

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | B-167-SB02MSD                | SDG No.:        | Q1901        |
| Lab Sample ID:     | Q1901-04MSD                  | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 53.2         |
| Sample Wt/Vol:     | 30.07      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 05/07/25 13:37 | 05/08/25 21:41  | PB167903      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 9.57  |           | 1        | 0.26 | 1.88       | mg/kg FC068805.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 9.36  |           | 1        | 0.21 | 1.25       | mg/kg FC068805.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 14.6  |           | 1        | 0.24 | 1.88       | mg/kg FC068805.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 19.2  |           | 1        | 0.99 | 2.50       | mg/kg FC068805.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 26.4  |           | 1        | 2.21 | 3.75       | mg/kg FC068805.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 9.49  |           | 1        | 0.23 | 1.25       | mg/kg FD049331.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 16.9  |           | 1        | 0.43 | 1.88       | mg/kg FD049331.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 35.0  |           | 1        | 0.75 | 3.13       | mg/kg FD049331.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 53.4  |           | 1        | 2.23 | 5.00       | mg/kg FD049331.D  |
| Total AliphaticEPH | Total AliphaticEPH | 79.1  |           |          | 3.92 | 11.3       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 115   |           |          | 3.64 | 11.3       | mg/kg             |
| Total EPH          | Total EPH          | 194   |           |          | 7.55 | 22.5       | 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: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | B-167-SB02MSD                | SDG No.:        | Q1901                |
| Lab Sample ID:     | Q1901-04MSD                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 53.2                 |
| Sample Wt/Vol:     | 30.07      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068805.D | 1         | 05/07/25    | 05/08/25        | PB167903      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 9.57  |           | 0.26     | 1.88       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 9.36  |           | 0.21     | 1.25       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 14.6  |           | 0.24     | 1.88       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 19.2  |           | 0.99     | 2.50       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 26.4  |           | 2.21     | 3.75       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 36.8  |           | 40 - 140 | 74%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |               |                    |                   |
|-------------------|---------------|--------------------|-------------------|
| Lab Sample ID:    | Q1901-04MSD   | Acq On:            | 08 May 2025 21:41 |
| Client Sample ID: | B-167-SB02MSD | Operator:          | YP/AJ             |
| Data file:        | FC068805.D    | Misc:              |                   |
| Instrument:       | FID_C         | ALS Vial:          | 22                |
| Dilution Factor:  | 1             | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.342  | 6.642  | 7588573  | 76.549  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.643  | 10.042 | 6812490  | 74.875  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.043 | 13.408 | 10040471 | 117.076 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.409 | 17.072 | 12775445 | 153.752 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.073 | 22.071 | 17861536 | 211.073 | 600              | ug/ml |
| Aliphatic EPH             | 3.342  | 22.071 | 55078515 | 633.325 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.142 | 13.142 | 2948527  | 36.75   |                  | ug/ml |
| Aliphatic C9-C28          | 3.342  | 17.072 | 37216979 | 422.252 | 1200             | ug/ml |