

## Report of Analysis

|                    |                              |           |                 |               |
|--------------------|------------------------------|-----------|-----------------|---------------|
| Client:            | Portal Partners Tri-Venture  |           | Date Collected: | 10/25/24      |
| Project:           | Amtrak Sawtooth Bridges 2024 |           | Date Received:  | 10/25/24      |
| Client Sample ID:  | WB-305-TOP-1                 |           | SDG No.:        | P4578         |
| Lab Sample ID:     | P4578-04                     |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                       |           | % Solid:        | 58.7          |
| Sample Wt/Vol:     | 7.19                         | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                              | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                      | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                              |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY020034.D        | 1         |           | 10/28/24 12:19 | VY102824      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 2.00  | U         | 2.00 | 5.90       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 1.40  | U         | 1.40 | 5.90       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.91  | U         | 0.91 | 5.90       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 1.20  | U         | 1.20 | 5.90       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 1.20  | U         | 1.20 | 5.90       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 1.10  | U         | 1.10 | 5.90       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.30  | U         | 1.30 | 5.90       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 0.92  | U         | 0.92 | 5.90       | ug/Kg             |
| 67-64-1        | Acetone                        | 48.0  |           | 7.40 | 29.6       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 3.60  | J         | 1.50 | 5.90       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.79  | U         | 0.79 | 5.90       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 91.9  |           | 2.10 | 5.90       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 4.00  | U         | 4.00 | 11.8       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.00  | U         | 1.00 | 5.90       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.75  | U         | 0.75 | 5.90       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.82  | U         | 0.82 | 5.90       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 12.7  | J         | 6.70 | 29.6       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 1.00  | U         | 1.00 | 5.90       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.72  | U         | 0.72 | 5.90       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 2.90  | U         | 2.90 | 5.90       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.79  | U         | 0.79 | 5.90       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.92  | U         | 0.92 | 5.90       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 1.90  | J         | 1.00 | 5.90       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.85  | U         | 0.85 | 5.90       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.72  | U         | 0.72 | 5.90       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.89  | U         | 0.89 | 5.90       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.78  | U         | 0.78 | 5.90       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.66  | U         | 0.66 | 5.90       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 5.20  | U         | 5.20 | 29.6       | ug/Kg             |
| 108-88-3       | Toluene                        | 4.20  | J         | 0.79 | 5.90       | ug/Kg             |

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| Client Sample ID:  | WB-305-TOP-1                 | SDG No.:        | P4578         |
| Lab Sample ID:     | P4578-04                     | Matrix:         | SOIL          |
| Analytical Method: | SW8260                       | % Solid:        | 58.7          |
| Sample Wt/Vol:     | 7.19                         | Units:          | g             |
| Soil Aliquot Vol:  |                              | Final Vol:      | 5000 uL       |
|                    |                              | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                      | Level :         | LOW           |
| Prep Method :      |                              |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VY020034.D        | 1         |           | 10/28/24 12:19 | VY102824      |

| CAS Number  | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|-------------|-----------------------------|-------|-----------|------|------------|-------------------|
| 10061-02-6  | t-1,3-Dichloropropene       | 0.71  | U         | 0.71 | 5.90       | ug/Kg             |
| 10061-01-5  | cis-1,3-Dichloropropene     | 0.68  | U         | 0.68 | 5.90       | ug/Kg             |
| 79-00-5     | 1,1,2-Trichloroethane       | 1.00  | U         | 1.00 | 5.90       | ug/Kg             |
| 591-78-6    | 2-Hexanone                  | 5.70  | U         | 5.70 | 29.6       | ug/Kg             |
| 124-48-1    | Dibromochloromethane        | 0.77  | U         | 0.77 | 5.90       | ug/Kg             |
| 106-93-4    | 1,2-Dibromoethane           | 0.94  | U         | 0.94 | 5.90       | ug/Kg             |
| 127-18-4    | Tetrachloroethene           | 1.10  | U         | 1.10 | 5.90       | ug/Kg             |
| 108-90-7    | Chlorobenzene               | 0.88  | U         | 0.88 | 5.90       | ug/Kg             |
| 100-41-4    | Ethyl Benzene               | 0.73  | U         | 0.73 | 5.90       | ug/Kg             |
| 179601-23-1 | m/p-Xylenes                 | 1.60  | U         | 1.60 | 11.8       | ug/Kg             |
| 95-47-6     | o-Xylene                    | 3.40  | J         | 0.83 | 5.90       | ug/Kg             |
| 100-42-5    | Styrene                     | 0.71  | U         | 0.71 | 5.90       | ug/Kg             |
| 75-25-2     | Bromoform                   | 0.96  | U         | 0.96 | 5.90       | ug/Kg             |
| 98-82-8     | Isopropylbenzene            | 5.00  | J         | 0.79 | 5.90       | ug/Kg             |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 1.30  | U         | 1.30 | 5.90       | ug/Kg             |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.88  | U         | 0.88 | 5.90       | ug/Kg             |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.95  | U         | 0.95 | 5.90       | ug/Kg             |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.70  | U         | 0.70 | 5.90       | ug/Kg             |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 1.80  | U         | 1.80 | 5.90       | ug/Kg             |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 0.94  | U         | 0.94 | 5.90       | ug/Kg             |
| 87-61-6     | 1,2,3-Trichlorobenzene      | 0.92  | U         | 0.92 | 5.90       | ug/Kg             |

