

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 08/11/25     |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 08/12/25     |
| Client Sample ID:  | TG-S02                       | SDG No.:        | Q2832        |
| Lab Sample ID:     | Q2832-03                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 94           |
| Sample Wt/Vol:     | 30.08      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/21/25 11:00 | 08/25/25 10:23  | PB169364      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.51  | J         | 1        | 0.15 | 1.06       | mg/kg             | FE055475.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.79  |           | 1        | 0.12 | 0.71       | mg/kg             | FE055475.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.67  | J         | 1        | 0.14 | 1.06       | mg/kg             | FE055475.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.95  | J         | 1        | 0.56 | 1.41       | mg/kg             | FE055475.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 12.7  |           | 1        | 1.25 | 2.12       | mg/kg             | FE055475.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.54  | J         | 1        | 0.13 | 0.71       | mg/kg             | FD049650.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.87  | J         | 1        | 0.24 | 1.06       | mg/kg             | FD049650.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 10.2  |           | 1        | 0.42 | 1.77       | mg/kg             | FD049650.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 22.7  |           | 1        | 1.26 | 2.83       | mg/kg             | FD049650.D |
| Total AliphaticEPH | Total AliphaticEPH | 15.6  |           |          | 2.22 | 6.36       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 34.3  |           |          | 2.06 | 6.37       | mg/kg             |            |
| Total EPH          | Total EPH          | 49.9  |           |          | 4.27 | 12.7       | 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:            | Portal Partners Tri-Venture  | Date Collected: | 08/11/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 08/12/25             |
| Client Sample ID:  | TG-S02                       | SDG No.:        | Q2832                |
| Lab Sample ID:     | Q2832-03                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 94                   |
| Sample Wt/Vol:     | 30.08      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD049650.D | 1         | 08/21/25    | 08/22/25        | PB169364      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.54  | J         | 0.13     | 0.71       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.87  | J         | 0.24     | 1.06       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 10.2  |           | 0.42     | 1.77       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 22.7  |           | 1.26     | 2.83       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 57.5  |           | 40 - 140 | 115%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 58.0  |           | 40 - 140 | 116%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 52.1  |           | 40 - 140 | 104%       | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2832-03   | Acq On:            | 22 Aug 2025 18:43 |
| Client Sample ID: | TG-S02     | Operator:          | YP/AJ             |
| Data file:        | FD049650.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 65                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc    | highest_standard | Units |
|----------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.407  | 6.150  | 822577   | 7.621   | 200              | ug/ml |
| Aromatic C12-C16           | 6.151  | 8.778  | 1519721  | 12.297  | 300              | ug/ml |
| Aromatic C16-C21           | 8.779  | 13.069 | 18156839 | 143.548 | 500              | ug/ml |
| Aromatic C21-C36           | 13.070 | 18.489 | 36111137 | 320.651 | 800              | ug/ml |
| Aromatic EPH               | 4.407  | 18.489 | 56610274 | 484.117 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.716  | 7.716  | 5896088  | 57.53   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.581  | 8.581  | 4235851  | 57.99   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.629 | 11.629 | 6766241  | 52.13   |                  | ug/ml |