

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | B-149-SB01MS                 | SDG No.:        | Q1744        |
| Lab Sample ID:     | Q1746-01MS                   | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 89.3         |
| Sample Wt/Vol:     | 30.03      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/08/25 10:10 | 04/09/25 7:09   | PB167513      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 6.08  |           | 1        | 0.16 | 1.12       | mg/kg FE053265.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 10.4  |           | 1        | 0.12 | 0.75       | mg/kg FE053265.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 12.6  |           | 1        | 0.14 | 1.12       | mg/kg FE053265.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 14.6  |           | 1        | 0.59 | 1.49       | mg/kg FE053265.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 26.1  |           | 1        | 1.32 | 2.24       | mg/kg FE053265.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 2.67  |           | 1        | 0.13 | 0.75       | mg/kg FD049250.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 6.26  |           | 1        | 0.26 | 1.12       | mg/kg FD049250.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 17.1  |           | 1        | 0.45 | 1.86       | mg/kg FD049250.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 26.8  |           | 1        | 1.33 | 2.98       | mg/kg FD049250.D  |
| Total AliphaticEPH | Total AliphaticEPH | 69.8  |           |          | 2.34 | 6.72       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 52.8  |           |          | 2.17 | 6.71       | mg/kg             |
| Total EPH          | Total EPH          | 123   |           |          | 4.51 | 13.4       | mg/kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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| Client Sample ID:  | B-149-SB01MS                 | SDG No.:        | Q1744                |
| Lab Sample ID:     | Q1746-01MS                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 89.3                 |
| 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 |
| FD049250.D | 1         | 04/08/25    | 04/08/25        | PB167513      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 2.67  |           | 0.13     | 0.75       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 6.26  |           | 0.26     | 1.12       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 17.1  |           | 0.45     | 1.86       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 26.8  |           | 1.33     | 2.98       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 34.1  |           | 40 - 140 | 68%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 26.6  |           | 40 - 140 | 53%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 29.5  |           | 40 - 140 | 59%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q1746-01MS   | Acq On:            | 08 Apr 2025 21:11 |
| Client Sample ID: | B-149-SB01MS | Operator:          | YP/AJ             |
| Data file:        | FD049250.D   | Misc:              |                   |
| Instrument:       | FID_D        | ALS Vial:          | 68                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response  | Conc    | highest_standard | Units |
|----------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.441  | 6.187  | 5607915   | 35.767  | 200              | ug/ml |
| Aromatic C12-C16           | 6.188  | 8.817  | 14295497  | 83.98   | 300              | ug/ml |
| Aromatic C16-C21           | 8.818  | 13.108 | 38524292  | 229.719 | 500              | ug/ml |
| Aromatic C21-C36           | 13.109 | 18.525 | 49650691  | 359.422 | 800              | ug/ml |
| Aromatic EPH               | 4.441  | 18.525 | 108078395 | 708.888 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.751  | 7.751  | 5047461   | 34.07   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.617  | 8.617  | 2716306   | 26.63   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.660 | 11.660 | 5203410   | 29.53   |                  | ug/ml |