

## Report of Analysis

|                    |                              |                 |         |
|--------------------|------------------------------|-----------------|---------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |         |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |         |
| Client Sample ID:  | PB167524BL                   | SDG No.:        | Q1746   |
| Lab Sample ID:     | PB167524BL                   | Matrix:         | Water   |
| Analytical Method: | NJEPH                        | % Solid:        | 0       |
| Sample Wt/Vol:     | 1000 Units: mL               | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH     |
| Prep Method :      | SW3510                       |                 |         |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/09/25 08:20 | 04/09/25 22:13  | PB167524      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.28  | U         | 1        | 8.28 | 30.0       | ug/l  | FC068536.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 13.5  | U         | 1        | 13.5 | 20.0       | ug/l  | FC068536.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 8.34  | U         | 1        | 8.34 | 30.0       | ug/l  | FC068536.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 12.5  | U         | 1        | 12.5 | 40.0       | ug/l  | FC068536.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 23.8  | U         | 1        | 23.8 | 60.0       | ug/l  | FC068536.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 2.07  | U         | 1        | 2.07 | 20.0       | ug/l  | FD049258.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 4.26  | U         | 1        | 4.26 | 30.0       | ug/l  | FD049258.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 8.27  | U         | 1        | 8.27 | 50.0       | ug/l  | FD049258.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 23.8  | U         | 1        | 23.8 | 80.0       | ug/l  | FD049258.D |
| Total AliphaticEPH | Total AliphaticEPH | 66.4  | U         |          | 66.4 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 38.4  | U         |          | 38.4 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 105   | U         |          | 105  | 360        | ug/l  |            |

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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| Lab Sample ID:     | PB167524BL                   | Matrix:         | Water   |
| Analytical Method: | NJEPH                        | % Solid:        | 0       |
| Sample Wt/Vol:     | 1000 Units: mL               | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH     |
| Prep Method :      | SW3510                       |                 |         |

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| 04/09/25 08:20 | 04/09/25 22:13  | PB167524      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.28  | U         | 1        | 8.28 | 30.0       | ug/l  | FC068536.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 13.5  | U         | 1        | 13.5 | 20.0       | ug/l  | FC068536.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 8.34  | U         | 1        | 8.34 | 30.0       | ug/l  | FC068536.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 12.5  | U         | 1        | 12.5 | 40.0       | ug/l  | FC068536.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 23.8  | U         | 1        | 23.8 | 60.0       | ug/l  | FC068536.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 2.07  | U         | 1        | 2.07 | 20.0       | ug/l  | FD049258.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 4.26  | U         | 1        | 4.26 | 30.0       | ug/l  | FD049258.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 8.27  | U         | 1        | 8.27 | 50.0       | ug/l  | FD049258.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 23.8  | U         | 1        | 23.8 | 80.0       | ug/l  | FD049258.D |
| Total AliphaticEPH | Total AliphaticEPH | 66.4  | U         |          | 66.4 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 38.4  | U         |          | 38.4 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 105   | U         |          | 105  | 360        | ug/l  |            |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB167524BL                   | SDG No.:        | Q1746                |
| Lab Sample ID:     | PB167524BL                   | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  |                              | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068536.D | 1         | 04/09/25    | 04/09/25        | PB167524      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 8.28  | U         | 8.28     | 30.0       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 13.5  | U         | 13.5     | 20.0       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 8.34  | U         | 8.34     | 30.0       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 12.5  | U         | 12.5     | 40.0       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 23.8  | U         | 23.8     | 60.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 47.5  |           | 40 - 140 | 95%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167524BL | Acq On:            | 09 Apr 2025 22:13 |
| Client Sample ID: | PB167524BL | Operator:          | YP/AJ             |
| Data file:        | FC068536.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 19                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.348  | 6.648  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.649  | 10.049 | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 10.050 | 13.416 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.417 | 17.080 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.081 | 22.083 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.348  | 22.083 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.146 | 13.146 | 4416517  | 47.54 |                  | ug/ml |
| Aliphatic C9-C28          | 3.348  | 17.080 | 0        | 0     | 1200             | ug/ml |