Notes:  
EPA: Environmental Protection Agency  
mg/kg: milligrams per kilogram  
NA: not analyzed  
TPH: total petroleum hydrocarbons  
<: indicates result is less than the stated laboratory method practical quantitation limit  
Gray shading indicates the concentration to be used for treatment zone closure performance standard  
**BOLD** indicates results exceed the higher of the background sample result or practical quantitation limit



TABLE 3  
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
Bisti Landfarm  
Western Refining Southwest LLC  
San Juan County, New Mexico

| ANALYTE           |             | 1,4-dichlorobenzene | dichlorodifluoromethane | 1,1-dichloroethane | 1,1-dichloroethene | 1,2-dichloropropane | 1,1-dichloropropene | hexachlorobutadiene | methylene chloride (dichloromethane) | styrene | 1,1,2,2-tetrachloroethane | tetrachloroethene (PCE) | trans-1,2-dichloroethene (trans-1,2-DCE) | trans-1,3-dichloropropene | 1,2,4-trichlorobenzene | 1,1,1-trichloroethane | 1,1,2-trichloroethane | trichloroethene (TCE) | trichlorofluoromethane | vinyl chloride (chloroethene) | xylene, total |
|-------------------|-------------|---------------------|-------------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------------------------|---------|---------------------------|-------------------------|------------------------------------------|---------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|-------------------------------|---------------|
| Sample ID         | Sample Date | 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                  | mg/kg                 | mg/kg                 | mg/kg                 | mg/kg                  | mg/kg                         | mg/kg         |
| Background Sample | 27-Mar-98   | NA                  | NA                      | NA                 | NA                 | NA                  | NA                  | NA                  | NA                                   | NA      | NA                        | NA                      | NA                                       | NA                        | NA                     | NA                    | NA                    | NA                    | NA                     | NA                            | NA            |
| Background Sample | 1-Sep-15    | <0.048              | <0.048                  | <0.048             | <0.048             | <0.048              | <0.095              | <0.095              | <0.14                                | <0.048  | <0.048                    | <0.048                  | <0.048                                   | <0.048                    | <0.048                 | <0.048                | <0.048                | <0.048                | <0.048                 | <0.048                        | <0.095        |
| HA01              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.099              | <0.099              | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.050        |
| HA02              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA03              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.099              | <0.099              | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.099        |
| HA04              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA05              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.099              | <0.099              | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.099        |
| HA06              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA07              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.099              | <0.099              | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.099        |
| HA08              | 11/11/2022  | <0.049              | <0.049                  | <0.049             | <0.049             | <0.049              | <0.099              | <0.099              | <0.15                                | <0.049  | <0.049                    | <0.049                  | <0.049                                   | <0.049                    | <0.049                 | <0.049                | <0.049                | <0.049                | <0.049                 | <0.049                        | <0.099        |
| HA09              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA10              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.099              | <0.099              | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.099        |
| HA11              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA12              | 11/11/2022  | <0.049              | <0.049                  | <0.049             | <0.049             | <0.049              | <0.099              | <0.099              | <0.15                                | <0.049  | <0.049                    | <0.049                  | <0.049                                   | <0.049                    | <0.049                 | <0.049                | <0.049                | <0.049                | <0.049                 | <0.049                        | <0.099        |
| HA13              | 11/11/2022  | <0.049              | <0.049                  | <0.049             | <0.049             | <0.049              | <0.098              | <0.098              | <0.15                                | <0.049  | <0.049                    | <0.049                  | <0.049                                   | <0.049                    | <0.049                 | <0.049                | <0.049                | <0.049                | <0.049                 | <0.049                        | <0.098        |
| HA14              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA15              | 11/11/2022  | <0.049              | <0.049                  | <0.049             | <0.049             | <0.049              | <0.098              | <0.098              | <0.15                                | <0.049  | <0.049                    | <0.049                  | <0.049                                   | <0.049                    | <0.049                 | <0.049                | <0.049                | <0.049                | <0.049                 | <0.049                        | <0.098        |
| HA16              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA17              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA18              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA19              | 11/11/2022  | <0.050              | <0.050                  | <0.050             | <0.050             | <0.050              | <0.10               | <0.10               | <0.15                                | <0.050  | <0.050                    | <0.050                  | <0.050                                   | <0.050                    | <0.050                 | <0.050                | <0.050                | <0.050                | <0.050                 | <0.050                        | <0.10         |
| HA20              | 11/11/2022  | <0.049              | <0.049                  | <0.049             | <0.049             | <0.049              | <0.098              | <0.098              | <0.15                                | <0.049  | <0.049                    | <0.049                  | <0.049                                   | <0.049                    | <0.049                 | <0.049                | <0.049                | <0.049                | <0.049                 | <0.049                        | <0.098        |

Notes:  
EPA: Environmental Protection Agency  
mg/kg: milligrams per kilogram  
NA: not analyzed  
TPH: total petroleum hydrocarbons  
<: indicates result is less than the stated laboratory method practical quantitation limit  
Gray shading indicates the concentration to be used for treatment zone closure performance standard  
**BOLD** indicates results exceed the higher of the background sample result or practical quantitation limit



TABLE 4  
SOIL ANALYTICAL RESULTS - PAH, PCB, AND PHENOL  
Bisti Landfarm  
Western Refining Southwest LLC  
San Juan County, New Mexico

| ANALYTICAL METHOD |             | Polycyclic Aromatic Hydrocarbons (PAH) by EPA Method 8270 |                     |                     |                | Polychlorinated Biphenyls (PCB) by EPA Method 8082 |              |              |              |              |              |              | Total Phenol by Method 9066 |
|-------------------|-------------|-----------------------------------------------------------|---------------------|---------------------|----------------|----------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------------|
| ANALYTE           |             | Naphthalene                                               | 1-Methylnaphthalene | 2-Methylnaphthalene | Benzo(a)pyrene | Aroclor 1016                                       | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Phenol                      |
| Sample ID         | Sample Date | mg/kg                                                     | mg/kg               | mg/kg               | mg/kg          | mg/kg                                              | mg/kg        | mg/kg        | mg/kg        | mg/kg        | mg/kg        | mg/kg        | mg/kg                       |
| Background Sample | 27-Mar-98   | NA                                                        | NA                  | NA                  | NA             | NA                                                 | NA           | NA           | NA           | NA           | NA           | NA           | NA                          |
| Background Sample | 1-Sep-15    | <0.25                                                     | <0.25               | <0.25               | <0.0099        | <0.020                                             | <0.020       | <0.020       | <0.020       | <0.020       | <0.020       | <0.020       | <0.67                       |
| HA01              | 11/11/2022  | <0.0096                                                   | <0.0096             | <0.0096             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA02              | 11/11/2022  | <0.0099                                                   | <0.0099             | <0.0099             | <0.020         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA03              | 11/11/2022  | <0.0095                                                   | <0.0095             | <0.0095             | <0.019         | <0.017                                             | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.67                       |
| HA04              | 11/11/2022  | <0.0095                                                   | <0.0095             | <0.0095             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA05              | 11/11/2022  | <0.0098                                                   | <0.0098             | <0.0098             | <0.20          | <0.017                                             | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.67                       |
| HA06              | 11/11/2022  | <0.0099                                                   | <0.0099             | <0.0099             | <0.020         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA07              | 11/11/2022  | <0.0094                                                   | <0.0094             | <0.0094             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA08              | 11/11/2022  | <0.0090                                                   | <0.0090             | <0.0090             | <0.018         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA09              | 11/11/2022  | <0.0094                                                   | <0.0094             | <0.0094             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA10              | 11/11/2022  | <0.0099                                                   | <0.0099             | <0.0099             | <0.020         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA11              | 11/11/2022  | <0.010                                                    | <0.010              | <0.010              | <0.020         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA12              | 11/11/2022  | <0.0098                                                   | <0.0098             | <0.0098             | <0.020         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA13              | 11/11/2022  | <0.0097                                                   | <0.0097             | <0.0097             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA14              | 11/11/2022  | <0.0099                                                   | <0.0099             | <0.0099             | <0.020         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA15              | 11/11/2022  | <0.0095                                                   | <0.0095             | <0.0095             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | 2.82 B                      |
| HA16              | 11/11/2022  | <0.0089                                                   | <0.0089             | <0.0089             | <0.018         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA17              | 11/11/2022  | <0.0096                                                   | <0.0096             | <0.0096             | <0.019         | <0.017                                             | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.67                       |
| HA18              | 11/11/2022  | <0.0097                                                   | <0.0097             | <0.0097             | <0.019         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA19              | 11/11/2022  | <0.0091                                                   | <0.0091             | <0.0091             | <0.018         | <0.016                                             | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.016       | <0.67                       |
| HA20              | 11/11/2022  | <0.0096                                                   | <0.0096             | <0.0096             | <0.019         | <0.017                                             | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.017       | <0.67                       |

Notes:  
B: the same analyte is found in the associated method blank  
EPA: Environmental Protection Agency  
mg/kg: milligrams per kilogram  
NA: not analyzed  
TPH: total petroleum hydrocarbons  
<: indicates result is less than the stated laboratory method practical quantitation limit  
Gray shading indicates the concentration to be used for treatment zone closure performance standard  
BOLD indicates results exceed the higher of the background sample result or practical quantitation limit





TABLE 5  
SOIL ANALYTICAL RESULTS - METALS AND CYANIDE  
Bisti Landfarm  
Western Refining Southwest LLC  
San Juan County, New Mexico

| ANALYTE           |             | Arsenic | Barium | Cadmium | Calcium | Chromium | Copper | Iron   | Lead  | Magnesium | Manganese | Mercury | Potassium | Selenium | Silver | Uranium | Zinc  | Cyanide by Method 9012B |
|-------------------|-------------|---------|--------|---------|---------|----------|--------|--------|-------|-----------|-----------|---------|-----------|----------|--------|---------|-------|-------------------------|
| Sample ID         | Sample Date | 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  | mg/kg   | mg/kg | mg/kg                   |
| Background Sample | 27-Mar-98   | 2.8     | 180    | <1.3    | 2,500   | <5.0     | NA     | NA     | 6.8   | 1,300     | NA        | <0.5    | 810       | <2.5     | <1.3   | NA      | NA    | NA                      |
| Background Sample | 1-Sep-15    | NA      | NA     | NA      | NA      | NA       | 3.2    | 7,200  | NA    | NA        | 150       | NA      | NA        | NA       | NA     | <4.9    | 14    | <0.25                   |
| HA01              | 11/11/2022  | 2.1     | 44     | <0.20   | 2,700   | 2.3      | <4.0 D | 5,700  | <2.0  | 1,100     | 110       | <0.033  | 860       | <4.9     | <0.99  | <0.49   | 10    | <0.25                   |
| HA02              | 11/11/2022  | 1.8     | 73     | <0.20   | 1,700   | 2.6      | <4.0 D | 5,800  | 2.3   | 1,100     | 110       | <0.033  | 950       | <5.0     | <0.99  | <0.50   | 11    | <0.25                   |
| HA03              | 11/11/2022  | 2.1     | 58     | <0.20   | 1,900   | 2.1      | <3.9 D | 6,000  | 3.1   | 1,000     | 120       | <0.033  | 750       | <4.9     | <0.99  | <0.49   | 9.7   | <0.25                   |
| HA04              | 11/11/2022  | 2.2     | 400    | <0.20   | 4,100   | 2.1      | <4.0 D | 5,200  | 3.1   | 970       | 110       | <0.033  | 800       | <5.0     | <0.99  | <0.50   | 9.3   | <0.25                   |
| HA05              | 11/11/2022  | 2.0     | 73     | <0.20   | 3,800   | 2.2      | <4.0 D | 5,100  | 2.9   | 1,000     | 110       | <0.032  | 700       | <5.0     | <0.99  | <0.50   | 10    | <0.25                   |
| HA06              | 11/11/2022  | 2.0     | 37     | <0.20   | 2,500   | 2.2      | <4.0 D | 5,300  | 2.4   | 1,000     | 110       | <0.033  | 690       | <5.0     | <1.0   | <0.50   | 9.5   | <0.25                   |
| HA07              | 11/11/2022  | 2.1     | 120    | <0.20   | 2,800   | 2.7      | <4.0 D | 5,700  | 2.7   | 1,100     | 120       | <0.033  | 890       | <4.9     | <0.99  | <0.49   | 12    | <0.25                   |
| HA08              | 11/11/2022  | 2.1     | 50     | <0.20   | 1,500   | 2.2      | <3.9 D | 5,300  | 2.3   | 1,000     | 120       | <0.032  | 720       | <4.9     | <0.98  | <0.49   | 9.7   | <0.25                   |
| HA09              | 11/11/2022  | 2.8     | 120    | <0.20   | 3,000   | 3.4      | <3.9 D | 7,700  | 2.6   | 1,400     | 160       | <0.033  | 1,200     | <4.9     | <0.98  | <0.49   | 13    | <0.25                   |
| HA10              | 11/11/2022  | 2.4     | 140    | <0.20   | 4,200   | 3.2      | <3.9 D | 7,000  | 2.5   | 1,300     | 150       | <0.033  | 1,100     | <4.9     | <0.99  | <0.49   | 13    | <0.25                   |
| HA11              | 11/11/2022  | 2.0     | 190    | <0.20   | 5,300   | 2.5      | <4.0 D | 6,000  | 2.8   | 1,000     | 110       | <0.032  | 890       | <5.0     | <1.0   | <0.50   | 10    | <0.25                   |
| HA12              | 11/11/2022  | 2.2     | 120    | <0.20   | 3,700   | 3.1      | <3.9 D | 6,200  | <2.0  | 1,100     | 110       | <0.033  | 950       | <4.9     | <0.99  | <0.49   | 11    | <0.25                   |
| HA13              | 11/11/2022  | 1.7     | 87     | <0.20   | 3,700   | 1.5      | <3.9 D | 4,400  | 2.9   | 800       | 130       | <0.032  | 550       | <4.9     | <0.99  | <0.49   | 9.6   | <0.25                   |
| HA14              | 11/11/2022  | 3.3     | 100    | <0.20   | 9,700   | 5.1      | 4.4    | 9,600  | 2.6   | 2,100     | 170       | <0.033  | 1,500     | <5.0     | <0.99  | <0.50   | 18    | <0.25                   |
| HA15              | 11/11/2022  | 2.3     | 200    | <0.20   | 5,000   | 2.4      | <4.0 D | 5,900  | 2.1   | 1,000     | 120       | <0.032  | 750       | <4.9     | <0.99  | <0.49   | 11    | <0.25                   |
| HA16              | 11/11/2022  | 2.4     | 110    | <0.20   | 4,900   | 2.3      | <4.0 D | 5,800  | 2.0   | 1,100     | 110       | <0.033  | 730       | <5.0     | <1.0   | <0.50   | 10    | <0.25                   |
| HA17              | 11/11/2022  | 3.1     | 99     | <0.20   | 8,500   | 5.3      | 4.9    | 10,000 | 4.1   | 2,400     | 190       | <0.033  | 1,600     | <5.0     | <0.99  | <0.50   | 19    | <0.25                   |
| HA18              | 11/11/2022  | 2.6     | 200    | <0.20   | 8,000   | 3.4      | <4.0 D | 6,900  | 2.9   | 1,500     | 120       | <0.033  | 1,100     | <5.0     | <1.0   | <0.50   | 13    | <0.25                   |
| HA19              | 11/11/2022  | 2.8     | 70     | <0.20   | 6,700   | 4.5      | 4.1    | 8,500  | 2.6   | 1,900     | 160       | <0.033  | 1,300     | <5.0     | <0.99  | <0.50   | 16    | <0.25                   |
| HA20              | 11/11/2022  | 2.7     | 81     | <0.20   | 13,000  | 4.1      | <4.0 D | 8,000  | 2.9   | 1,800     | 150       | <0.033  | 1,200     | <4.9     | <0.99  | <0.49   | 15    | <0.25                   |

