

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 05/31/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 06/02/25             |
| Client Sample ID:  | B-187-SB02                   | SDG No.:        | Q2177                |
| Lab Sample ID:     | Q2177-04                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 62.8                 |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD049460.D | 1         | 06/11/25    | 06/12/25        | PB168408      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.74  | J         | 0.19     | 1.06       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.58  | J         | 0.37     | 1.59       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 7.19  |           | 0.64     | 2.65       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 5.81  |           | 1.89     | 4.24       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 36.9  |           | 40 - 140 | 74%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 35.9  |           | 40 - 140 | 72%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.2  |           | 40 - 140 | 74%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2177-04   | Acq On:            | 12 Jun 2025 14:21 |
| Client Sample ID: | B-187-SB02 | Operator:          | YP/AJ             |
| Data file:        | FD049460.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 63                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc    | highest_standard | Units |
|----------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.424  | 6.168  | 1159141  | 6.927   | 200              | ug/ml |
| Aromatic C12-C16           | 6.169  | 8.797  | 1031347  | 5.5     | 300              | ug/ml |
| Aromatic C16-C21           | 8.798  | 13.088 | 12510638 | 67.72   | 500              | ug/ml |
| Aromatic C21-C36           | 13.089 | 18.510 | 7942940  | 54.757  | 800              | ug/ml |
| Aromatic EPH               | 4.424  | 18.510 | 22644066 | 134.904 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.733  | 7.733  | 6129577  | 36.87   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.599  | 8.599  | 4107675  | 35.91   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.646 | 11.646 | 7466601  | 37.2    |                  | ug/ml |