

## Report of Analysis

|                    |                              |                 |                  |
|--------------------|------------------------------|-----------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                  |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                  |
| Client Sample ID:  | PB165705BL                   | SDG No.:        | P5299            |
| Lab Sample ID:     | PB165705BL                   | 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 |
| BF140943.D        | 1         | 12/18/24 08:56 | 12/20/24 11:41 | PB165705      |

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

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| Client Sample ID:  | PB165705BL                   | SDG No.:        | P5299            |
| Lab Sample ID:     | PB165705BL                   | 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                       |                 |                  |

|                   |           |                |                |               |
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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140943.D        | 1         | 12/18/24 08:56 | 12/20/24 11:41 | PB165705      |

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

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| Lab Sample ID:     | PB165705BL                   | 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                       |                 |                  |

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| BF140943.D        | 1         | 12/18/24 08:56 | 12/20/24 11:41 | PB165705      |

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|---------------------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                              | Benzo(k)fluoranthene        | 82.5   | U         | 82.5                | 170        | ug/Kg             |
| 50-32-8                               | Benzo(a)pyrene              | 92.9   | U         | 92.9                | 170        | ug/Kg             |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene      | 78.0   | U         | 78.0                | 170        | ug/Kg             |
| 53-70-3                               | Dibenzo(a,h)anthracene      | 81.1   | U         | 81.1                | 170        | ug/Kg             |
| 191-24-2                              | Benzo(g,h,i)perylene        | 80.0   | U         | 80.0                | 170        | ug/Kg             |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene  | 86.7   | U         | 86.7                | 170        | ug/Kg             |
| 123-91-1                              | 1,4-Dioxane                 | 110    | U         | 110                 | 170        | ug/Kg             |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol   | 74.7   | U         | 74.7                | 170        | ug/Kg             |
| <b>SURROGATES</b>                     |                             |        |           |                     |            |                   |
| 367-12-4                              | 2-Fluorophenol              | 150    |           | 30 (18) - 130 (112) | 100%       | SPK: 150          |
| 13127-88-3                            | Phenol-d6                   | 153    |           | 30 (15) - 130 (107) | 102%       | SPK: 150          |
| 4165-60-0                             | Nitrobenzene-d5             | 107    |           | 30 (18) - 130 (107) | 107%       | SPK: 100          |
| 321-60-8                              | 2-Fluorobiphenyl            | 103    |           | 30 (20) - 130 (109) | 103%       | SPK: 100          |
| 118-79-6                              | 2,4,6-Tribromophenol        | 146    |           | 30 (10) - 130 (116) | 97%        | SPK: 150          |
| 1718-51-0                             | Terphenyl-d14               | 110    |           | 30 (10) - 130 (105) | 110%       | SPK: 100          |
| <b>INTERNAL STANDARDS</b>             |                             |        |           |                     |            |                   |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4      | 64900  | 6.845     |                     |            |                   |
| 1146-65-2                             | Naphthalene-d8              | 229000 | 8.128     |                     |            |                   |
| 15067-26-2                            | Acenaphthene-d10            | 137000 | 9.886     |                     |            |                   |
| 1517-22-2                             | Phenanthrene-d10            | 270000 | 11.375    |                     |            |                   |
| 1719-03-5                             | Chrysene-d12                | 175000 | 14.027    |                     |            |                   |
| 1520-96-3                             | Perylene-d12                | 118000 | 15.521    |                     |            |                   |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                             |        |           |                     |            |                   |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl- | 180    | J         |                     | 2.23       | 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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| BF140943.D        | 1         | 12/18/24 08:56 | 12/20/24 11:41 | PB165705      |

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|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

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