Notes:

D: sample required dilation, elevation the associated reporting limit during analysis

EPA: Environmental Protection Agency

mg/kg: milligrams per kilogram

NA: not analyzed

TPH: total petroleum hydrocarbons

<: indicates result is less than the stated laboratory method practical quantitation limit

Gray shading indicates the concentration to be used for treatment zone closure performance standard

**BOLD** indicates results exceed the higher of the background sample result or practical quantitation limit



**TABLE 6**  
**SOIL ANALYTICAL RESULTS - GENERAL CHEMISTRY AND RADIUM**  
 Bisti Landfarm  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

| ANALYTICAL METHOD |             | Anions by EPA Method 300.0 |          |                          |         | pH by Method SM4500-H+B | General Chemistry |           |        | Radiochemistry by EPA Method 901.1 |                 |
|-------------------|-------------|----------------------------|----------|--------------------------|---------|-------------------------|-------------------|-----------|--------|------------------------------------|-----------------|
| ANALYTE           |             | Chloride                   | Fluoride | Nitrogen, Nitrate (As N) | Sulfate | pH                      | Bicarbonate       | Carbonate | Sodium | Radium-226                         | Radium-228      |
| Sample ID         | Sample Date | mg/kg                      | mg/kg    | mg/kg                    | mg/kg   | pH units                | mg/kg             | mg/kg     | mg/kg  | pCi/g                              | pCi/g           |
| Background Sample | 27-Mar-98   | <50                        | NA       | NA                       | 140     | NA                      | 110               | 26        | 90     | NA                                 | NA              |
| Background Sample | 1-Sep-15    | NA                         | 0.84     | <0.30                    | NA      | 7.89                    | NA                | NA        | NA     | 0.737 +/- 0.242                    | 0.806 +/- 0.338 |
| HA01              | 11/11/2022  | 55                         | 2.0      | 17                       | 140     | 8.35                    | NA (1)            | NA (1)    | 190    | Pending Results                    |                 |
| HA02              | 11/11/2022  | 14                         | 3.1      | 6.0                      | 150     | 8.64                    | NA (1)            | NA (1)    | 210    | Pending Results                    |                 |
| HA03              | 11/11/2022  | 100                        | 1.5      | 18                       | 89      | 8.29                    | NA (1)            | NA (1)    | 160    | Pending Results                    |                 |
| HA04              | 11/11/2022  | 82                         | 1.6      | 20                       | 170     | 8.47                    | NA (1)            | NA (1)    | 210    | Pending Results                    |                 |
| HA05              | 11/11/2022  | 130                        | 0.65     | 11                       | 470     | 8.66                    | NA (1)            | NA (1)    | 520    | Pending Results                    |                 |
| HA06              | 11/11/2022  | 32                         | 1.2      | 5.4                      | 150     | 8.73                    | NA (1)            | NA (1)    | 180    | Pending Results                    |                 |
| HA07              | 11/11/2022  | 130                        | 1.3      | 27                       | 490     | 8.82                    | NA (1)            | NA (1)    | 730    | Pending Results                    |                 |
| HA08              | 11/11/2022  | 120                        | 1.7      | 11                       | 180     | 8.41                    | NA (1)            | NA (1)    | 310    | Pending Results                    |                 |
| HA09              | 11/11/2022  | 940                        | 1.5      | 31                       | 1,700   | 9.03                    | NA (1)            | NA (1)    | 2,600  | Pending Results                    |                 |
| HA10              | 11/11/2022  | 400                        | 1.5      | 31                       | 1,100   | 9.60                    | NA (1)            | NA (1)    | 2,000  | Pending Results                    |                 |
| HA11              | 11/11/2022  | 290                        | 1.4      | 25                       | 1,400   | 9.39                    | NA (1)            | NA (1)    | 1,800  | Pending Results                    |                 |
| HA12              | 11/11/2022  | 520                        | 1.4      | 25                       | 1,600   | 9.22                    | NA (1)            | NA (1)    | 2,200  | Pending Results                    |                 |
| HA13              | 11/11/2022  | 88                         | 1.6      | 20                       | 210     | 8.81                    | NA (1)            | NA (1)    | 470    | Pending Results                    |                 |
| HA14              | 11/11/2022  | 160                        | 1.7      | 34                       | 380     | 8.12                    | NA (1)            | NA (1)    | 440    | Pending Results                    |                 |
| HA15              | 11/11/2022  | 14                         | 1.2      | 12                       | 310     | 8.66                    | NA (1)            | NA (1)    | 330    | Pending Results                    |                 |
| HA16              | 11/11/2022  | 34                         | 1.1      | 13                       | 130     | 8.71                    | NA (1)            | NA (1)    | 250    | Pending Results                    |                 |
| HA17              | 11/11/2022  | 40                         | 2.6      | 33                       | 280     | 8.50                    | NA (1)            | NA (1)    | 630    | Pending Results                    |                 |
| HA18              | 11/11/2022  | 140                        | 1.5      | 24                       | 230     | 8.31                    | NA (1)            | NA (1)    | 420    | Pending Results                    |                 |
| HA19              | 11/11/2022  | 31                         | 2.2      | 19                       | 450     | 8.56                    | NA (1)            | NA (1)    | 650    | Pending Results                    |                 |
| HA20              | 11/11/2022  | 12                         | 2.1      | 20                       | 260     | 8.77                    | NA (1)            | NA (1)    | 490    | Pending Results                    |                 |

**Notes:**

EPA: Environmental Protection Agency

mg/kg: milligrams per kilogram

pCi/g: pico-Curies per gram

NA: not analyzed

NA (1): not analyzed due to insufficient sample volumes for analysis

&lt;: indicates result is less than the stated laboratory method practical quantitation limit

Gray shading indicates the concentration to be used for treatment zone closure performance standard

**BOLD** indicates results exceed the higher of the background sample result or practical quantitation limit



## APPENDIX A

### Laboratory Analytical Reports



## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA1

Project: Bisti LF

Collection Date: 11/11/2022 11:10:00 AM

Lab ID: 2211751-001

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0096   |      | mg/Kg | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0096   |      | mg/Kg | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0096   |      | mg/Kg | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 79.5   | 15-137   |      | %Rec  | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 81.5   | 15-121   |      | %Rec  | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 105    | 65.7-126 |      | %Rec  | 1  | 12/2/2022 2:57:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 2.0    | 0.30     |      | mg/Kg | 1  | 11/22/2022 8:01:19 PM  | 71660               |
| Chloride                              | 55     | 1.5      |      | mg/Kg | 1  | 11/22/2022 8:01:19 PM  | 71660               |
| Nitrogen, Nitrate (As N)              | 17     | 0.30     |      | mg/Kg | 1  | 11/22/2022 8:01:19 PM  | 71660               |
| Sulfate                               | 140    | 30       |      | mg/Kg | 20 | 11/23/2022 9:44:51 AM  | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.1    | 0.49     |      | mg/Kg | 5  | 11/20/2022 12:58:46 PM | 71582               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 1:17:06 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:15:50 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 44     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Calcium                               | 2700   | 99       |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Chromium                              | 2.3    | 0.59     |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Iron                                  | 5700   | 490      |      | mg/Kg | 50 | 12/2/2022 10:06:09 AM  | 71582               |
| Lead                                  | ND     | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Magnesium                             | 1100   | 99       |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Potassium                             | 860    | 99       |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 12:49:39 PM | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 12:49:39 PM | 71582               |
| Sodium                                | 190    | 99       |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| Zinc                                  | 10     | 4.9      |      | mg/Kg | 2  | 11/22/2022 10:33:32 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA1

Project: Bisti LF

Collection Date: 11/11/2022 11:10:00 AM

Lab ID: 2211751-001

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 3:42:16 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 89.2   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 3:42:16 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 89.2   | 15-110   |      | %Rec  | 1  | 11/29/2022 3:42:16 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/21/2022 4:25:23 PM | 71614               |
| Motor Oil Range Organics (MRO)                   | ND     | 51       |      | mg/Kg | 1  | 11/21/2022 4:25:23 PM | 71614               |
| Surr: DNOP                                       | 111    | 21-129   |      | %Rec  | 1  | 11/21/2022 4:25:23 PM | 71614               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 7:32:00 PM | 71585               |
| Surr: BFB                                        | 118    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 7:32:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA1

Project: Bisti LF

Collection Date: 11/11/2022 11:10:00 AM

Lab ID: 2211751-001

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 1:50:06 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA1

Project: Bisti LF

Collection Date: 11/11/2022 11:10:00 AM

Lab ID: 2211751-001

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.050  |      | mg/Kg    | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Surr: Dibromofluoromethane         | 114    | 70-130 |      | %Rec     | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 101    | 70-130 |      | %Rec     | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Surr: Toluene-d8                   | 112    | 70-130 |      | %Rec     | 1  | 11/18/2022 1:50:06 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 97.1   | 70-130 |      | %Rec     | 1  | 11/18/2022 1:50:06 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.35   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA2

Project: Bisti LF

Collection Date: 11/11/2022 11:15:00 AM

Lab ID: 2211751-002

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0099   |      | mg/Kg | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 93.5   | 15-137   |      | %Rec  | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 93.0   | 15-121   |      | %Rec  | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 116    | 65.7-126 |      | %Rec  | 1  | 12/2/2022 3:43:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 3.1    | 0.30     |      | mg/Kg | 1  | 11/22/2022 8:38:21 PM  | 71660               |
| Chloride                              | 14     | 1.5      |      | mg/Kg | 1  | 11/22/2022 8:38:21 PM  | 71660               |
| Nitrogen, Nitrate (As N)              | 6.0    | 0.30     |      | mg/Kg | 1  | 11/22/2022 8:38:21 PM  | 71660               |
| Sulfate                               | 150    | 1.5      |      | mg/Kg | 1  | 11/22/2022 8:38:21 PM  | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 1.8    | 0.50     |      | mg/Kg | 5  | 11/20/2022 1:02:55 PM  | 71582               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 1:29:35 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:17:59 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 73     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Calcium                               | 1700   | 99       |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Chromium                              | 2.6    | 0.60     |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Iron                                  | 5800   | 500      |      | mg/Kg | 50 | 12/2/2022 10:07:36 AM  | 71582               |
| Lead                                  | 2.3    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Magnesium                             | 1100   | 99       |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Potassium                             | 950    | 99       |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 12:50:55 PM | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 12:50:55 PM | 71582               |
| Sodium                                | 210    | 99       |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| Zinc                                  | 11     | 5.0      |      | mg/Kg | 2  | 11/22/2022 10:43:45 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA2

Project: Bisti LF

Collection Date: 11/11/2022 11:15:00 AM

Lab ID: 2211751-002

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 4:19:26 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 88.0   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 4:19:26 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 87.6   | 15-110   |      | %Rec  | 1  | 11/29/2022 4:19:26 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/21/2022 4:36:10 PM | 71614               |
| Motor Oil Range Organics (MRO)                   | ND     | 47       |      | mg/Kg | 1  | 11/21/2022 4:36:10 PM | 71614               |
| Surr: DNOP                                       | 111    | 21-129   |      | %Rec  | 1  | 11/21/2022 4:36:10 PM | 71614               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 8:11:00 PM | 71585               |
| Surr: BFB                                        | 117    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 8:11:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA2

Project: Bisti LF

Collection Date: 11/11/2022 11:15:00 AM

Lab ID: 2211751-002

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 2:44:35 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA2

Project: Bisti LF

Collection Date: 11/11/2022 11:15:00 AM

Lab ID: 2211751-002

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Surr: Dibromofluoromethane         | 109    | 70-130 |      | %Rec     | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 97.7   | 70-130 |      | %Rec     | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Surr: Toluene-d8                   | 111    | 70-130 |      | %Rec     | 1  | 11/18/2022 2:44:35 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 94.6   | 70-130 |      | %Rec     | 1  | 11/18/2022 2:44:35 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.64   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA3

Project: Bisti LF

Collection Date: 11/11/2022 11:17:00 AM

Lab ID: 2211751-003

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0095   |      | mg/Kg | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0095   |      | mg/Kg | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0095   |      | mg/Kg | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 81.5   | 15-137   |      | %Rec  | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 80.5   | 15-121   |      | %Rec  | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 102    | 65.7-126 |      | %Rec  | 1  | 12/2/2022 4:28:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.5    | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:15:23 PM  | 71660               |
| Chloride                              | 100    | 30       |      | mg/Kg | 20 | 11/23/2022 9:57:16 AM  | 71660               |
| Nitrogen, Nitrate (As N)              | 18     | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:15:23 PM  | 71660               |
| Sulfate                               | 89     | 1.5      |      | mg/Kg | 1  | 11/22/2022 9:15:23 PM  | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.1    | 0.49     |      | mg/Kg | 5  | 11/20/2022 1:15:22 PM  | 71582               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 1:33:44 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:20:09 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 58     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Calcium                               | 1900   | 99       |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Chromium                              | 2.1    | 0.59     |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Copper                                | ND     | 3.9      |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Iron                                  | 6000   | 490      |      | mg/Kg | 50 | 12/2/2022 10:09:04 AM  | 71582               |
| Lead                                  | 3.1    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Magnesium                             | 1000   | 99       |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Manganese                             | 120    | 0.39     |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Potassium                             | 750    | 99       |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 12:52:10 PM | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 12:52:10 PM | 71582               |
| Sodium                                | 160    | 99       |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| Zinc                                  | 9.7    | 4.9      |      | mg/Kg | 2  | 11/22/2022 10:45:39 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA3

Project: Bisti LF

Collection Date: 11/11/2022 11:17:00 AM

Lab ID: 2211751-003

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 4:56:34 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 82.0   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 4:56:34 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 86.4   | 15-110   |      | %Rec  | 1  | 11/29/2022 4:56:34 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 13       |      | mg/Kg | 1  | 11/21/2022 4:46:53 PM | 71614               |
| Motor Oil Range Organics (MRO)                   | ND     | 43       |      | mg/Kg | 1  | 11/21/2022 4:46:53 PM | 71614               |
| Surr: DNOP                                       | 110    | 21-129   |      | %Rec  | 1  | 11/21/2022 4:46:53 PM | 71614               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 8:31:00 PM | 71585               |
| Surr: BFB                                        | 118    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 8:31:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA3

