

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 04/05/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 04/07/25             |
| Client Sample ID:  | B-149-SB01                   | SDG No.:        | Q1746                |
| Lab Sample ID:     | Q1746-01                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 89.3                 |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD049274.D | 1         | 04/08/25    | 04/10/25        | PB167513      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.48  | J         | 0.13     | 0.75       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.47  | J         | 0.26     | 1.12       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 3.58  |           | 0.45     | 1.87       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 3.46  |           | 1.33     | 2.98       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 38.1  |           | 40 - 140 | 76%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 32.5  |           | 40 - 140 | 65%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 32.2  |           | 40 - 140 | 64%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1746-01   | Acq On:            | 10 Apr 2025 17:53 |
| Client Sample ID: | B-149-SB01 | Operator:          | YP/AJ             |
| Data file:        | FD049274.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 66                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc    | highest_standard | Units |
|----------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.440  | 6.185  | 1017917  | 6.492   | 200              | ug/ml |
| Aromatic C12-C16           | 6.186  | 8.813  | 1066324  | 6.264   | 300              | ug/ml |
| Aromatic C16-C21           | 8.814  | 13.102 | 8051228  | 48.009  | 500              | ug/ml |
| Aromatic C21-C36           | 13.103 | 18.519 | 6415020  | 46.438  | 800              | ug/ml |
| Aromatic EPH               | 4.440  | 18.519 | 16550489 | 107.204 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.749  | 7.749  | 5645993  | 38.11   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.615  | 8.615  | 3309950  | 32.45   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.657 | 11.657 | 5676156  | 32.22   |                  | ug/ml |