

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 04/05/25     |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 04/07/25     |
| Client Sample ID:  | B-149-SB01                   | SDG No.:        | Q1746        |
| Lab Sample ID:     | Q1746-01                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 89.3         |
| Sample Wt/Vol:     | 30.02      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 | 04/11/25 0:41   | PB167513      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.39  | J         | 1        | 0.16 | 1.12       | mg/kg             | FC068565.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 1.86  |           | 1        | 0.12 | 0.75       | mg/kg             | FC068565.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 4.07  |           | 1        | 0.14 | 1.12       | mg/kg             | FC068565.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.79  | J         | 1        | 0.59 | 1.49       | mg/kg             | FC068565.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.09  | J         | 1        | 1.32 | 2.24       | mg/kg             | FC068565.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.48  | J         | 1        | 0.13 | 0.75       | mg/kg             | FD049274.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.47  | J         | 1        | 0.26 | 1.12       | mg/kg             | FD049274.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 3.58  |           | 1        | 0.45 | 1.87       | mg/kg             | FD049274.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 3.46  |           | 1        | 1.33 | 2.98       | mg/kg             | FD049274.D |
| Total AliphaticEPH | Total AliphaticEPH | 9.20  |           |          | 2.34 | 6.72       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 7.99  |           |          | 2.17 | 6.72       | mg/kg             |            |
| Total EPH          | Total EPH          | 17.2  |           |          | 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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| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 04/07/25             |
| Client Sample ID:  | B-149-SB01                   | SDG No.:        | Q1746                |
| Lab Sample ID:     | Q1746-01                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 89.3                 |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068565.D | 1         | 04/08/25    | 04/11/25        | PB167513      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.39  | J         | 0.16     | 1.12       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 1.86  |           | 0.12     | 0.75       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 4.07  |           | 0.14     | 1.12       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.79  | J         | 0.59     | 1.49       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.09  | J         | 1.32     | 2.24       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 44.0  |           | 40 - 140 | 88%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1746-01   | Acq On:            | 11 Apr 2025 00:41 |
| Client Sample ID: | B-149-SB01 | Operator:          | YP/AJ             |
| Data file:        | FC068565.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 24                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.345  | 6.644  | 550884   | 5.232   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.645  | 10.043 | 2552564  | 24.946  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.044 | 13.409 | 5384417  | 54.489  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.410 | 17.073 | 996124   | 10.576  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.074 | 22.075 | 2512377  | 27.952  | 600              | ug/ml |
| Aliphatic EPH             | 3.345  | 22.075 | 11996366 | 123.196 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.145 | 13.145 | 4089584  | 44.02   |                  | ug/ml |
| Aliphatic C9-C28          | 3.345  | 17.073 | 9483989  | 95.243  | 1200             | ug/ml |