Project: Bisti LF

Collection Date: 11/11/2022 11:17:00 AM

Lab ID: 2211751-003

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:11:51 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA3

Project: Bisti LF

Collection Date: 11/11/2022 11:17:00 AM

Lab ID: 2211751-003

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.099  |      | mg/Kg    | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Surr: Dibromofluoromethane         | 120    | 70-130 |      | %Rec     | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 107    | 70-130 |      | %Rec     | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Surr: Toluene-d8                   | 112    | 70-130 |      | %Rec     | 1  | 11/18/2022 3:11:51 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 97.0   | 70-130 |      | %Rec     | 1  | 11/18/2022 3:11:51 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.29   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA4

Project: Bisti LF

Collection Date: 11/11/2022 11:20:00 AM

Lab ID: 2211751-004

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0095   |      | mg/Kg | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0095   |      | mg/Kg | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0095   |      | mg/Kg | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 73.5   | 15-137   |      | %Rec  | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 71.0   | 15-121   |      | %Rec  | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 93.0   | 65.7-126 |      | %Rec  | 1  | 12/2/2022 5:14:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.6    | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:27:44 PM  | 71660               |
| Chloride                              | 82     | 30       |      | mg/Kg | 20 | 11/23/2022 10:09:40 AM | 71660               |
| Nitrogen, Nitrate (As N)              | 20     | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:27:44 PM  | 71660               |
| Sulfate                               | 170    | 30       |      | mg/Kg | 20 | 11/23/2022 10:09:40 AM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.2    | 0.50     |      | mg/Kg | 5  | 11/20/2022 1:19:32 PM  | 71582               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 1:37:52 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:26:34 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 400    | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Calcium                               | 4100   | 99       |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Chromium                              | 2.1    | 0.60     |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Iron                                  | 5200   | 500      |      | mg/Kg | 50 | 12/2/2022 10:10:32 AM  | 71582               |
| Lead                                  | 3.1    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Magnesium                             | 970    | 99       |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Potassium                             | 800    | 99       |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 12:53:25 PM | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 12:53:25 PM | 71582               |
| Sodium                                | 210    | 99       |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| Zinc                                  | 9.3    | 5.0      |      | mg/Kg | 2  | 11/22/2022 10:47:31 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA4

Project: Bisti LF

Collection Date: 11/11/2022 11:20:00 AM

Lab ID: 2211751-004

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 5:33:40 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 88.4   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 5:33:40 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 91.2   | 15-110   |      | %Rec  | 1  | 11/29/2022 5:33:40 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/21/2022 4:57:38 PM | 71614               |
| Motor Oil Range Organics (MRO)                   | ND     | 50       |      | mg/Kg | 1  | 11/21/2022 4:57:38 PM | 71614               |
| Surr: DNOP                                       | 110    | 21-129   |      | %Rec  | 1  | 11/21/2022 4:57:38 PM | 71614               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 8:51:00 PM | 71585               |
| Surr: BFB                                        | 121    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 8:51:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA4

Project: Bisti LF

Collection Date: 11/11/2022 11:20:00 AM

Lab ID: 2211751-004

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 3:39:11 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA4

Project: Bisti LF

Collection Date: 11/11/2022 11:20:00 AM

Lab ID: 2211751-004

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Surr: Dibromofluoromethane  | 119    | 70-130 |      | %Rec     | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 111    | 70-130 |      | %Rec     | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Surr: Toluene-d8            | 103    | 70-130 |      | %Rec     | 1  | 11/18/2022 3:39:11 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 92.1   | 70-130 |      | %Rec     | 1  | 11/18/2022 3:39:11 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.47   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA5

Project: Bisti LF

Collection Date: 11/11/2022 11:30:00 AM

Lab ID: 2211751-005

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0098   |      | mg/Kg | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0098   |      | mg/Kg | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0098   |      | mg/Kg | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 71.0   | 15-137   |      | %Rec  | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 68.5   | 15-121   |      | %Rec  | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 95.0   | 65.7-126 |      | %Rec  | 1  | 12/2/2022 5:59:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 0.65   | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:40:04 PM  | 71660               |
| Chloride                              | 130    | 30       |      | mg/Kg | 20 | 11/23/2022 10:22:04 AM | 71660               |
| Nitrogen, Nitrate (As N)              | 11     | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:40:04 PM  | 71660               |
| Sulfate                               | 470    | 30       |      | mg/Kg | 20 | 11/23/2022 10:22:04 AM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.0    | 0.50     |      | mg/Kg | 5  | 11/20/2022 1:23:41 PM  | 71582               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 1:42:01 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.032    |      | mg/Kg | 1  | 11/30/2022 4:28:43 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 73     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Calcium                               | 3800   | 99       |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Chromium                              | 2.2    | 0.60     |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Iron                                  | 5100   | 500      |      | mg/Kg | 50 | 12/2/2022 10:12:00 AM  | 71582               |
| Lead                                  | 2.9    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Magnesium                             | 1000   | 99       |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Potassium                             | 700    | 99       |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 12:58:37 PM | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 12:58:37 PM | 71582               |
| Sodium                                | 520    | 99       |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| Zinc                                  | 10     | 5.0      |      | mg/Kg | 2  | 11/22/2022 10:49:22 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA5

Project: Bisti LF

Collection Date: 11/11/2022 11:30:00 AM

Lab ID: 2211751-005

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/29/2022 6:10:53 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 86.4   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 6:10:53 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 85.2   | 15-110   |      | %Rec  | 1  | 11/29/2022 6:10:53 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/21/2022 5:08:20 PM | 71614               |
| Motor Oil Range Organics (MRO)                   | ND     | 47       |      | mg/Kg | 1  | 11/21/2022 5:08:20 PM | 71614               |
| Surr: DNOP                                       | 107    | 21-129   |      | %Rec  | 1  | 11/21/2022 5:08:20 PM | 71614               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 9:10:00 PM | 71585               |
| Surr: BFB                                        | 127    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 9:10:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA5

Project: Bisti LF

Collection Date: 11/11/2022 11:30:00 AM

Lab ID: 2211751-005

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:06:25 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA5

Project: Bisti LF

Collection Date: 11/11/2022 11:30:00 AM

Lab ID: 2211751-005

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.099  |      | mg/Kg    | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Surr: Dibromofluoromethane         | 116    | 70-130 |      | %Rec     | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 103    | 70-130 |      | %Rec     | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Surr: Toluene-d8                   | 111    | 70-130 |      | %Rec     | 1  | 11/18/2022 4:06:25 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 98.8   | 70-130 |      | %Rec     | 1  | 11/18/2022 4:06:25 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.66   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA6

Project: Bisti LF

Collection Date: 11/11/2022 11:32:00 AM

Lab ID: 2211751-006

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0099   |      | mg/Kg | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 68.5   | 15-137   |      | %Rec  | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 66.5   | 15-121   |      | %Rec  | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 97.0   | 65.7-126 |      | %Rec  | 1  | 12/2/2022 6:45:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.2    | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:52:25 PM  | 71660               |
| Chloride                              | 32     | 1.5      |      | mg/Kg | 1  | 11/22/2022 9:52:25 PM  | 71660               |
| Nitrogen, Nitrate (As N)              | 5.4    | 0.30     |      | mg/Kg | 1  | 11/22/2022 9:52:25 PM  | 71660               |
| Sulfate                               | 150    | 1.5      |      | mg/Kg | 1  | 11/22/2022 9:52:25 PM  | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.0    | 0.50     |      | mg/Kg | 5  | 11/20/2022 1:27:49 PM  | 71582               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 1:46:10 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:30:51 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 37     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Calcium                               | 2500   | 100      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Chromium                              | 2.2    | 0.60     |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Iron                                  | 5300   | 500      |      | mg/Kg | 50 | 12/2/2022 10:13:28 AM  | 71582               |
| Lead                                  | 2.4    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Magnesium                             | 1000   | 100      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Potassium                             | 690    | 100      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 12:59:56 PM | 71582               |
| Silver                                | ND     | 1.0      |      | mg/Kg | 2  | 11/22/2022 12:59:56 PM | 71582               |
| Sodium                                | 180    | 100      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| Zinc                                  | 9.5    | 5.0      |      | mg/Kg | 2  | 11/22/2022 10:51:15 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA6

Project: Bisti LF

Collection Date: 11/11/2022 11:32:00 AM

Lab ID: 2211751-006

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 6:48:02 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 88.4   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 6:48:02 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 88.0   | 15-110   |      | %Rec  | 1  | 11/29/2022 6:48:02 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 8:42:19 AM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 8:42:19 AM | 71615               |
| Surr: DNOP                                       | 125    | 21-129   |      | %Rec  | 1  | 11/22/2022 8:42:19 AM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 9:30:00 PM | 71585               |
| Surr: BFB                                        | 130    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 9:30:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA6

Project: Bisti LF

Collection Date: 11/11/2022 11:32:00 AM

Lab ID: 2211751-006

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 4:33:37 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA6

Project: Bisti LF

Collection Date: 11/11/2022 11:32:00 AM

Lab ID: 2211751-006

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Surr: Dibromofluoromethane         | 113    | 70-130 |      | %Rec     | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 97.1   | 70-130 |      | %Rec     | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Surr: Toluene-d8                   | 109    | 70-130 |      | %Rec     | 1  | 11/18/2022 4:33:37 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 97.6   | 70-130 |      | %Rec     | 1  | 11/18/2022 4:33:37 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.73   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA7

Project: Bisti LF

Collection Date: 11/11/2022 11:34:00 AM

Lab ID: 2211751-007

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0094   |      | mg/Kg | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0094   |      | mg/Kg | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0094   |      | mg/Kg | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 80.0   | 15-137   |      | %Rec  | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 75.5   | 15-121   |      | %Rec  | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 93.0   | 65.7-126 |      | %Rec  | 1  | 12/2/2022 7:30:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.3    | 0.30     |      | mg/Kg | 1  | 11/22/2022 10:29:28 PM | 71660               |
| Chloride                              | 130    | 30       |      | mg/Kg | 20 | 11/23/2022 10:34:28 AM | 71660               |
| Nitrogen, Nitrate (As N)              | 27     | 6.0      |      | mg/Kg | 20 | 11/23/2022 10:34:28 AM | 71660               |
| Sulfate                               | 490    | 30       |      | mg/Kg | 20 | 11/23/2022 10:34:28 AM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.1    | 0.49     |      | mg/Kg | 5  | 11/20/2022 1:31:59 PM  | 71582               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 1:50:18 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:33:00 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 120    | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Calcium                               | 2800   | 99       |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Chromium                              | 2.7    | 0.59     |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Iron                                  | 5700   | 490      |      | mg/Kg | 50 | 12/2/2022 10:14:57 AM  | 71582               |
| Lead                                  | 2.7    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Magnesium                             | 1100   | 99       |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Manganese                             | 120    | 0.40     |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Potassium                             | 890    | 99       |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:01:12 PM  | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:01:12 PM  | 71582               |
| Sodium                                | 730    | 99       |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| Zinc                                  | 12     | 4.9      |      | mg/Kg | 2  | 11/22/2022 10:53:20 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA7

Project: Bisti LF

Collection Date: 11/11/2022 11:34:00 AM

Lab ID: 2211751-007

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|-----------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                       | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:02:19 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 89.6   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 8:02:19 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 90.0   | 15-110   |      | %Rec  | 1  | 11/29/2022 8:02:19 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                       | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 9:22:11 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 48       |      | mg/Kg | 1  | 11/22/2022 9:22:11 PM | 71615               |
| Surr: DNOP                                       | 121    | 21-129   |      | %Rec  | 1  | 11/22/2022 9:22:11 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                       | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 9:50:00 PM | 71585               |
| Surr: BFB                                        | 127    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 9:50:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                       | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA7

Project: Bisti LF

Collection Date: 11/11/2022 11:34:00 AM

Lab ID: 2211751-007

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:00:44 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA7

Project: Bisti LF

Collection Date: 11/11/2022 11:34:00 AM

Lab ID: 2211751-007

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.099  |      | mg/Kg    | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Surr: Dibromofluoromethane  | 119    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 106    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Surr: Toluene-d8            | 112    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:00:44 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 96.0   | 70-130 |      | %Rec     | 1  | 11/18/2022 5:00:44 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.82   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |



## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA8

Project: Bisti LF

Collection Date: 11/11/2022 11:36:00 AM

Lab ID: 2211751-008

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch        |
|---------------------------------------|--------|----------|------|-------|----|------------------------|--------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: DAM |
| Naphthalene                           | ND     | 0.0090   |      | mg/Kg | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| 1-Methylnaphthalene                   | ND     | 0.0090   |      | mg/Kg | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| 2-Methylnaphthalene                   | ND     | 0.0090   |      | mg/Kg | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| Benzo(a)pyrene                        | ND     | 0.018    |      | mg/Kg | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| Surr: Nitrobenzene-d5                 | 82.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| Surr: 2-Fluorobiphenyl                | 80.0   | 15-121   |      | %Rec  | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| Surr: 4-Terphenyl-d14                 | 103    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 10:20:00 AM  | 71550        |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: JMT |
| Fluoride                              | 1.7    | 0.30     |      | mg/Kg | 1  | 11/22/2022 10:41:49 PM | 71660        |
| Chloride                              | 120    | 30       |      | mg/Kg | 20 | 11/23/2022 10:46:53 AM | 71660        |
| Nitrogen, Nitrate (As N)              | 11     | 0.30     |      | mg/Kg | 1  | 11/22/2022 10:41:49 PM | 71660        |
| Sulfate                               | 180    | 30       |      | mg/Kg | 20 | 11/23/2022 10:46:53 AM | 71660        |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: ELS |
| Arsenic                               | 2.1    | 0.49     |      | mg/Kg | 5  | 11/20/2022 1:36:08 PM  | 71582        |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 1:54:28 PM  | 71582        |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: VP  |
| Mercury                               | ND     | 0.032    |      | mg/Kg | 1  | 11/30/2022 4:35:09 PM  | 71736        |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: JRR |
| Barium                                | 50     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Calcium                               | 1500   | 98       |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Chromium                              | 2.2    | 0.59     |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Copper                                | ND     | 3.9      |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Iron                                  | 5300   | 490      |      | mg/Kg | 50 | 12/2/2022 10:16:26 AM  | 71582        |
| Lead                                  | 2.3    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Magnesium                             | 1000   | 98       |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Manganese                             | 120    | 0.39     |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Potassium                             | 720    | 98       |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:02:28 PM  | 71582        |
| Silver                                | ND     | 0.98     |      | mg/Kg | 2  | 11/22/2022 1:02:28 PM  | 71582        |
| Sodium                                | 310    | 98       |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| Zinc                                  | 9.7    | 4.9      |      | mg/Kg | 2  | 11/22/2022 10:55:13 AM | 71582        |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: SB  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629        |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629        |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629        |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629        |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA8