## SURROGATES

|            |                       |      |                     |      |         |
|------------|-----------------------|------|---------------------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 58.9 | 70 (50) - 130 (163) | 118% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.6 | 70 (54) - 130 (147) | 101% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 51.7 | 70 (58) - 130 (134) | 103% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 45.6 | 70 (29) - 130 (146) | 91%  | SPK: 50 |

## INTERNAL STANDARDS

|           |                        |        |        |
|-----------|------------------------|--------|--------|
| 363-72-4  | Pentafluorobenzene     | 189000 | 7.713  |
| 540-36-3  | 1,4-Difluorobenzene    | 387000 | 8.616  |
| 3114-55-4 | Chlorobenzene-d5       | 355000 | 11.414 |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 133000 | 13.346 |

### TENTATIVE IDENTIFIED COMPOUNDS

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| Lab Sample ID:     | P4578-04                          | Matrix:         | SOIL                 |
| Analytical Method: | SW8260                            | % Solid:        | 58.7                 |
| Sample Wt/Vol:     | 7.19      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOC-TCLVOA-10        |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY020034.D        | 1         |           | 10/28/24 12:19 | VY102824      |

| CAS Number  | Parameter                         | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------|-----------------------------------|-------|-----------|-----|------------|-------------------|
| 103-65-1    | n-propylbenzene                   | 1.20  | J         |     | 12.6       | ug/Kg             |
| 108-67-8    | 1,3,5-Trimethylbenzene            | 6.10  | J         |     | 12.7       | ug/Kg             |
| 95-63-6     | 1,2,4-Trimethylbenzene            | 24.9  | J         |     | 13.0       | ug/Kg             |
| 99-87-6     | p-Isopropyltoluene                | 2.60  | J         |     | 13.3       | ug/Kg             |
| 104-51-8    | n-Butylbenzene                    | 5.70  | J         |     | 13.6       | ug/Kg             |
| 000934-80-5 | Benzene, 4-ethyl-1,2-dimethyl-    | 120   | J         |     | 13.9       | ug/Kg             |
| 001587-04-8 | Benzene, 1-methyl-2-(2-propenyl)- | 59.9  | J         |     | 14.0       | ug/Kg             |
| 000527-53-7 | Benzene, 1,2,3,5-tetramethyl-     | 110   | J         |     | 14.2       | ug/Kg             |
| 000934-74-7 | Benzene, 1-ethyl-3,5-dimethyl-    | 150   | J         |     | 14.3       | ug/Kg             |
| 000874-35-1 | 1H-Indene, 2,3-dihydro-5-methyl-  | 86.6  | J         |     | 14.5       | ug/Kg             |
|             | unknown14.529                     | 60.2  | J         |     | 14.5       | ug/Kg             |
| 000934-10-1 | 3-Phenylbut-1-ene                 | 190   | J         |     | 14.6       | ug/Kg             |
| 000629-50-5 | Tridecane                         | 55.0  | J         |     | 15.3       | ug/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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products