

## Report of Analysis

|                    |                              |                 |                  |
|--------------------|------------------------------|-----------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 06/01/25         |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 06/03/25         |
| Client Sample ID:  | B-207-SB02                   | SDG No.:        | Q2198            |
| Lab Sample ID:     | Q2198-03                     | Matrix:         | SOIL             |
| Analytical Method: | 8270E                        | % Solid:        | 52.1             |
| Sample Wt/Vol:     | 30.09                        | Units:          | g                |
| Soil Aliquot Vol:  |                              |                 | uL               |
| Extraction Type :  |                              | Decanted :      | N                |
| Injection Volume : |                              | GPC Factor :    | 1.0              |
| Prep Method :      | SW3541                       | Level :         | LOW              |
|                    |                              | Test:           | SVOC-TCL BNA -20 |
|                    |                              | Final Vol:      | 1000             |
|                    |                              | PH :            |                  |
|                    |                              | GPC Cleanup :   | N                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024919.D        | 1         | 06/05/25 09:40 | 06/11/25 19:49 | PB168300      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 300   | U         | 300  | 630        | ug/Kg             |
| 108-95-2       | Phenol                      | 42.3  | U         | 42.3 | 330        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 46.5  | U         | 46.5 | 330        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 46.7  | U         | 46.7 | 330        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 57.2  | U         | 57.2 | 330        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 71.8  | U         | 71.8 | 330        | ug/Kg             |
| 98-86-2        | Acetophenone                | 56.5  | U         | 56.5 | 330        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 78.7  | U         | 78.7 | 630        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 90.7  | U         | 90.7 | 150        | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 33.7  | U         | 33.7 | 330        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 35.0  | U         | 35.0 | 330        | ug/Kg             |
| 78-59-1        | Isophorone                  | 62.8  | U         | 62.8 | 330        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 110   | U         | 110  | 330        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 120   | U         | 120  | 330        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 58.9  | U         | 58.9 | 330        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 54.2  | U         | 54.2 | 330        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 43.4  | U         | 43.4 | 330        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 67.7  | UQ        | 67.7 | 330        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 48.4  | U         | 48.4 | 330        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 99.7  | U         | 99.7 | 630        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 54.9  | U         | 54.9 | 330        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 49.0  | U         | 49.0 | 330        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 220   | U         | 220  | 630        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 37.9  | U         | 37.9 | 330        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 55.7  | U         | 55.7 | 330        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 41.7  | U         | 41.7 | 330        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 43.1  | U         | 43.1 | 330        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 92.0  | U         | 92.0 | 330        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 51.9  | U         | 51.9 | 330        | ug/Kg             |

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| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 06/03/25                     |
| Client Sample ID:  | B-207-SB02                   | SDG No.:        | Q2198                        |
| Lab Sample ID:     | Q2198-03                     | Matrix:         | SOIL                         |
| Analytical Method: | 8270E                        | % Solid:        | 52.1                         |
| Sample Wt/Vol:     | 30.09      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024919.D        | 1         | 06/05/25 09:40 | 06/11/25 19:49 | PB168300      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 55.3  | U         | 55.3 | 330        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 64.3  | U         | 64.3 | 330        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 88.0  | U         | 88.0 | 330        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 40.8  | U         | 40.8 | 330        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 440   | U         | 440  | 630        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 200   | U         | 200  | 630        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 43.4  | U         | 43.4 | 330        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 95.9  | U         | 95.9 | 330        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 54.2  | U         | 54.2 | 330        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 51.1  | U         | 51.1 | 330        | ug/Kg             |
| 86-73-7    | Fluorene                   | 48.4  | U         | 48.4 | 330        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 120   | U         | 120  | 330        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 200   | U         | 200  | 630        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 63.0  | U         | 63.0 | 330        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 53.2  | U         | 53.2 | 330        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 48.4  | U         | 48.4 | 330        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 65.1  | U         | 65.1 | 330        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 98.2  | U         | 98.2 | 630        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 340   |           | 40.0 | 330        | ug/Kg             |
| 120-12-7   | Anthracene                 | 63.7  | U         | 63.7 | 330        | ug/Kg             |
| 86-74-8    | Carbazole                  | 59.7  | U         | 59.7 | 330        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 91.7  | U         | 91.7 | 330        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 400   |           | 57.4 | 330        | ug/Kg             |
| 129-00-0   | Pyrene                     | 320   | J         | 68.9 | 330        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 140   | U         | 140  | 330        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 70.2  | U         | 70.2 | 630        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 140   | J         | 44.0 | 330        | ug/Kg             |
| 218-01-9   | Chrysene                   | 140   | J         | 38.1 | 330        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 110   | U         | 110  | 330        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 170   | U         | 170  | 630        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 160   | J         | 36.4 | 330        | ug/Kg             |

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| Client Sample ID:  | B-207-SB02                   | SDG No.:        | Q2198                |
| Lab Sample ID:     | Q2198-03                     | Matrix:         | SOIL                 |
| Analytical Method: | 8270E                        | % Solid:        | 52.1                 |
| Sample Wt/Vol:     | 30.09      Units:    g       | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20     |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N              PH :  |
| Prep Method :      | SW3541                       |                 |                      |

|                   |           |                |                |               |
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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024919.D        | 1         | 06/05/25 09:40 | 06/11/25 19:49 | PB168300      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 42.9  | U         | 42.9 | 330        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 130   | J         | 56.5 | 330        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 55.7  | U         | 55.7 | 330        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 52.4  | U         | 52.4 | 330        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 49.2  | U         | 49.2 | 330        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 49.0  | U         | 49.0 | 330        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 86.5  | U         | 86.5 | 330        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 52.4  | U         | 52.4 | 330        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 72.5 |  | 30 (18) - 130 (112) | 48% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 71.4 |  | 30 (15) - 130 (107) | 48% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 44.3 |  | 30 (18) - 130 (107) | 44% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 40.0 |  | 30 (20) - 130 (109) | 40% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 80.7 |  | 30 (10) - 130 (116) | 54% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 33.0 |  | 30 (10) - 130 (105) | 33% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 281000  | 7.608  |
| 1146-65-2  | Naphthalene-d8         | 1090000 | 10.384 |
| 15067-26-2 | Acenaphthene-d10       | 644000  | 14.26  |
| 1517-22-2  | Phenanthrene-d10       | 1240000 | 17.06  |
| 1719-03-5  | Chrysene-d12           | 1500000 | 21.495 |
| 1520-96-3  | Perylene-d12           | 1860000 | 24.766 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                    |     |    |      |       |
|-------------|------------------------------------|-----|----|------|-------|
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl-   | 290 | AB | 4.77 | ug/Kg |
| 000469-61-4 | 1H-3a,7-Methanoazulene, 2,3,4,7,8, | 140 | J  | 13.6 | ug/Kg |
| 000119-61-9 | Benzophenone                       | 640 | J  | 15.6 | ug/Kg |
| 000057-10-3 | n-Hexadecanoic acid                | 330 | J  | 18.0 | ug/Kg |
| 000511-15-9 | 2-Phenanthrenol, 4b,5,6,7,8,8a,9,1 | 460 | J  | 20.5 | ug/Kg |
| 116196-83-9 | 4,4-Bis(tetrahydrothiopyran)       | 490 | J  | 20.5 | ug/Kg |
| 000295-65-8 | Cyclohexadecane                    | 500 | J  | 21.2 | ug/Kg |

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| Lab Sample ID:     | Q2198-03                     | Matrix:         | SOIL                         |
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| Sample Wt/Vol:     | 30.09      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

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