Project: Bisti LF

Collection Date: 11/11/2022 11:36:00 AM

Lab ID: 2211751-008

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 8:39:34 PM  | 71629               |
| Surr: Decachlorobiphenyl                         | 93.2   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 8:39:34 PM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 88.8   | 15-110   |      | %Rec  | 1  | 11/29/2022 8:39:34 PM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/22/2022 9:32:32 PM  | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 48       |      | mg/Kg | 1  | 11/22/2022 9:32:32 PM  | 71615               |
| Surr: DNOP                                       | 109    | 21-129   |      | %Rec  | 1  | 11/22/2022 9:32:32 PM  | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 4.9      |      | mg/Kg | 1  | 11/21/2022 10:09:00 PM | 71585               |
| Surr: BFB                                        | 122    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 10:09:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Toluene                                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Bromoform                                        | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Chloroform                                       | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA8

Project: Bisti LF

Collection Date: 11/11/2022 11:36:00 AM

Lab ID: 2211751-008

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Dibromochloromethane        | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Dibromomethane              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 2-Hexanone                  | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Isopropylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| n-Propylbenzene             | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Styrene                     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Vinyl chloride              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 5:27:49 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA8

Project: Bisti LF

Collection Date: 11/11/2022 11:36:00 AM

Lab ID: 2211751-008

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.099  |      | mg/Kg    | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Surr: Dibromofluoromethane         | 128    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 109    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Surr: Toluene-d8                   | 109    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:27:49 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 97.9   | 70-130 |      | %Rec     | 1  | 11/18/2022 5:27:49 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.41   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA9

Project: Bisti LF

Collection Date: 11/11/2022 11:45:00 AM

Lab ID: 2211751-009

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch        |
|---------------------------------------|--------|----------|------|-------|----|------------------------|--------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: DAM |
| Naphthalene                           | ND     | 0.0094   |      | mg/Kg | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| 1-Methylnaphthalene                   | ND     | 0.0094   |      | mg/Kg | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| 2-Methylnaphthalene                   | ND     | 0.0094   |      | mg/Kg | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| Surr: Nitrobenzene-d5                 | 83.0   | 15-137   |      | %Rec  | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| Surr: 2-Fluorobiphenyl                | 78.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| Surr: 4-Terphenyl-d14                 | 105    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 11:05:00 AM  | 71550        |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: JMT |
| Fluoride                              | 1.5    | 0.30     |      | mg/Kg | 1  | 11/22/2022 10:54:10 PM | 71660        |
| Chloride                              | 940    | 30       |      | mg/Kg | 20 | 11/23/2022 10:59:18 AM | 71660        |
| Nitrogen, Nitrate (As N)              | 31     | 6.0      |      | mg/Kg | 20 | 11/23/2022 10:59:18 AM | 71660        |
| Sulfate                               | 1700   | 30       |      | mg/Kg | 20 | 11/23/2022 10:59:18 AM | 71660        |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: ELS |
| Arsenic                               | 2.8    | 0.49     |      | mg/Kg | 5  | 11/20/2022 1:40:17 PM  | 71582        |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 1:58:37 PM  | 71582        |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: VP  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:37:17 PM  | 71736        |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: JRR |
| Barium                                | 120    | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Calcium                               | 3000   | 98       |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Chromium                              | 3.4    | 0.59     |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Copper                                | ND     | 3.9      |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Iron                                  | 7700   | 490      |      | mg/Kg | 50 | 12/2/2022 10:17:55 AM  | 71582        |
| Lead                                  | 2.6    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Magnesium                             | 1400   | 98       |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Manganese                             | 160    | 0.39     |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Potassium                             | 1200   | 98       |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:03:43 PM  | 71582        |
| Silver                                | ND     | 0.98     |      | mg/Kg | 2  | 11/22/2022 1:03:43 PM  | 71582        |
| Sodium                                | 2600   | 98       |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| Zinc                                  | 13     | 4.9      |      | mg/Kg | 2  | 11/22/2022 10:57:06 AM | 71582        |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: SB  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629        |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629        |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629        |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629        |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA9

Project: Bisti LF

Collection Date: 11/11/2022 11:45:00 AM

Lab ID: 2211751-009

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:16:42 PM  | 71629               |
| Surr: Decachlorobiphenyl                         | 96.4   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 9:16:42 PM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 92.8   | 15-110   |      | %Rec  | 1  | 11/29/2022 9:16:42 PM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 9:42:54 PM  | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 50       |      | mg/Kg | 1  | 11/22/2022 9:42:54 PM  | 71615               |
| Surr: DNOP                                       | 112    | 21-129   |      | %Rec  | 1  | 11/22/2022 9:42:54 PM  | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 10:29:00 PM | 71585               |
| Surr: BFB                                        | 122    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 10:29:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA9

Project: Bisti LF

Collection Date: 11/11/2022 11:45:00 AM

Lab ID: 2211751-009

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 5:54:51 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA9

Project: Bisti LF

Collection Date: 11/11/2022 11:45:00 AM

Lab ID: 2211751-009

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Surr: Dibromofluoromethane         | 112    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 93.7   | 70-130 |      | %Rec     | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Surr: Toluene-d8                   | 108    | 70-130 |      | %Rec     | 1  | 11/18/2022 5:54:51 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 97.5   | 70-130 |      | %Rec     | 1  | 11/18/2022 5:54:51 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 9.03   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA10

Project: Bisti LF

Collection Date: 11/11/2022 11:50:00 PM

Lab ID: 2211751-010

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0099   |      | mg/Kg | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| Surr: Nitrobenzene-d5                 | 90.0   | 15-137   |      | %Rec  | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| Surr: 2-Fluorobiphenyl                | 84.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| Surr: 4-Terphenyl-d14                 | 106    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 11:51:00 AM  | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.5    | 0.30     |      | mg/Kg | 1  | 11/22/2022 11:06:30 PM | 71660               |
| Chloride                              | 400    | 30       |      | mg/Kg | 20 | 11/23/2022 11:11:43 AM | 71660               |
| Nitrogen, Nitrate (As N)              | 31     | 6.0      |      | mg/Kg | 20 | 11/23/2022 11:11:43 AM | 71660               |
| Sulfate                               | 1100   | 30       |      | mg/Kg | 20 | 11/23/2022 11:11:43 AM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.4    | 0.49     |      | mg/Kg | 5  | 11/20/2022 1:44:26 PM  | 71582               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 2:02:46 PM  | 71582               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 4:39:26 PM  | 71736               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 140    | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Calcium                               | 4200   | 99       |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Chromium                              | 3.2    | 0.59     |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Copper                                | ND     | 3.9      |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Iron                                  | 7000   | 490      |      | mg/Kg | 50 | 12/2/2022 10:24:57 AM  | 71582               |
| Lead                                  | 2.5    | 2.0      |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Magnesium                             | 1300   | 99       |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Manganese                             | 150    | 0.39     |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Potassium                             | 1100   | 99       |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:05:00 PM  | 71582               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:05:00 PM  | 71582               |
| Sodium                                | 2000   | 99       |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| Zinc                                  | 13     | 4.9      |      | mg/Kg | 2  | 11/22/2022 10:58:54 AM | 71582               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA10

Project: Bisti LF

Collection Date: 11/11/2022 11:50:00 PM

Lab ID: 2211751-010

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Surr: Decachlorobiphenyl                         | 86.8   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 82.4   | 15-110   |      | %Rec  | 1  | 11/29/2022 9:53:51 PM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/22/2022 9:53:16 PM  | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 47       |      | mg/Kg | 1  | 11/22/2022 9:53:16 PM  | 71615               |
| Surr: DNOP                                       | 102    | 21-129   |      | %Rec  | 1  | 11/22/2022 9:53:16 PM  | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 10:49:00 PM | 71585               |
| Surr: BFB                                        | 131    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 10:49:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA10

Project: Bisti LF

Collection Date: 11/11/2022 11:50:00 PM

Lab ID: 2211751-010

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:21:56 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA10

Project: Bisti LF

Collection Date: 11/11/2022 11:50:00 PM

Lab ID: 2211751-010

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.099  |      | mg/Kg    | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Surr: Dibromofluoromethane         | 125    | 70-130 |      | %Rec     | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 113    | 70-130 |      | %Rec     | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Surr: Toluene-d8                   | 111    | 70-130 |      | %Rec     | 1  | 11/18/2022 6:21:56 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 94.8   | 70-130 |      | %Rec     | 1  | 11/18/2022 6:21:56 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 9.60   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA11

Project: Bisti LF

Collection Date: 11/11/2022 11:55:00 PM

Lab ID: 2211751-011

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.010    |      | mg/Kg | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.010    |      | mg/Kg | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.010    |      | mg/Kg | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| Surr: Nitrobenzene-d5                 | 91.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| Surr: 2-Fluorobiphenyl                | 87.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| Surr: 4-Terphenyl-d14                 | 109    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 12:38:00 PM  | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.4    | 0.30     |      | mg/Kg | 1  | 11/22/2022 11:18:51 PM | 71660               |
| Chloride                              | 290    | 30       |      | mg/Kg | 20 | 11/23/2022 11:24:07 AM | 71660               |
| Nitrogen, Nitrate (As N)              | 25     | 6.0      |      | mg/Kg | 20 | 11/23/2022 11:24:07 AM | 71660               |
| Sulfate                               | 1400   | 30       |      | mg/Kg | 20 | 11/23/2022 11:24:07 AM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.0    | 0.50     |      | mg/Kg | 5  | 11/20/2022 1:48:36 PM  | 71583               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 2:06:55 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.032    |      | mg/Kg | 1  | 11/30/2022 3:26:30 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 190    | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Calcium                               | 5300   | 100      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Chromium                              | 2.5    | 0.60     |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Iron                                  | 6000   | 500      |      | mg/Kg | 50 | 12/2/2022 10:26:25 AM  | 71583               |
| Lead                                  | 2.8    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Magnesium                             | 1000   | 100      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Potassium                             | 890    | 100      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 1:06:16 PM  | 71583               |
| Silver                                | ND     | 1.0      |      | mg/Kg | 2  | 11/22/2022 1:06:16 PM  | 71583               |
| Sodium                                | 1800   | 100      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| Zinc                                  | 10     | 5.0      |      | mg/Kg | 2  | 11/22/2022 11:00:47 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA11

Project: Bisti LF

Collection Date: 11/11/2022 11:55:00 PM

Lab ID: 2211751-011

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 89.6   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 10:30:57 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 89.6   | 15-110   |      | %Rec  | 1  | 11/29/2022 10:30:57 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/22/2022 10:03:39 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 47       |      | mg/Kg | 1  | 11/22/2022 10:03:39 PM | 71615               |
| Surr: DNOP                                       | 82.7   | 21-129   |      | %Rec  | 1  | 11/22/2022 10:03:39 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/21/2022 11:08:00 PM | 71585               |
| Surr: BFB                                        | 133    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 11:08:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA11

Project: Bisti LF

Collection Date: 11/11/2022 11:55:00 PM

Lab ID: 2211751-011

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 6:48:55 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA11

Project: Bisti LF

Collection Date: 11/11/2022 11:55:00 PM

Lab ID: 2211751-011

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Surr: Dibromofluoromethane  | 118    | 70-130 |      | %Rec     | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 109    | 70-130 |      | %Rec     | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Surr: Toluene-d8            | 110    | 70-130 |      | %Rec     | 1  | 11/18/2022 6:48:55 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 96.5   | 70-130 |      | %Rec     | 1  | 11/18/2022 6:48:55 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 9.39   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA12

Project: Bisti LF

Collection Date: 11/11/2022 12:00:00 PM

Lab ID: 2211751-012

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0098   |      | mg/Kg | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0098   |      | mg/Kg | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0098   |      | mg/Kg | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 90.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 86.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 104    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 1:25:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.4    | 0.30     |      | mg/Kg | 1  | 11/22/2022 11:31:12 PM | 71660               |
| Chloride                              | 520    | 30       |      | mg/Kg | 20 | 11/23/2022 11:36:31 AM | 71660               |
| Nitrogen, Nitrate (As N)              | 25     | 6.0      |      | mg/Kg | 20 | 11/23/2022 11:36:31 AM | 71660               |
| Sulfate                               | 1600   | 30       |      | mg/Kg | 20 | 11/23/2022 11:36:31 AM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.2    | 0.49     |      | mg/Kg | 5  | 11/20/2022 1:52:45 PM  | 71583               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 2:27:44 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:28:37 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 120    | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Calcium                               | 3700   | 99       |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Chromium                              | 3.1    | 0.59     |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Copper                                | ND     | 3.9      |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Iron                                  | 6200   | 490      |      | mg/Kg | 50 | 12/2/2022 10:27:52 AM  | 71583               |
| Lead                                  | ND     | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Magnesium                             | 1100   | 99       |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Manganese                             | 110    | 0.39     |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Potassium                             | 950    | 99       |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:07:32 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:07:32 PM  | 71583               |
| Sodium                                | 2200   | 99       |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| Zinc                                  | 11     | 4.9      |      | mg/Kg | 2  | 11/22/2022 11:08:53 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |



## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA12

Project: Bisti LF

Collection Date: 11/11/2022 12:00:00 PM

Lab ID: 2211751-012

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 96.0   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 11:08:10 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 92.8   | 15-110   |      | %Rec  | 1  | 11/29/2022 11:08:10 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 10:14:03 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 10:14:03 PM | 71615               |
| Surr: DNOP                                       | 108    | 21-129   |      | %Rec  | 1  | 11/22/2022 10:14:03 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 4.9      |      | mg/Kg | 1  | 11/21/2022 11:28:00 PM | 71585               |
| Surr: BFB                                        | 133    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 11:28:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Toluene                                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Naphthalene                                      | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Bromoform                                        | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Chloroethane                                     | ND     | 0.099    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Chloroform                                       | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA12

Project: Bisti LF

Collection Date: 11/11/2022 12:00:00 PM

Lab ID: 2211751-012

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Dibromochloromethane        | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Dibromomethane              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 2-Hexanone                  | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Isopropylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| n-Propylbenzene             | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Styrene                     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.099 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Vinyl chloride              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:15:57 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA12

Project: Bisti LF

Collection Date: 11/11/2022 12:00:00 PM

Lab ID: 2211751-012

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.099  |      | mg/Kg    | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Surr: Dibromofluoromethane  | 111    | 70-130 |      | %Rec     | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 91.5   | 70-130 |      | %Rec     | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Surr: Toluene-d8            | 106    | 70-130 |      | %Rec     | 1  | 11/18/2022 7:15:57 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 96.4   | 70-130 |      | %Rec     | 1  | 11/18/2022 7:15:57 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 9.22   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA13

