

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB168408BSD                  | SDG No.:        | Q2177                |
| Lab Sample ID:     | PB168408BSD                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| 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 |
| FD049434.D | 1         | 06/11/25    | 06/11/25        | PB168408      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 2.95  |           | 0.12     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 4.68  |           | 0.23     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 9.01  |           | 0.40     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 17.5  |           | 1.19     | 2.66       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 33.5  |           | 40 - 140 | 67%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 33.1  |           | 40 - 140 | 66%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.3  |           | 40 - 140 | 57%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB168408BSD | Acq On:            | 11 Jun 2025 17:57 |
| Client Sample ID: | PB168408BSD | Operator:          | YP/AJ             |
| Data file:        | FD049434.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  | 7419926  | 44.339  | 200              | ug/ml |
| Aromatic C12-C16           | 6.169  | 8.797  | 13190807 | 70.341  | 300              | ug/ml |
| Aromatic C16-C21           | 8.798  | 13.088 | 25003970 | 135.346 | 500              | ug/ml |
| Aromatic C21-C36           | 13.089 | 18.509 | 38067969 | 262.433 | 800              | ug/ml |
| Aromatic EPH               | 4.424  | 18.509 | 83682672 | 512.46  |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.732  | 7.732  | 5575880  | 33.54   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.598  | 8.598  | 3792496  | 33.15   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.643 | 11.643 | 5678306  | 28.29   |                  | ug/ml |