

## Report of Analysis

|                    |                              |                 |                  |
|--------------------|------------------------------|-----------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25         |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25         |
| Client Sample ID:  | B-113-SB02MS                 | SDG No.:        | Q1194            |
| Lab Sample ID:     | Q1194-04MS                   | Matrix:         | SOIL             |
| Analytical Method: | SW8270                       | % Solid:        | 64.7             |
| Sample Wt/Vol:     | 30.04 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 |
| BF141352.D        | 1         | 01/28/25 09:56 | 02/01/25 00:30 | PB166294      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 330   | J         | 280  | 510        | ug/Kg             |
| 108-95-2       | Phenol                      | 2100  |           | 130  | 260        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 2200  |           | 130  | 260        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 2200  |           | 130  | 260        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 2100  |           | 120  | 260        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 2100  |           | 140  | 260        | ug/Kg             |
| 98-86-2        | Acetophenone                | 2200  |           | 130  | 260        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 2200  |           | 120  | 510        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2100  |           | 62.2 | 120        | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 2100  |           | 130  | 260        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 2100  |           | 140  | 260        | ug/Kg             |
| 78-59-1        | Isophorone                  | 2200  |           | 130  | 260        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 2200  |           | 150  | 260        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 2600  |           | 140  | 260        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 2200  |           | 130  | 260        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 2200  |           | 120  | 260        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 2100  |           | 130  | 260        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 450   |           | 130  | 260        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 2000  |           | 130  | 260        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 2200  |           | 130  | 510        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 2200  |           | 120  | 260        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 2100  |           | 130  | 260        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 6900  | E         | 240  | 510        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 2200  |           | 110  | 260        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 2200  |           | 110  | 260        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 2200  |           | 130  | 260        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 2100  |           | 130  | 260        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 2200  |           | 150  | 260        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 2300  |           | 130  | 260        | ug/Kg             |

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| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 2300  |           | 130 | 260        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 2100  |           | 130 | 260        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1400  |           | 140 | 260        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 2400  |           | 130 | 260        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 5000  | E         | 380 | 510        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3800  |           | 180 | 510        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 2100  |           | 130 | 260        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 2200  |           | 130 | 260        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 2200  |           | 120 | 260        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 2100  |           | 130 | 260        | ug/Kg             |
| 86-73-7    | Fluorene                   | 2000  |           | 130 | 260        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1900  |           | 170 | 260        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 2800  |           | 180 | 510        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 2500  |           | 130 | 260        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 2400  |           | 120 | 260        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 2300  |           | 130 | 260        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 2400  |           | 140 | 260        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 4300  | E         | 120 | 510        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 2200  |           | 130 | 260        | ug/Kg             |
| 120-12-7   | Anthracene                 | 2300  |           | 130 | 260        | ug/Kg             |
| 86-74-8    | Carbazole                  | 2100  |           | 120 | 260        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 2400  |           | 130 | 260        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 2000  |           | 130 | 260        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1800  |           | 130 | 260        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 2100  |           | 150 | 260        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1500  |           | 150 | 510        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 2100  |           | 120 | 260        | ug/Kg             |
| 218-01-9   | Chrysene                   | 2300  |           | 120 | 260        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 2200  |           | 140 | 260        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 2600  |           | 170 | 510        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 2400  |           | 130 | 260        | ug/Kg             |

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| 207-08-9   | Benzo(k)fluoranthene       | 2400  |           | 130 | 260        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 2500  |           | 140 | 260        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 1800  |           | 120 | 260        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 1800  |           | 130 | 260        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 1500  |           | 120 | 260        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 2200  |           | 130 | 260        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 1900  |           | 170 | 260        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 2300  |           | 120 | 260        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 93.0 |  | 30 (18) - 130 (112) | 62% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 91.1 |  | 30 (15) - 130 (107) | 61% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 65.2 |  | 30 (18) - 130 (107) | 65% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 61.8 |  | 30 (20) - 130 (109) | 62% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 92.2 |  | 30 (10) - 130 (116) | 61% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 52.5 |  | 30 (10) - 130 (105) | 53% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 160000 | 6.798  |
| 1146-65-2  | Naphthalene-d8         | 632000 | 8.081  |
| 15067-26-2 | Acenaphthene-d10       | 327000 | 9.839  |
| 1517-22-2  | Phenanthrene-d10       | 478000 | 11.327 |
| 1719-03-5  | Chrysene-d12           | 307000 | 13.968 |
| 1520-96-3  | Perylene-d12           | 308000 | 15.421 |

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