Project: Bisti LF

Collection Date: 11/11/2022 12:10:00 PM

Lab ID: 2211751-013

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0097   |      | mg/Kg | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0097   |      | mg/Kg | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0097   |      | mg/Kg | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 85.0   | 15-137   |      | %Rec  | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 79.0   | 15-121   |      | %Rec  | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 100    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 2:12:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.6    | 0.30     |      | mg/Kg | 1  | 11/22/2022 11:43:32 PM | 71660               |
| Chloride                              | 88     | 30       |      | mg/Kg | 20 | 11/23/2022 12:13:46 PM | 71660               |
| Nitrogen, Nitrate (As N)              | 20     | 6.0      |      | mg/Kg | 20 | 11/23/2022 12:13:46 PM | 71660               |
| Sulfate                               | 210    | 30       |      | mg/Kg | 20 | 11/23/2022 12:13:46 PM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 1.7    | 0.49     |      | mg/Kg | 5  | 11/20/2022 2:09:25 PM  | 71583               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 2:31:53 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.032    |      | mg/Kg | 1  | 11/30/2022 3:35:00 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 87     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Calcium                               | 3700   | 99       |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Chromium                              | 1.5    | 0.59     |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Copper                                | ND     | 3.9      |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Iron                                  | 4400   | 490      |      | mg/Kg | 50 | 12/2/2022 10:29:22 AM  | 71583               |
| Lead                                  | 2.9    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Magnesium                             | 800    | 99       |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Manganese                             | 130    | 0.39     |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Potassium                             | 550    | 99       |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:08:47 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:08:47 PM  | 71583               |
| Sodium                                | 470    | 99       |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| Zinc                                  | 9.6    | 4.9      |      | mg/Kg | 2  | 11/22/2022 11:10:41 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA13

Project: Bisti LF

Collection Date: 11/11/2022 12:10:00 PM

Lab ID: 2211751-013

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Surr: Decachlorobiphenyl                         | 91.2   | 47.2-115 |      | %Rec  | 1  | 11/29/2022 11:45:18 PM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 91.6   | 15-110   |      | %Rec  | 1  | 11/29/2022 11:45:18 PM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/22/2022 10:34:45 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 48       |      | mg/Kg | 1  | 11/22/2022 10:34:45 PM | 71615               |
| Surr: DNOP                                       | 118    | 21-129   |      | %Rec  | 1  | 11/22/2022 10:34:45 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 4.9      |      | mg/Kg | 1  | 11/21/2022 11:47:00 PM | 71585               |
| Surr: BFB                                        | 137    | 37.7-212 |      | %Rec  | 1  | 11/21/2022 11:47:00 PM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Toluene                                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Naphthalene                                      | ND     | 0.098    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Bromoform                                        | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Chloroethane                                     | ND     | 0.098    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Chloroform                                       | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA13

Project: Bisti LF

Collection Date: 11/11/2022 12:10:00 PM

Lab ID: 2211751-013

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Dibromochloromethane        | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Dibromomethane              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 2-Hexanone                  | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Isopropylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| n-Propylbenzene             | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Styrene                     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Vinyl chloride              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 7:43:11 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA13

Project: Bisti LF

Collection Date: 11/11/2022 12:10:00 PM

Lab ID: 2211751-013

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.098  |      | mg/Kg    | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Surr: Dibromofluoromethane  | 118    | 70-130 |      | %Rec     | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 95.5   | 70-130 |      | %Rec     | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Surr: Toluene-d8            | 111    | 70-130 |      | %Rec     | 1  | 11/18/2022 7:43:11 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 102    | 70-130 |      | %Rec     | 1  | 11/18/2022 7:43:11 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.81   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA14

Project: Bisti LF

Collection Date: 11/11/2022 12:15:00 PM

Lab ID: 2211751-014

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0099   |      | mg/Kg | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0099   |      | mg/Kg | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.020    |      | mg/Kg | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 84.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 78.0   | 15-121   |      | %Rec  | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 98.0   | 65.7-126 |      | %Rec  | 1  | 12/5/2022 3:00:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.7    | 0.30     |      | mg/Kg | 1  | 11/22/2022 11:55:54 PM | 71660               |
| Chloride                              | 160    | 30       |      | mg/Kg | 20 | 11/23/2022 12:26:10 PM | 71660               |
| Nitrogen, Nitrate (As N)              | 34     | 6.0      |      | mg/Kg | 20 | 11/23/2022 12:26:10 PM | 71660               |
| Sulfate                               | 380    | 30       |      | mg/Kg | 20 | 11/23/2022 12:26:10 PM | 71660               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 3.3    | 0.50     |      | mg/Kg | 5  | 11/20/2022 2:13:35 PM  | 71583               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 2:36:04 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:37:07 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 100    | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Calcium                               | 9700   | 99       |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Chromium                              | 5.1    | 0.60     |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Copper                                | 4.4    | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Iron                                  | 9600   | 500      |      | mg/Kg | 50 | 12/2/2022 10:30:52 AM  | 71583               |
| Lead                                  | 2.6    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Magnesium                             | 2100   | 99       |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Manganese                             | 170    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Potassium                             | 1500   | 99       |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 1:10:03 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:10:03 PM  | 71583               |
| Sodium                                | 440    | 99       |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| Zinc                                  | 18     | 5.0      |      | mg/Kg | 2  | 11/22/2022 11:12:45 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA14

Project: Bisti LF

Collection Date: 11/11/2022 12:15:00 PM

Lab ID: 2211751-014

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Surr: Decachlorobiphenyl                         | 90.0   | 47.2-115 |      | %Rec  | 1  | 11/30/2022 12:22:29 AM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 89.2   | 15-110   |      | %Rec  | 1  | 11/30/2022 12:22:29 AM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 10:45:05 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 50       |      | mg/Kg | 1  | 11/22/2022 10:45:05 PM | 71615               |
| Surr: DNOP                                       | 127    | 21-129   |      | %Rec  | 1  | 11/22/2022 10:45:05 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/22/2022 12:07:00 AM | 71585               |
| Surr: BFB                                        | 139    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 12:07:00 AM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA14

Project: Bisti LF

Collection Date: 11/11/2022 12:15:00 PM

Lab ID: 2211751-014

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 8:10:13 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
Lab Order 2211751  
Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA14

Project: Bisti LF

Collection Date: 11/11/2022 12:15:00 PM

Lab ID: 2211751-014

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Surr: Dibromofluoromethane  | 113    | 70-130 |      | %Rec     | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 92.1   | 70-130 |      | %Rec     | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Surr: Toluene-d8            | 107    | 70-130 |      | %Rec     | 1  | 11/18/2022 8:10:13 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 100    | 70-130 |      | %Rec     | 1  | 11/18/2022 8:10:13 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.12   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA15

Project: Bisti LF

Collection Date: 11/11/2022 12:20:00 PM

Lab ID: 2211751-015

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0095   |      | mg/Kg | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0095   |      | mg/Kg | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0095   |      | mg/Kg | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 89.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 82.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 106    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 3:49:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.2    | 0.30     |      | mg/Kg | 1  | 11/28/2022 6:11:53 PM  | 71725               |
| Chloride                              | 14     | 1.5      |      | mg/Kg | 1  | 11/28/2022 6:11:53 PM  | 71725               |
| Nitrogen, Nitrate (As N)              | 12     | 0.30     |      | mg/Kg | 1  | 11/28/2022 6:11:53 PM  | 71725               |
| Sulfate                               | 310    | 30       |      | mg/Kg | 20 | 11/28/2022 6:24:18 PM  | 71725               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.3    | 0.49     |      | mg/Kg | 5  | 11/20/2022 2:17:45 PM  | 71583               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 2:40:13 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.032    |      | mg/Kg | 1  | 11/30/2022 3:39:15 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 200    | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Calcium                               | 5000   | 99       |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Chromium                              | 2.4    | 0.59     |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Iron                                  | 5900   | 490      |      | mg/Kg | 50 | 12/2/2022 10:32:20 AM  | 71583               |
| Lead                                  | 2.1    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Magnesium                             | 1000   | 99       |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Manganese                             | 120    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Potassium                             | 750    | 99       |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:15:11 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:15:11 PM  | 71583               |
| Sodium                                | 330    | 99       |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| Zinc                                  | 11     | 4.9      |      | mg/Kg | 2  | 11/22/2022 11:14:38 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA15

Project: Bisti LF

Collection Date: 11/11/2022 12:20:00 PM

Lab ID: 2211751-015

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Surr: Decachlorobiphenyl                         | 102    | 47.2-115 |      | %Rec  | 1  | 11/30/2022 12:59:41 AM | 71629               |
| Surr: Tetrachloro-m-xylene                       | 96.8   | 15-110   |      | %Rec  | 1  | 11/30/2022 12:59:41 AM | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 10:55:25 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 10:55:25 PM | 71615               |
| Surr: DNOP                                       | 101    | 21-129   |      | %Rec  | 1  | 11/22/2022 10:55:25 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 4.9      |      | mg/Kg | 1  | 11/22/2022 12:26:00 AM | 71585               |
| Surr: BFB                                        | 145    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 12:26:00 AM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Toluene                                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Naphthalene                                      | ND     | 0.098    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Bromoform                                        | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.49     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Chloroethane                                     | ND     | 0.098    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Chloroform                                       | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA15

Project: Bisti LF

Collection Date: 11/11/2022 12:20:00 PM

Lab ID: 2211751-015

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Dibromochloromethane        | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Dibromomethane              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 2-Hexanone                  | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Isopropylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.49  |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| n-Propylbenzene             | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Styrene                     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.098 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Vinyl chloride              | ND     | 0.049 |      | mg/Kg | 1  | 11/18/2022 8:37:11 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA15

Project: Bisti LF

Collection Date: 11/11/2022 12:20:00 PM

Lab ID: 2211751-015

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.098  |      | mg/Kg    | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Surr: Dibromofluoromethane  | 116    | 70-130 |      | %Rec     | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 102    | 70-130 |      | %Rec     | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Surr: Toluene-d8            | 116    | 70-130 |      | %Rec     | 1  | 11/18/2022 8:37:11 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 96.9   | 70-130 |      | %Rec     | 1  | 11/18/2022 8:37:11 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.66   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA16

Project: Bisti LF

Collection Date: 11/11/2022 12:25:00 PM

Lab ID: 2211751-016

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0089   |      | mg/Kg | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0089   |      | mg/Kg | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0089   |      | mg/Kg | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.018    |      | mg/Kg | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 97.0   | 15-137   |      | %Rec  | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 90.0   | 15-121   |      | %Rec  | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 108    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 4:35:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.1    | 0.30     |      | mg/Kg | 1  | 11/28/2022 6:36:43 PM  | 71725               |
| Chloride                              | 34     | 1.5      |      | mg/Kg | 1  | 11/28/2022 6:36:43 PM  | 71725               |
| Nitrogen, Nitrate (As N)              | 13     | 0.30     |      | mg/Kg | 1  | 11/28/2022 6:36:43 PM  | 71725               |
| Sulfate                               | 130    | 30       |      | mg/Kg | 20 | 11/28/2022 6:49:08 PM  | 71725               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.4    | 0.50     |      | mg/Kg | 5  | 11/20/2022 2:21:54 PM  | 71583               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 2:44:23 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:41:24 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 110    | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Calcium                               | 4900   | 100      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Chromium                              | 2.3    | 0.60     |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Iron                                  | 5800   | 500      |      | mg/Kg | 50 | 12/2/2022 10:33:49 AM  | 71583               |
| Lead                                  | 2.0    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Magnesium                             | 1100   | 100      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Manganese                             | 110    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Potassium                             | 730    | 100      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 1:16:28 PM  | 71583               |
| Silver                                | ND     | 1.0      |      | mg/Kg | 2  | 11/22/2022 1:16:28 PM  | 71583               |
| Sodium                                | 250    | 100      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| Zinc                                  | 10     | 5.0      |      | mg/Kg | 2  | 11/22/2022 11:16:30 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA16

Project: Bisti LF

Collection Date: 11/11/2022 12:25:00 PM

Lab ID: 2211751-016

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Surr: Decachlorobiphenyl                         | 93.2   | 47.2-115 |      | %Rec  | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 90.0   | 15-110   |      | %Rec  | 1  | 11/30/2022 1:36:50 AM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 14       |      | mg/Kg | 1  | 11/22/2022 11:05:44 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 46       |      | mg/Kg | 1  | 11/22/2022 11:05:44 PM | 71615               |
| Surr: DNOP                                       | 117    | 21-129   |      | %Rec  | 1  | 11/22/2022 11:05:44 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/22/2022 12:46:00 AM | 71585               |
| Surr: BFB                                        | 148    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 12:46:00 AM | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA16

Project: Bisti LF

Collection Date: 11/11/2022 12:25:00 PM

Lab ID: 2211751-016

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:04:07 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
Lab Order 2211751  
Date Reported:

CLIENT: ENSOLUM  
Project: Bisti LF  
Lab ID: 2211751-016

Client Sample ID: HA16  
Collection Date: 11/11/2022 12:25:00 PM  
Received Date: 11/12/2022 8:00:00 AM

Matrix: SOIL

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Surr: Dibromofluoromethane  | 112    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 92.5   | 70-130 |      | %Rec     | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Surr: Toluene-d8            | 105    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:04:07 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 99.3   | 70-130 |      | %Rec     | 1  | 11/18/2022 9:04:07 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.71   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA17

Project: Bisti LF

Collection Date: 11/11/2022 12:40:00 PM

Lab ID: 2211751-017

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0096   |      | mg/Kg | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0096   |      | mg/Kg | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0096   |      | mg/Kg | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 90.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 83.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 110    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 5:22:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 2.6    | 0.30     |      | mg/Kg | 1  | 11/28/2022 7:01:33 PM  | 71725               |
| Chloride                              | 40     | 1.5      |      | mg/Kg | 1  | 11/28/2022 7:01:33 PM  | 71725               |
| Nitrogen, Nitrate (As N)              | 33     | 6.0      |      | mg/Kg | 20 | 11/28/2022 7:13:57 PM  | 71725               |
| Sulfate                               | 280    | 30       |      | mg/Kg | 20 | 11/28/2022 7:13:57 PM  | 71725               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 3.1    | 0.50     |      | mg/Kg | 5  | 11/20/2022 2:26:04 PM  | 71583               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 2:48:33 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:43:32 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 99     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Calcium                               | 8500   | 99       |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Chromium                              | 5.3    | 0.60     |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Copper                                | 4.9    | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Iron                                  | 10000  | 500      |      | mg/Kg | 50 | 12/2/2022 10:35:19 AM  | 71583               |
| Lead                                  | 4.1    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Magnesium                             | 2400   | 99       |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Manganese                             | 190    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Potassium                             | 1600   | 99       |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 1:17:44 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:17:44 PM  | 71583               |
| Sodium                                | 630    | 99       |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| Zinc                                  | 19     | 5.0      |      | mg/Kg | 2  | 11/22/2022 11:18:23 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Aroclor 1221                          | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Aroclor 1232                          | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Aroclor 1242                          | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA17

