

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 11/04/24             |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 11/05/24             |
| Client Sample ID:  | WB-307-SB01                  | SDG No.:        | P4718                |
| Lab Sample ID:     | P4718-01                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 78                   |
| Sample Wt/Vol:     | 30.06      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD048676.D | 1         | 11/08/24    | 11/08/24        | PB164790      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.38  | U         | 0.38     | 0.85       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 5.14  |           | 0.44     | 1.28       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 1.85  | J         | 1.23     | 2.13       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 2.94  | J         | 2.56     | 3.41       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 41.5  |           | 40 - 140 | 83%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 33.7  |           | 40 - 140 | 67%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.4  |           | 40 - 140 | 57%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | P4718-01    | Acq On:            | 08 Nov 2024 18:08 |
| Client Sample ID: | WB-307-SB01 | Operator:          | YP/AJ             |
| Data file:        | FD048676.D  | Misc:              |                   |
| Instrument:       | FID_D       | ALS Vial:          | 59                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.092  | 5.810  | 477690   | 2.711   | 200              | ug/ml |
| Aromatic C12-C16          | 5.811  | 8.415  | 10679892 | 60.245  | 300              | ug/ml |
| Aromatic C16-C21          | 8.416  | 12.678 | 3553615  | 21.691  | 500              | ug/ml |
| Aromatic C21-C36          | 12.679 | 18.083 | 5254713  | 34.409  | 800              | ug/ml |
| Aromatic EPH              | 4.092  | 18.083 | 19965910 | 119.056 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.254 | 11.254 | 4831009  | 28.36   |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.369  | 7.369  | 6306207  | 41.55   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.219  | 8.219  | 3305686  | 33.67   |                  | ug/ml |