

## Report of Analysis

|                    |                              |                 |                  |
|--------------------|------------------------------|-----------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                  |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                  |
| Client Sample ID:  | PB165086BS                   | SDG No.:        | P4892            |
| Lab Sample ID:     | PB165086BS                   | Matrix:         | SOIL             |
| Analytical Method: | SW8270                       | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.02 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 |
| BF140594.D        | 1         | 11/19/24 09:00 | 11/25/24 11:17 | PB165086      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 210   | J         | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 1700  |           | 82.8 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1700  |           | 83.6 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1700  |           | 83.4 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1700  |           | 80.5 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1800  |           | 90.8 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1600  |           | 86.8 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1700  |           | 79.7 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1700  |           | 40.3 | 79.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1600  |           | 82.9 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1600  |           | 90.7 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1700  |           | 84.5 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1700  |           | 94.4 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 2200  |           | 93.1 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1700  |           | 85.7 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1700  |           | 75.4 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1600  |           | 82.5 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 840   |           | 82.5 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1600  |           | 83.2 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1600  |           | 86.7 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1700  |           | 77.4 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1700  |           | 82.4 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 6200  | E         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1700  |           | 71.4 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1600  |           | 74.0 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1600  |           | 87.3 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1600  |           | 83.2 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1600  |           | 94.9 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1700  |           | 81.6 | 170        | ug/Kg             |

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| Sample Wt/Vol:     | 30.02 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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| BF140594.D        | 1         | 11/19/24 09:00 | 11/25/24 11:17 | PB165086      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1700  |           | 86.4 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1600  |           | 83.1 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1100  |           | 89.1 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1700  |           | 81.0 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 2900  | E         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3300  | E         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1600  |           | 84.3 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1700  |           | 86.1 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1700  |           | 80.0 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1700  |           | 85.5 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1600  |           | 85.4 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1600  |           | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1800  |           | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1700  |           | 81.5 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1600  |           | 78.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1600  |           | 84.9 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1900  |           | 91.3 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 3400  | E         | 77.2 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1700  |           | 83.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1800  |           | 84.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1700  |           | 80.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1700  |           | 84.2 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1700  |           | 81.6 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1600  |           | 82.9 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1700  |           | 96.7 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1100  |           | 98.5 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1700  |           | 80.6 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1700  |           | 79.4 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1800  |           | 90.9 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1900  |           | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1700  |           | 81.0 | 170        | ug/Kg             |

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|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1700   |           | 82.5                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1800   |           | 92.9                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1700   |           | 78.0                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1700   |           | 81.1                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1500   |           | 80.0                | 170        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1600   |           | 86.7                | 170        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1500   |           | 110                 | 170        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1800   |           | 74.7                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 141    |           | 30 (18) - 130 (112) | 94%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 139    |           | 30 (15) - 130 (107) | 93%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 95.8   |           | 30 (18) - 130 (107) | 96%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 93.3   |           | 30 (20) - 130 (109) | 93%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 143    |           | 30 (10) - 130 (116) | 95%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 96.5   |           | 30 (10) - 130 (105) | 96%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 95500  | 6.869     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 360000 | 8.151     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 204000 | 9.91      |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 384000 | 11.398    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 226000 | 14.051    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 184000 | 15.551    |                     |            |                   |

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