

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                      |
| Client Sample ID:  | PB164525BL                   | SDG No.:        | P4578                |
| Lab Sample ID:     | PB164525BL                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| 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 |
| 10/30/24 08:20 | 10/30/24 17:27  | PB164525      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.38  | U         | 1        | 0.38 | 1.00       | mg/kg             | FC067568.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.24  | U         | 1        | 0.24 | 0.67       | mg/kg             | FC067568.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.30  | U         | 1        | 0.30 | 1.00       | mg/kg             | FC067568.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.80  | U         | 1        | 0.80 | 1.33       | mg/kg             | FC067568.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.80  | U         | 1        | 1.80 | 2.00       | mg/kg             | FC067568.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.30  | U         | 1        | 0.30 | 0.67       | mg/kg             | FD048623.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.34  | U         | 1        | 0.34 | 1.00       | mg/kg             | FD048623.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 0.96  | U         | 1        | 0.96 | 1.67       | mg/kg             | FD048623.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 2.00  | U         | 1        | 2.00 | 2.66       | mg/kg             | FD048623.D |
| Total AliphaticEPH | Total AliphaticEPH | 3.52  | U         |          | 3.52 | 5.99       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 3.60  | U         |          | 3.60 | 6.00       | mg/kg             |            |
| Total EPH          | Total EPH          | 7.12  | U         |          | 7.12 | 12.0       | 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:  | PB164525BL                   | SDG No.:        | P4578                |
| Lab Sample ID:     | PB164525BL                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| 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 |
| FC067568.D | 1         | 10/30/24    | 10/30/24        | PB164525      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.38  | U         | 0.38     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.24  | U         | 0.24     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.30  | U         | 0.30     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.80  | U         | 0.80     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.80  | U         | 1.80     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 35.4  |           | 40 - 140 | 71%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB164525BL | Acq On:            | 30 Oct 2024 17:27 |
| Client Sample ID: | PB164525BL | Operator:          | YP/AJ             |
| Data file:        | FC067568.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 14                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.174  | 6.453  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.454  | 9.842  | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 9.843  | 13.199 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.200 | 16.852 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 16.853 | 21.694 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.174  | 21.694 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.932 | 12.932 | 3824511  | 35.42 |                  | ug/ml |
| Aliphatic C9-C28          | 3.174  | 16.852 | 0        | 0     | 1200             | ug/ml |