Project: Bisti LF

Collection Date: 11/11/2022 12:40:00 PM

Lab ID: 2211751-017

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Aroclor 1254                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Aroclor 1260                                     | ND     | 0.017    |      | mg/Kg | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Surr: Decachlorobiphenyl                         | 86.0   | 47.2-115 |      | %Rec  | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 88.0   | 15-110   |      | %Rec  | 1  | 11/30/2022 2:51:26 AM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 11:16:05 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 11:16:05 PM | 71615               |
| Surr: DNOP                                       | 96.9   | 21-129   |      | %Rec  | 1  | 11/22/2022 11:16:05 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/22/2022 1:05:00 AM  | 71585               |
| Surr: BFB                                        | 145    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 1:05:00 AM  | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA17

Project: Bisti LF

Collection Date: 11/11/2022 12:40:00 PM

Lab ID: 2211751-017

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:31:03 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA17

Project: Bisti LF

Collection Date: 11/11/2022 12:40:00 PM

Lab ID: 2211751-017

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Surr: Dibromofluoromethane  | 115    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 97.1   | 70-130 |      | %Rec     | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Surr: Toluene-d8            | 106    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:31:03 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 101    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:31:03 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.50   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA18

Project: Bisti LF

Collection Date: 11/11/2022 12:45:00 PM

Lab ID: 2211751-018

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0097   |      | mg/Kg | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0097   |      | mg/Kg | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0097   |      | mg/Kg | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 67.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 60.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 78.5   | 65.7-126 |      | %Rec  | 1  | 12/5/2022 6:09:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 1.5    | 0.30     |      | mg/Kg | 1  | 11/28/2022 7:51:11 PM  | 71725               |
| Chloride                              | 140    | 30       |      | mg/Kg | 20 | 11/28/2022 8:03:36 PM  | 71725               |
| Nitrogen, Nitrate (As N)              | 24     | 6.0      |      | mg/Kg | 20 | 11/28/2022 8:03:36 PM  | 71725               |
| Sulfate                               | 230    | 30       |      | mg/Kg | 20 | 11/28/2022 8:03:36 PM  | 71725               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.6    | 0.50     |      | mg/Kg | 5  | 11/20/2022 2:30:13 PM  | 71583               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 2:52:41 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:45:42 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 200    | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Calcium                               | 8000   | 100      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Chromium                              | 3.4    | 0.60     |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Iron                                  | 6900   | 500      |      | mg/Kg | 50 | 12/2/2022 10:36:47 AM  | 71583               |
| Lead                                  | 2.9    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Magnesium                             | 1500   | 100      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Manganese                             | 120    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Potassium                             | 1100   | 100      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 1:18:59 PM  | 71583               |
| Silver                                | ND     | 1.0      |      | mg/Kg | 2  | 11/22/2022 1:18:59 PM  | 71583               |
| Sodium                                | 420    | 100      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| Zinc                                  | 13     | 5.0      |      | mg/Kg | 2  | 11/22/2022 11:20:17 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA18

Project: Bisti LF

Collection Date: 11/11/2022 12:45:00 PM

Lab ID: 2211751-018

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Surr: Decachlorobiphenyl                         | 98.0   | 47.2-115 |      | %Rec  | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 94.0   | 15-110   |      | %Rec  | 1  | 11/30/2022 3:28:47 AM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 11:26:25 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 11:26:25 PM | 71615               |
| Surr: DNOP                                       | 111    | 21-129   |      | %Rec  | 1  | 11/22/2022 11:26:25 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/22/2022 1:25:00 AM  | 71585               |
| Surr: BFB                                        | 148    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 1:25:00 AM  | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA18

Project: Bisti LF

Collection Date: 11/11/2022 12:45:00 PM

Lab ID: 2211751-018

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/18/2022 9:57:59 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2211751

Date Reported:

CLIENT: ENSOLUM

Client Sample ID: HA18

Project: Bisti LF

Collection Date: 11/11/2022 12:45:00 PM

Lab ID: 2211751-018

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total              | ND     | 0.10   |      | mg/Kg    | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Surr: Dibromofluoromethane  | 108    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4 | 99.6   | 70-130 |      | %Rec     | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Surr: Toluene-d8            | 104    | 70-130 |      | %Rec     | 1  | 11/18/2022 9:57:59 PM | 71585        |
| Surr: 4-Bromofluorobenzene  | 96.7   | 70-130 |      | %Rec     | 1  | 11/18/2022 9:57:59 PM | 71585        |
| SM4500H+B/EPA 9040C         |        |        |      |          |    |                       | Analyst: SNS |
| pH                          | 8.31   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA19

Project: Bisti LF

Collection Date: 11/11/2022 12:50:00 PM

Lab ID: 2211751-019

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0091   |      | mg/Kg | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0091   |      | mg/Kg | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0091   |      | mg/Kg | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.018    |      | mg/Kg | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 79.5   | 15-137   |      | %Rec  | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 73.0   | 15-121   |      | %Rec  | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 98.5   | 65.7-126 |      | %Rec  | 1  | 12/5/2022 6:55:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 2.2    | 0.30     |      | mg/Kg | 1  | 11/28/2022 8:16:00 PM  | 71725               |
| Chloride                              | 31     | 1.5      |      | mg/Kg | 1  | 11/28/2022 8:16:00 PM  | 71725               |
| Nitrogen, Nitrate (As N)              | 19     | 6.0      |      | mg/Kg | 20 | 11/28/2022 8:28:25 PM  | 71725               |
| Sulfate                               | 450    | 30       |      | mg/Kg | 20 | 11/28/2022 8:28:25 PM  | 71725               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.8    | 0.50     |      | mg/Kg | 5  | 11/20/2022 2:34:24 PM  | 71583               |
| Uranium                               | ND     | 0.50     |      | mg/Kg | 5  | 11/21/2022 2:56:52 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:47:51 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 70     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Calcium                               | 6700   | 99       |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Chromium                              | 4.5    | 0.60     |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Copper                                | 4.1    | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Iron                                  | 8500   | 500      |      | mg/Kg | 50 | 12/2/2022 10:38:16 AM  | 71583               |
| Lead                                  | 2.6    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Magnesium                             | 1900   | 99       |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Manganese                             | 160    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Potassium                             | 1300   | 99       |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Selenium                              | ND     | 5.0      |      | mg/Kg | 2  | 11/22/2022 1:20:16 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:20:16 PM  | 71583               |
| Sodium                                | 650    | 99       |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| Zinc                                  | 16     | 5.0      |      | mg/Kg | 2  | 11/22/2022 11:22:10 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1016                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Aroclor 1221                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Aroclor 1232                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Aroclor 1242                          | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA19

Project: Bisti LF

Collection Date: 11/11/2022 12:50:00 PM

Lab ID: 2211751-019

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: <b>SB</b>  |
| Aroclor 1248                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Aroclor 1254                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Aroclor 1260                                     | ND     | 0.016    |      | mg/Kg | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Surr: Decachlorobiphenyl                         | 96.8   | 47.2-115 |      | %Rec  | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| Surr: Tetrachloro-m-xylene                       | 96.0   | 15-110   |      | %Rec  | 1  | 11/30/2022 4:06:06 AM  | 71629               |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: <b>DGH</b> |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 11:36:45 PM | 71615               |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 11:36:45 PM | 71615               |
| Surr: DNOP                                       | 101    | 21-129   |      | %Rec  | 1  | 11/22/2022 11:36:45 PM | 71615               |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: <b>CCM</b> |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 11/22/2022 1:44:00 AM  | 71585               |
| Surr: BFB                                        | 154    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 1:44:00 AM  | 71585               |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Toluene                                          | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 1,2,4-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 1,3,5-Trimethylbenzene                           | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Naphthalene                                      | ND     | 0.10     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Acetone                                          | ND     | 0.75     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Bromobenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Bromodichloromethane                             | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Bromoform                                        | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 2-Butanone                                       | ND     | 0.50     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Carbon disulfide                                 | ND     | 0.50     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Carbon tetrachloride                             | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Chlorobenzene                                    | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Chloroethane                                     | ND     | 0.10     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Chloroform                                       | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 2-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |
| 4-Chlorotoluene                                  | ND     | 0.050    |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM  | 71585               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA19

Project: Bisti LF

Collection Date: 11/11/2022 12:50:00 PM

Lab ID: 2211751-019

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.10  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Dibromochloromethane        | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Dibromomethane              | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.10  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.10  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.10  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 2-Hexanone                  | ND     | 0.50  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Isopropylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.50  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| n-Propylbenzene             | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Styrene                     | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.10  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.10  |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Vinyl chloride              | ND     | 0.050 |      | mg/Kg | 1  | 11/21/2022 2:47:16 PM | 71585        |

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

|             |     |                                                                               |    |                                                 |
|-------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|             | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|             | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|             | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA19

Project: Bisti LF

Collection Date: 11/11/2022 12:50:00 PM

Lab ID: 2211751-019

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.10   |      | mg/Kg    | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Surr: Dibromofluoromethane         | 110    | 70-130 |      | %Rec     | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 91.6   | 70-130 |      | %Rec     | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Surr: Toluene-d8                   | 116    | 70-130 |      | %Rec     | 1  | 11/21/2022 2:47:16 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 101    | 70-130 |      | %Rec     | 1  | 11/21/2022 2:47:16 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.56   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA20

Project: Bisti LF

Collection Date: 11/11/2022 12:55:00 PM

Lab ID: 2211751-020

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch               |
|---------------------------------------|--------|----------|------|-------|----|------------------------|---------------------|
| <b>SW8270C</b>                        |        |          |      |       |    |                        | Analyst: <b>DAM</b> |
| Naphthalene                           | ND     | 0.0096   |      | mg/Kg | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| 1-Methylnaphthalene                   | ND     | 0.0096   |      | mg/Kg | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| 2-Methylnaphthalene                   | ND     | 0.0096   |      | mg/Kg | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| Benzo(a)pyrene                        | ND     | 0.019    |      | mg/Kg | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| Surr: Nitrobenzene-d5                 | 94.0   | 15-137   |      | %Rec  | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| Surr: 2-Fluorobiphenyl                | 88.5   | 15-121   |      | %Rec  | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| Surr: 4-Terphenyl-d14                 | 113    | 65.7-126 |      | %Rec  | 1  | 12/5/2022 7:41:00 PM   | 71550               |
| <b>EPA METHOD 300.0: ANIONS</b>       |        |          |      |       |    |                        | Analyst: <b>JMT</b> |
| Fluoride                              | 2.1    | 0.30     |      | mg/Kg | 1  | 11/28/2022 8:40:50 PM  | 71725               |
| Chloride                              | 12     | 1.5      |      | mg/Kg | 1  | 11/28/2022 8:40:50 PM  | 71725               |
| Nitrogen, Nitrate (As N)              | 20     | 0.30     |      | mg/Kg | 1  | 11/28/2022 8:40:50 PM  | 71725               |
| Sulfate                               | 260    | 30       |      | mg/Kg | 20 | 11/28/2022 8:53:14 PM  | 71725               |
| <b>EPA METHOD 6020A: TOTAL METALS</b> |        |          |      |       |    |                        | Analyst: <b>ELS</b> |
| Arsenic                               | 2.7    | 0.49     |      | mg/Kg | 5  | 11/20/2022 2:38:34 PM  | 71583               |
| Uranium                               | ND     | 0.49     |      | mg/Kg | 5  | 11/21/2022 3:01:00 PM  | 71583               |
| <b>EPA METHOD 7471B: MERCURY</b>      |        |          |      |       |    |                        | Analyst: <b>VP</b>  |
| Mercury                               | ND     | 0.033    |      | mg/Kg | 1  | 11/30/2022 3:50:00 PM  | 71735               |
| <b>EPA METHOD 6010B: SOIL METALS</b>  |        |          |      |       |    |                        | Analyst: <b>JRR</b> |
| Barium                                | 81     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Cadmium                               | ND     | 0.20     |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Calcium                               | 13000  | 2500     |      | mg/Kg | 50 | 12/2/2022 10:47:37 AM  | 71583               |
| Chromium                              | 4.1    | 0.59     |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Copper                                | ND     | 4.0      |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Iron                                  | 8000   | 490      |      | mg/Kg | 50 | 12/2/2022 10:47:37 AM  | 71583               |
| Lead                                  | 2.9    | 2.0      |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Magnesium                             | 1800   | 99       |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Manganese                             | 150    | 0.40     |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Potassium                             | 1200   | 99       |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Selenium                              | ND     | 4.9      |      | mg/Kg | 2  | 11/22/2022 1:21:33 PM  | 71583               |
| Silver                                | ND     | 0.99     |      | mg/Kg | 2  | 11/22/2022 1:21:33 PM  | 71583               |
| Sodium                                | 490    | 99       |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| Zinc                                  | 15     | 4.9      |      | mg/Kg | 2  | 11/22/2022 11:24:03 AM | 71583               |
| <b>EPA METHOD 8082A: PCB'S</b>        |        |          |      |       |    |                        | Analyst: <b>JME</b> |
| Aroclor 1016                          | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661               |
| Aroclor 1221                          | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661               |
| Aroclor 1232                          | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661               |
| Aroclor 1242                          | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661               |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA20

Project: Bisti LF

Collection Date: 11/11/2022 12:55:00 PM

Lab ID: 2211751-020

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                                         | Result | RL       | Qual | Units | DF | Date Analyzed          | Batch        |
|--------------------------------------------------|--------|----------|------|-------|----|------------------------|--------------|
| <b>EPA METHOD 8082A: PCB'S</b>                   |        |          |      |       |    |                        | Analyst: JME |
| Aroclor 1248                                     | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661        |
| Aroclor 1254                                     | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661        |
| Aroclor 1260                                     | ND     | 0.017    |      | mg/Kg | 1  | 12/1/2022 11:47:56 AM  | 71661        |
| Surr: Decachlorobiphenyl                         | 100    | 47.2-115 |      | %Rec  | 1  | 12/1/2022 11:47:56 AM  | 71661        |
| Surr: Tetrachloro-m-xylene                       | 92.8   | 15-110   |      | %Rec  | 1  | 12/1/2022 11:47:56 AM  | 71661        |
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    |                        | Analyst: DGH |
| Diesel Range Organics (DRO)                      | ND     | 15       |      | mg/Kg | 1  | 11/22/2022 11:47:06 PM | 71615        |
| Motor Oil Range Organics (MRO)                   | ND     | 49       |      | mg/Kg | 1  | 11/22/2022 11:47:06 PM | 71615        |
| Surr: DNOP                                       | 110    | 21-129   |      | %Rec  | 1  | 11/22/2022 11:47:06 PM | 71615        |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    |                        | Analyst: CCM |
| Gasoline Range Organics (GRO)                    | ND     | 4.9      |      | mg/Kg | 1  | 11/22/2022 2:04:00 AM  | 71585        |
| Surr: BFB                                        | 151    | 37.7-212 |      | %Rec  | 1  | 11/22/2022 2:04:00 AM  | 71585        |
| <b>EPA METHOD 8260B: VOLATILES</b>               |        |          |      |       |    |                        | Analyst: RAA |
| Benzene                                          | ND     | 0.025    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Toluene                                          | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Ethylbenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Methyl tert-butyl ether (MTBE)                   | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 1,2,4-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 1,3,5-Trimethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 1,2-Dichloroethane (EDC)                         | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 1,2-Dibromoethane (EDB)                          | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Naphthalene                                      | ND     | 0.098    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 1-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 2-Methylnaphthalene                              | ND     | 0.20     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Acetone                                          | ND     | 0.74     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Bromobenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Bromodichloromethane                             | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Bromoform                                        | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Bromomethane                                     | ND     | 0.15     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 2-Butanone                                       | ND     | 0.49     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Carbon disulfide                                 | ND     | 0.49     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Carbon tetrachloride                             | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Chlorobenzene                                    | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Chloroethane                                     | ND     | 0.098    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Chloroform                                       | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| Chloromethane                                    | ND     | 0.15     |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 2-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |
| 4-Chlorotoluene                                  | ND     | 0.049    |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM  | 71585        |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA20

