

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | B-187-SB01MS                 | SDG No.:        | Q2177                |
| Lab Sample ID:     | Q2177-02MS                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 84.2                 |
| Sample Wt/Vol:     | 30.03      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD049484.D | 1         | 06/11/25    | 06/13/25        | PB168408      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 2.67  |           | 0.14     | 0.79       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 4.47  |           | 0.27     | 1.19       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 10.5  |           | 0.48     | 1.98       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 15.7  |           | 1.41     | 3.16       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 37.8  |           | 40 - 140 | 76%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 37.0  |           | 40 - 140 | 74%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 32.5  |           | 40 - 140 | 65%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q2177-02MS   | Acq On:            | 13 Jun 2025 09:48 |
| Client Sample ID: | B-187-SB01MS | Operator:          | YP/AJ             |
| Data file:        | FD049484.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  | 5645060  | 33.733  | 200              | ug/ml |
| Aromatic C12-C16           | 6.169  | 8.796  | 10587299 | 56.458  | 300              | ug/ml |
| Aromatic C16-C21           | 8.797  | 13.086 | 24624254 | 133.291 | 500              | ug/ml |
| Aromatic C21-C36           | 13.087 | 18.508 | 28854300 | 198.916 | 800              | ug/ml |
| Aromatic EPH               | 4.424  | 18.508 | 69710913 | 422.398 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.733  | 7.733  | 6278432  | 37.77   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.598  | 8.598  | 4233429  | 37.01   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.644 | 11.644 | 6518438  | 32.48   |                  | ug/ml |