

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/10/24     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/11/24     |
| Client Sample ID:  | WB-301-TOP                   | SDG No.:        | P4397        |
| Lab Sample ID:     | P4397-01                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 63.3         |
| 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 |
| 10/14/24 08:32 | 10/14/24 19:07  | PB164109      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.88  | J         | 1        | 0.60 | 1.58       | mg/kg             | FC067434.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 3.76  |           | 1        | 0.38 | 1.05       | mg/kg             | FC067434.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 5.84  |           | 1        | 0.47 | 1.58       | mg/kg             | FC067434.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 9.56  |           | 1        | 1.26 | 2.10       | mg/kg             | FC067434.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.43  |           | 1        | 2.84 | 3.15       | mg/kg             | FC067434.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 1.78  |           | 1        | 0.47 | 1.05       | mg/kg             | FD048521.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 10.5  |           | 1        | 0.54 | 1.58       | mg/kg             | FD048521.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 20.8  |           | 1        | 1.51 | 2.63       | mg/kg             | FD048521.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 19.0  |           | 1        | 3.15 | 4.20       | mg/kg             | FD048521.D |
| Total AliphaticEPH | Total AliphaticEPH | 25.5  |           |          | 5.55 | 9.46       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 52.1  |           |          | 5.67 | 9.46       | mg/kg             |            |
| Total EPH          | Total EPH          | 77.5  |           |          | 11.2 | 18.9       | 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: | 10/10/24             |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/11/24             |
| Client Sample ID:  | WB-301-TOP                   | SDG No.:        | P4397                |
| Lab Sample ID:     | P4397-01                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 63.3                 |
| 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 |
| FC067434.D | 1         | 10/14/24    | 10/14/24        | PB164109      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.88  | J         | 0.60     | 1.58       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 3.76  |           | 0.38     | 1.05       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 5.84  |           | 0.47     | 1.58       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 9.56  |           | 1.26     | 2.10       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.43  |           | 2.84     | 3.15       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.1  |           | 40 - 140 | 60%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | P4397-01   | Acq On:            | 14 Oct 2024 19:07 |
| Client Sample ID: | WB-301-TOP | Operator:          | YP/AJ             |
| Data file:        | FC067434.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 15                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.175  | 6.457  | 1068467  | 8.324   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.458  | 9.850  | 4685890  | 35.782  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.851  | 13.209 | 7306537  | 55.573  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.210 | 16.865 | 11537622 | 90.974  | 400              | ug/ml |
| Aliphatic C28-C40         | 16.866 | 21.722 | 5436641  | 51.671  | 600              | ug/ml |
| Aliphatic EPH             | 3.175  | 21.722 | 30035157 | 242.324 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.941 | 12.941 | 3402529  | 30.06   |                  | ug/ml |
| Aliphatic C9-C28          | 3.175  | 16.865 | 24598516 | 190.653 | 1200             | ug/ml |