Project: Bisti LF

Collection Date: 11/11/2022 12:55:00 PM

Lab ID: 2211751-020

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                    | Result | RL    | Qual | Units | DF | Date Analyzed         | Batch        |
|-----------------------------|--------|-------|------|-------|----|-----------------------|--------------|
| EPA METHOD 8260B: VOLATILES |        |       |      |       |    |                       | Analyst: RAA |
| cis-1,2-DCE                 | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| cis-1,3-Dichloropropene     | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,2-Dibromo-3-chloropropane | ND     | 0.098 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Dibromochloromethane        | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Dibromomethane              | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,2-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,3-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,4-Dichlorobenzene         | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Dichlorodifluoromethane     | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1-Dichloroethane          | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1-Dichloroethene          | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,2-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,3-Dichloropropane         | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 2,2-Dichloropropane         | ND     | 0.098 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1-Dichloropropene         | ND     | 0.098 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Hexachlorobutadiene         | ND     | 0.098 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 2-Hexanone                  | ND     | 0.49  |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Isopropylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 4-Isopropyltoluene          | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 4-Methyl-2-pentanone        | ND     | 0.49  |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Methylene chloride          | ND     | 0.15  |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| n-Butylbenzene              | ND     | 0.15  |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| n-Propylbenzene             | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| sec-Butylbenzene            | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Styrene                     | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| tert-Butylbenzene           | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1,1,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Tetrachloroethene (PCE)     | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| trans-1,2-DCE               | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| trans-1,3-Dichloropropene   | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,2,3-Trichlorobenzene      | ND     | 0.098 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,2,4-Trichlorobenzene      | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1,1-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,1,2-Trichloroethane       | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Trichloroethene (TCE)       | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Trichlorofluoromethane      | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| 1,2,3-Trichloropropane      | ND     | 0.098 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Vinyl chloride              | ND     | 0.049 |      | mg/Kg | 1  | 11/21/2022 3:14:14 PM | 71585        |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2211751

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: HA20

Project: Bisti LF

Collection Date: 11/11/2022 12:55:00 PM

Lab ID: 2211751-020

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

| Analyses                           | Result | RL     | Qual | Units    | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|----------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |          |    |                       | Analyst: RAA |
| Xylenes, Total                     | ND     | 0.098  |      | mg/Kg    | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Surr: Dibromofluoromethane         | 113    | 70-130 |      | %Rec     | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Surr: 1,2-Dichloroethane-d4        | 97.1   | 70-130 |      | %Rec     | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Surr: Toluene-d8                   | 109    | 70-130 |      | %Rec     | 1  | 11/21/2022 3:14:14 PM | 71585        |
| Surr: 4-Bromofluorobenzene         | 101    | 70-130 |      | %Rec     | 1  | 11/21/2022 3:14:14 PM | 71585        |
| <b>SM4500H+B/EPA 9040C</b>         |        |        |      |          |    |                       | Analyst: SNS |
| pH                                 | 8.77   |        |      | pH Units | 1  | 11/28/2022 4:12:00 PM | R92846       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | H   | Holding times for preparation or analysis exceeded                            | J  | Analyte detected below quantitation limits      |
|                    | ND  | Not Detected at the Reporting Limit                                           | P  | Sample pH Not In Range                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## ANALYTICAL REPORT

November 28, 2022

Revised Report

**Hall Environmental Analysis Laboratory**

Sample Delivery Group: L1557863

Samples Received: 11/15/2022

Project Number:

Description:

Report To: Andy Freeman  
4901 Hawkins NE  
Albuquerque, NM 87109

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

A blue ink signature of Jason Romer, written in a cursive style.

Jason Romer  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the 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.

**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com



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

2211751-001B HA1 L1557863-01 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:10      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1959474 | 1        | 11/16/22 08:03        | 11/16/22 22:06     | CAT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 14:53     | LDT                 | Mt. Juliet, TN     |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

2211751-002B HA2 L1557863-02 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:15      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1959474 | 1        | 11/16/22 08:03        | 11/16/22 22:07     | CAT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 14:55     | LDT                 | Mt. Juliet, TN     |

2211751-003B HA3 L1557863-03 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:17      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1959474 | 1        | 11/16/22 08:03        | 11/16/22 22:08     | CAT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 14:58     | LDT                 | Mt. Juliet, TN     |

2211751-004B HA4 L1557863-04 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:20      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1959474 | 1        | 11/16/22 08:03        | 11/16/22 22:09     | CAT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 14:58     | LDT                 | Mt. Juliet, TN     |

2211751-005B HA5 L1557863-05 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:30      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1959474 | 1        | 11/16/22 08:03        | 11/16/22 22:11     | CAT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 14:59     | LDT                 | Mt. Juliet, TN     |

2211751-006B HA6 L1557863-06 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:32      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 15:51     | LDT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:00     | LDT                 | Mt. Juliet, TN     |

2211751-007B HA7 L1557863-07 Solid

|                               |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                               |           |          |                       |                    | 11/11/22 11:34      | 11/15/22 09:00     |
| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 15:52     | LDT                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:01     | LDT                 | Mt. Juliet, TN     |

2211751-008B HA8 L1557863-08 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 11:36  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 15:56     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:02     | LDT     | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

2211751-009B HA9 L1557863-09 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 11:45  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 15:58     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:12     | LDT     | Mt. Juliet, TN |

2211751-010B HA10 L1557863-10 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 11:50  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 15:59     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:03     | LDT     | Mt. Juliet, TN |

2211751-011B HA11 L1557863-11 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 11:55  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:00     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:04     | LDT     | Mt. Juliet, TN |

2211751-012B HA12 L1557863-12 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 12:00  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:01     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:05     | LDT     | Mt. Juliet, TN |

2211751-013B HA13 L1557863-13 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 12:10  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:02     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:07     | LDT     | Mt. Juliet, TN |

2211751-014B HA14 L1557863-14 Solid

Collected by  
Collected date/time  
Received date/time

11/11/22 12:15  
11/15/22 09:00

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:03     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:08     | LDT     | Mt. Juliet, TN |

2211751-015B HA15 L1557863-15 Solid

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:04     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:09     | LDT     | Mt. Juliet, TN |

Collected by  
Collected date/time  
Received date/time

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

2211751-016B HA16 L1557863-16 Solid

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:06     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:09     | LDT     | Mt. Juliet, TN |

Collected by  
Collected date/time  
Received date/time

2211751-017B HA17 L1557863-17 Solid

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:09     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:10     | LDT     | Mt. Juliet, TN |

Collected by  
Collected date/time  
Received date/time

2211751-018B HA18 L1557863-18 Solid

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:10     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:11     | LDT     | Mt. Juliet, TN |

Collected by  
Collected date/time  
Received date/time

2211751-019B HA19 L1557863-19 Solid

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:11     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1958244 | 1        | 11/17/22 08:12        | 11/17/22 15:12     | LDT     | Mt. Juliet, TN |

Collected by  
Collected date/time  
Received date/time

2211751-020B HA20 L1557863-20 Solid

| Method                        | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9012B | WG1960612 | 1        | 11/18/22 08:14        | 11/19/22 16:12     | LDT     | Mt. Juliet, TN |
| Wet Chemistry by Method 9066  | WG1960609 | 1        | 11/23/22 10:49        | 11/23/22 13:45     | CAT     | Mt. Juliet, TN |

Collected by  
Collected date/time  
Received date/time

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.



Jason Romer  
Project Manager

### Report Revision History

---

Level II Report - Version 1: 11/23/22 19:20

### Project Narrative

---

Revised Sample IDs

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9012B

|         | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                     |
|---------|--------|-----------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |           | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/16/2022 22:06 | <a href="#">WG1959474</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                     |
|----------------------|--------|-----------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |           | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |           | 0.220 | 0.670 | 1        | 11/17/2022 14:53 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|-------------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          |                         |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/16/2022 22:07        | <a href="#">WG1959474</a> |

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|-------------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          |                         |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 14:55        | <a href="#">WG1958244</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 11/11/22 11:17

L1557863

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/16/2022 22:08 | <a href="#">WG1959474</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 14:58 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/16/2022 22:09 | <a href="#">WG1959474</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 14:58 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Collected date/time: 11/11/22 11:30

L1557863

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/16/2022 22:11 | <a href="#">WG1959474</a> |

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 14:59 | <a href="#">WG1958244</a> |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Collected date/time: 11/11/22 11:32

L1557863

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|-------|----------|----------------------|---------------------------|
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 15:51     | <a href="#">WG1960612</a> |

<sup>1</sup> Cp<sup>2</sup> Tc

## Wet Chemistry by Method 9066

| Analyte              | Result | Qualifier | MDL   | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|-----------|-------|-------|----------|----------------------|---------------------------|
| Total Phenol by 4AAP | U      |           | 0.220 | 0.670 | 1        | 11/17/2022 15:00     | <a href="#">WG1958244</a> |

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

Collected date/time: 11/11/22 11:34

L1557863

Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|-------|----------|----------------------|---------------------------|
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 15:52     | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

| Analyte              | Result | Qualifier | MDL   | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|-----------|-------|-------|----------|----------------------|---------------------------|
| Total Phenol by 4AAP | U      |           | 0.220 | 0.670 | 1        | 11/17/2022 15:01     | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 15:56 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:02 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Collected date/time: 11/11/22 11:45

L1557863

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 15:58 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:12 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Collected date/time: 11/11/22 11:50

L1557863

## Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 15:59 | <a href="#">WG1960612</a> |

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

## Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:03 | <a href="#">WG1958244</a> |

Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|-------|----------|----------------------|---------------------------|
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 16:00     | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

| Analyte              | Result | Qualifier | MDL   | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|-----------|-------|-------|----------|----------------------|---------------------------|
| Total Phenol by 4AAP | U      |           | 0.220 | 0.670 | 1        | 11/17/2022 15:04     | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 16:01 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:05 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 16:02 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:07 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 16:03 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:08 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Collected date/time: 11/11/22 12:20

L1557863

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|-------|----------|----------------------|---------------------------|
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 16:04     | <a href="#">WG1960612</a> |

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

## Wet Chemistry by Method 9066

| Analyte              | Result | Qualifier         | MDL   | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|-------------------|-------|-------|----------|----------------------|---------------------------|
| Total Phenol by 4AAP | 2.82   | <a href="#">B</a> | 0.220 | 0.670 | 1        | 11/17/2022 15:09     | <a href="#">WG1958244</a> |

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 16:06 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:09 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

|         | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                     |
|---------|--------|-----------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |           | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 16:09 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                     |
|----------------------|--------|-----------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |           | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |           | 0.220 | 0.670 | 1        | 11/17/2022 15:10 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

|         | Result | <u>Qualifier</u> | MDL    | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|---------|--------|------------------|--------|-------|----------|------------------|---------------------------|
| Analyte | mg/kg  |                  | mg/kg  | mg/kg |          | date / time      |                           |
| Cyanide | U      |                  | 0.0733 | 0.250 | 1        | 11/19/2022 16:10 | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

|                      | Result | <u>Qualifier</u> | MDL   | RDL   | Dilution | Analysis         | <u>Batch</u>              |
|----------------------|--------|------------------|-------|-------|----------|------------------|---------------------------|
| Analyte              | mg/kg  |                  | mg/kg | mg/kg |          | date / time      |                           |
| Total Phenol by 4AAP | U      |                  | 0.220 | 0.670 | 1        | 11/17/2022 15:11 | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|-------|----------|----------------------|---------------------------|
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 16:11     | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

| Analyte              | Result | Qualifier | MDL   | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|-----------|-------|-------|----------|----------------------|---------------------------|
| Total Phenol by 4AAP | U      |           | 0.220 | 0.670 | 1        | 11/17/2022 15:12     | <a href="#">WG1958244</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|-------|----------|----------------------|---------------------------|
| Cyanide | U      |           | 0.0733 | 0.250 | 1        | 11/19/2022 16:12     | <a href="#">WG1960612</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 9066

| Analyte              | Result | Qualifier            | MDL   | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------------------|-------|-------|----------|----------------------|---------------------------|
| Total Phenol by 4AAP | 0.293  | <a href="#">J P1</a> | 0.220 | 0.670 | 1        | 11/23/2022 13:45     | <a href="#">WG1960609</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3861922-1 11/16/22 21:39

| Analyte | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Cyanide | U                  |              | 0.0733          | 0.250           |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1556828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1556828-01 11/16/22 21:44 • (DUP) R3861922-3 11/16/22 21:45

| Analyte | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|---------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Cyanide | U                        | U                   | 1        | 0.000        |               | 20                     |

L1557254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1557254-01 11/16/22 21:51 • (DUP) R3861922-4 11/16/22 21:52

| Analyte | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|---------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Cyanide | U                        | U                   | 1        | 0.000        |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3861922-2 11/16/22 21:40

| Analyte | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Cyanide | 2.50                  | 2.45                | 98.0          | 85.0-115         |               |

L1557483-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1557483-01 11/16/22 21:57 • (MS) R3861922-5 11/16/22 21:58 • (MSD) R3861922-6 11/16/22 21:59

| Analyte | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Cyanide | 1.67                  | U                        | 1.59               | 1.59                | 95.4         | 95.6          | 1        | 75.0-125         |              |               | 0.209    | 20              |



Wet Chemistry by Method 9012B

[L1557863-06,07,08,09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3863086-1 11/19/22 15:44

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | mg/kg     |              | mg/kg  | mg/kg  |
| Cyanide | U         |              | 0.0733 | 0.250  |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1557863-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1557863-07 11/19/22 15:52 • (DUP) R3863086-5 11/19/22 15:53

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg           | mg/kg      |          | %       |               | %              |
| Cyanide | U               | U          | 1        | 0.000   |               | 20             |

L1557863-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1557863-08 11/19/22 15:56 • (DUP) R3863086-6 11/19/22 15:57

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg           | mg/kg      |          | %       |               | %              |
| Cyanide | U               | U          | 1        | 0.000   |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3863086-2 11/19/22 15:45

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg        | mg/kg      | %        | %           |               |
| Cyanide | 2.50         | 2.43       | 97.3     | 85.0-115    |               |

L1556745-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1556745-01 11/19/22 15:48 • (MS) R3863086-3 11/19/22 15:49 • (MSD) R3863086-4 11/19/22 15:50

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/kg        | mg/kg           | mg/kg     | mg/kg      | %       | %        |          | %           |              |               | %    | %          |
| Cyanide | 1.67         | 3.67            | 3.82      | 4.42       | 8.74    | 44.8     | 1        | 75.0-125    | E J6         | E J6          | 14.6 | 20         |

Sample Narrative:

- MS: Matrix spike failure due to matrix interference.
- MSD: Matrix spike failure due to matrix interference.

Wet Chemistry by Method 9066

L1557863-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19

Method Blank (MB)

(MB) R3862346-1 11/17/22 14:48

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| Total Phenol by 4AAP | 0.339              | ⬇            | 0.220           | 0.670           |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1557538-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1557538-01 11/17/22 14:50 • (DUP) R3862346-3 11/17/22 14:51

| Analyte              | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------------------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Total Phenol by 4AAP | 0.526                    | 0.221               | 1        | 0.000        |               | 20                     |

L1557863-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1557863-01 11/17/22 14:53 • (DUP) R3862346-6 11/17/22 14:54

| Analyte              | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------------------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Total Phenol by 4AAP | U                        | U                   | 1        | 0.000        |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3862346-2 11/17/22 14:49

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Total Phenol by 4AAP | 8.33                  | 9.17                | 110           | 72.1-129         |               |

L1557538-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1557538-01 11/17/22 14:50 • (MS) R3862346-4 11/17/22 14:51 • (MSD) R3862346-5 11/17/22 14:52

| Analyte              | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Total Phenol by 4AAP | 16.7                  | 0.526                    | 4.05               | 4.85                | 21.1         | 25.9          | 1        | 15.4-151         |              |               | 17.9     | 20              |

L1557863-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1557863-01 11/17/22 14:53 • (MS) R3862346-7 11/17/22 14:55

| Analyte              | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MS Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier |
|----------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|--------------|
| Total Phenol by 4AAP | 16.7                  | U                        | 16.2               | 96.8         | 1        | 15.4-151         |              |

Method Blank (MB)

(MB) R3864582-1 11/23/22 13:43

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| Total Phenol by 4AAP | U                  |              | 0.220           | 0.670           |

L1557863-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1557863-20 11/23/22 13:45 • (DUP) R3864582-3 11/23/22 13:45

| Analyte              | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------------------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Total Phenol by 4AAP | 0.293                    | U                   | 1        | 41.6         | P1            | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3864582-2 11/23/22 13:44

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Total Phenol by 4AAP | 8.33                  | 8.51                | 102           | 72.1-129         |               |

L1557863-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1557863-20 11/23/22 13:45 • (MS) R3864582-4 11/23/22 13:46 • (MSD) R3864582-5 11/23/22 13:47

| Analyte              | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Total Phenol by 4AAP | 16.7                  | 0.293                    | 14.6               | 14.6                | 85.9         | 85.7          | 1        | 15.4-151         |              |               | 0.284    | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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

|    |                                                                                                                                             |
|----|---------------------------------------------------------------------------------------------------------------------------------------------|
| B  | The same analyte is found in the associated blank.                                                                                          |
| E  | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J  | The identification of the analyte is acceptable; the reported value is an estimate.                                                         |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low.                                       |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit.                                                   |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 923         | North Dakota                | R-140            |
| Idaho                          | TN00003     | Ohio--VAP                   | CL0069           |
| Illinois                       | 200008      | Oklahoma                    | 9915             |
| Indiana                        | C-TN-01     | Oregon                      | TN200002         |
| Iowa                           | 364         | Pennsylvania                | 68-02979         |
| Kansas                         | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP, LLC EMLAP         | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

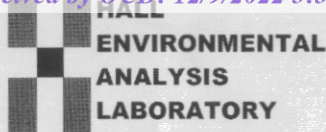
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* 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 Analytical.

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





## CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 2

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

E204

|                                               |  |                         |  |                              |  |                            |  |
|-----------------------------------------------|--|-------------------------|--|------------------------------|--|----------------------------|--|
| SUB CONTRACTOR: <b>Pace TN</b>                |  | COMPANY: <b>PACE TN</b> |  | PHONE: <b>(800) 767-5859</b> |  | FAX: <b>(615) 758-5859</b> |  |
| ADDRESS: <b>12065 Lebanon Rd</b>              |  |                         |  | ACCOUNT #:                   |  | EMAIL:                     |  |
| CITY, STATE, ZIP: <b>Mt. Juliet, TN 37122</b> |  |                         |  |                              |  |                            |  |

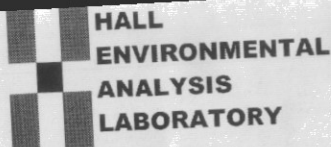
| ITEM | SAMPLE       | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | COLLECTION DATE        | # CONTAINERS | ANALYTICAL COMMENTS                                |
|------|--------------|------------------|-------------|--------|------------------------|--------------|----------------------------------------------------|
| 1    | 2211751-001B | HA1              | 4OZGU       | Soil   | 11/11/2022 11:10:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 01 |
| 2    | 2211751-002B | HA2              | 4OZGU       | Soil   | 11/11/2022 11:15:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 02 |
| 3    | 2211751-003B | HA3              | 4OZGU       | Soil   | 11/11/2022 11:17:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 03 |
| 4    | 2211751-004B | HA4              | 4OZGU       | Soil   | 11/11/2022 11:20:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 04 |
| 5    | 2211751-005B | HA5              | 4OZGU       | Soil   | 11/11/2022 11:30:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 05 |
| 6    | 2211751-006B | HA6              | 4OZGU       | Soil   | 11/11/2022 11:32:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 06 |
| 7    | 2211751-007B | HA7              | 4OZGU       | Soil   | 11/11/2022 11:34:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 07 |
| 8    | 2211751-008B | HA8              | 4OZGU       | Soil   | 11/11/2022 11:36:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 08 |
| 9    | 2211751-009B | HA9              | 4OZGU       | Soil   | 11/11/2022 11:45:00 AM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 09 |
| 10   | 2211751-010B | HA10             | 4OZGU       | Soil   | 11/11/2022 11:50:00 PM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 10 |
| 11   | 2211751-011B | HA11             | 4OZGU       | Soil   | 11/11/2022 11:55:00 PM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 11 |
| 12   | 2211751-012B | HA12             | 4OZGU       | Soil   | 11/11/2022 12:00:00 PM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 12 |
| 13   | 2211751-013B | HA13             | 4OZGU       | Soil   | 11/11/2022 12:10:00 PM | 1            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 13 |

## SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

|                                                                                                                                                            |                  |                |                                |                |            |                                                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|--------------------------------|----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|--|
| Relinquished By: <i>Ch</i>                                                                                                                                 | Date: 11/14/2022 | Time: 10:11 AM | Received By: <i>Julia J...</i> | Date: 11-15-22 | Time: 0800 | REPORT TRANSMITTAL DESIRED:                                                                                                                |  |
| Relinquished By:                                                                                                                                           | Date:            | Time:          | Received By:                   | Date:          | Time:      | <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE |  |
| Relinquished By:                                                                                                                                           | Date:            | Time:          | Received By:                   | Date:          | Time:      | FOR LAB USE ONLY                                                                                                                           |  |
| TAT: Standard <input checked="" type="checkbox"/> RUSH    Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> |                  |                |                                |                |            | Temp of samples _____ °C    Attempt to Cool? _____                                                                                         |  |
|                                                                                                                                                            |                  |                |                                |                |            | Comments: _____                                                                                                                            |  |





## CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

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

|                                               |              |                  |                         |        |                        |                              |                                                    |                            |  |
|-----------------------------------------------|--------------|------------------|-------------------------|--------|------------------------|------------------------------|----------------------------------------------------|----------------------------|--|
| SUB CONTRACTOR: <b>Pace TN</b>                |              |                  | COMPANY: <b>PACE TN</b> |        |                        | PHONE: <b>(800) 767-5859</b> |                                                    | FAX: <b>(615) 758-5859</b> |  |
| ADDRESS: <b>12065 Lebanon Rd</b>              |              |                  |                         |        |                        | ACCOUNT #:                   |                                                    |                            |  |
| CITY, STATE, ZIP: <b>Mt. Juliet, TN 37122</b> |              |                  |                         |        |                        | EMAIL:                       |                                                    |                            |  |
| ITEM                                          | SAMPLE       | CLIENT SAMPLE ID | BOTTLE TYPE             | MATRIX | COLLECTION DATE        | # CONTAINERS                 | ANALYTICAL COMMENTS                                |                            |  |
| 14                                            | 2211751-014B | HA14             | 4OZGU                   | Soil   | 11/11/2022 12:15:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 14 |                            |  |
| 15                                            | 2211751-015B | HA15             | 4OZGU                   | Soil   | 11/11/2022 12:20:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 15 |                            |  |
| 16                                            | 2211751-016B | HA16             | 4OZGU                   | Soil   | 11/11/2022 12:25:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 16 |                            |  |
| 17                                            | 2211751-017B | HA17             | 4OZGU                   | Soil   | 11/11/2022 12:40:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 17 |                            |  |
| 18                                            | 2211751-018B | HA18             | 4OZGU                   | Soil   | 11/11/2022 12:45:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 18 |                            |  |
| 19                                            | 2211751-019B | HA19             | 4OZGU                   | Soil   | 11/11/2022 12:50:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 19 |                            |  |
| 20                                            | 2211751-020B | HA20             | 4OZGU                   | Soil   | 11/11/2022 12:55:00 PM | 1                            | Cyanide, Phenols by 9066, Alkalinity, RA226/228 20 |                            |  |

## 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: <i>Ch</i>                                                                                                   | Date: 11/14/2022 | Time: 10:11 AM | Received By: | Date: | Time: | REPORT TRANSMITTAL DESIRED:                                                                                                                |  |
| Relinquished By:                                                                                                             | Date:            | Time:          | Received By: | Date: | Time: | <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE |  |
| Relinquished By:                                                                                                             | Date:            | Time:          | Received By: | Date: | Time: | FOR LAB USE ONLY                                                                                                                           |  |
| TAT: Standard <i>φ</i> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> |                  |                |              |       |       | Temp of samples _____ °C Attempt to Cool? _____                                                                                            |  |
|                                                                                                                              |                  |                |              |       |       | Comments: _____                                                                                                                            |  |



**Jones, Brad, EMNRD**

---

**From:** Jones, Brad, EMNRD  
**Sent:** Tuesday, March 26, 2024 8:58 AM  
**To:** Luka, Kateri A.; Stuart Hyde  
**Subject:** NM2-10 Bista Landfarm Release Response Action Plan  
**Attachments:** 2024 0326 NM2-10 Western Refining Company LP release response plan approval signed.pdf

Kateri and Stuart,

Please see the attached. OCD has completed the review of the December 22, 2022, Release Response Action Plan. If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Brad Jones

**Brad A. Jones** Environmental Scientist Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 S. Saint Francis Drive | Santa Fe, New Mexico 87505  
(505) 469-7486 | [brad.a.jones@emnrd.nm.gov](mailto:brad.a.jones@emnrd.nm.gov)  
[www.emnrd.nm.gov](http://www.emnrd.nm.gov)

State of New Mexico  
Energy, Minerals and Natural Resources Department

---

**Michelle Lujan Grisham**  
Governor

**Dylan M. Fuge**  
Deputy Secretary

**Dylan Fuge**, Division Director (Acting)  
**Oil Conservation Division**



**BY ELECTRONIC MAIL**

March 26, 2024

Ms. Kateri Luka  
Western Refining Company LP  
111 County Road 4990  
Bloomfield, New Mexico 87413  
[kaluka@marathonpetroleum.com](mailto:kaluka@marathonpetroleum.com)

**RE: Release Response Action Plan**  
**Western Refining Company LP – OGRID # 264727**  
**Bisti Landfarm – NM2-010**  
**Location: NW/4 SE/4 of Section 16, Township 25 North, Range 12 West, NMPM,**  
**San Juan County, New Mexico**

Dear Ms. Luka:

The Oil Conservation Division (OCD) has completed our review of Western Refining Company LP's (Western) vadose zone Release Response Action Plan, Dated December 22, 2022, for existing centralized surface waste management facility Permit NM2-10. The OCD hereby grants Western approval of the December 22, 2022, vadose zone Release Response Action Plan, with the following understandings and conditions:

1. Western shall comply with all applicable requirements of the Oil and Gas Act (Chapter 70, Article 2 NMSA 1978), the existing permit NM2-010, the transitional provisions of 19.15.36.20 NMAC, and all conditions specified in this approval;
2. Western shall comply with the applicable requirements of 19.15.29 NMAC;
3. Western must also address the exceedances of Manganese demonstrated on Table 5 for samples HA08, HA14, HA17 and HA19, ranging from 160 to 190 mg/kg that were not recognized in the written assessment and/or Table 5 of exceeding the facility background concentration of 150 mg/kg;

Western Refining Company LP  
Permit NM2-10  
March 26, 2024  
Page 2 of 2

4. Western must demonstrate compliance of the requirements of 19.15.29 NMAC (Part 29) by submitting a copy of OCD's approval of the C-141 for closure into OCD Permitting as a [C-137] Non-Fee SWMF Submittal; and
5. Western shall obtain written approval from OCD prior to implementing any changes to the December 22, 2022, vadose zone Release Response Action Plan.

Please be advised that approval of this request does not relieve Western of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Western of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 469-7486 or [brad.a.jones@emnrd.nm.gov](mailto:brad.a.jones@emnrd.nm.gov).

Respectfully,



Brad A. Jones  
Environmental Specialist - Advanced

cc: Stuart Hyde, Ensolum, LLC, [shyde@ensolum.com](mailto:shyde@ensolum.com)

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 165834

CONDITIONS

|                                                                                           |                                                                         |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Operator:<br>Western Refining Southwest LLC<br>539 South Main Street<br>Findlay, OH 45840 | OGRID:<br>267595                                                        |
|                                                                                           | Action Number:<br>165834                                                |
|                                                                                           | Action Type:<br>[C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL) |

CONDITIONS

| Created By | Condition                                                                                                                                                                  | Condition Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| bjones     | OCD emailed the approval of the release response action plan to Kateri Luka (Western/Marathon) and Stuart Hyde (Ensolum) on March 26, 2024. Please see the OCD's Response. | 3/26/2024      |