284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Portal Partners Tri-Venture | Date Collected: | 06/03/25 |
| Project: | Amtrak Sawtooth Bridges 2025 | Date Received: | 06/03/25 |
| Client Sample ID: | COMP-13MS | SDG No.: | Q2177 |
| Lab Sample ID: | Q2194-03MS | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 88.3 |
| Sample Wt/Vol: | 50.06 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 |
|---|---|---|---|---|
| BF142629.D | 1 | 06/04/25 12:45 | 06/05/25 12:38 | PB168259 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 800 | | 110 | 220 | ug/Kg |
| 108-95-2 | Phenol | 970 | | 15.0 | 120 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | | 16.5 | 120 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1000 | | 16.6 | 120 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 950 | | 20.3 | 120 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 970 | | 25.5 | 120 | ug/Kg |
| 98-86-2 | Acetophenone | 980 | | 20.0 | 120 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 910 | | 27.9 | 220 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 900 | | 32.2 | 54.3 | ug/Kg |
| 67-72-1 | Hexachloroethane | 990 | | 11.9 | 120 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1000 | | 12.4 | 120 | ug/Kg |
| 78-59-1 | Isophorone | 960 | | 22.3 | 120 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1100 | | 39.5 | 120 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 980 | | 44.0 | 120 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | | 20.9 | 120 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 980 | | 19.2 | 120 | ug/Kg |
| 91-20-3 | Naphthalene | 990 | | 15.4 | 120 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 570 | | 24.0 | 120 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1000 | | 17.2 | 120 | ug/Kg |
| 105-60-2 | Caprolactam | 990 | | 35.4 | 220 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 900 | | 19.5 | 120 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 960 | | 17.4 | 120 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 2000 | E | 78.7 | 220 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | | 13.4 | 120 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1000 | | 19.7 | 120 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1100 | | 14.8 | 120 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1100 | | 15.3 | 120 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1000 | | 32.6 | 120 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 980 | | 18.4 | 120 | ug/Kg |

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| Sample Wt/Vol: | 50.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
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| Prep Method : | SW3541 | | |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1000 | | 19.6 | 120 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | | 22.8 | 120 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 680 | | 31.2 | 120 | ug/Kg |
| 83-32-9 | Acenaphthene | 1100 | | 14.5 | 120 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 2200 | E | 160 | 220 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 2000 | E | 72.6 | 220 | ug/Kg |
| 132-64-9 | Dibenzofuran | 990 | | 15.4 | 120 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | | 34.0 | 120 | ug/Kg |
| 84-66-2 | Diethylphthalate | 940 | | 19.2 | 120 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 960 | | 18.1 | 120 | ug/Kg |
| 86-73-7 | Fluorene | 970 | | 17.2 | 120 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 990 | | 43.6 | 120 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | | 69.9 | 220 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | | 22.3 | 120 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | | 18.9 | 120 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1100 | | 17.2 | 120 | ug/Kg |
| 1912-24-9 | Atrazine | 1100 | | 23.1 | 120 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 2000 | E | 34.8 | 220 | ug/Kg |
| 85-01-8 | Phenanthrene | 1000 | | 14.2 | 120 | ug/Kg |
| 120-12-7 | Anthracene | 1000 | | 22.6 | 120 | ug/Kg |
| 86-74-8 | Carbazole | 1000 | | 21.2 | 120 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1100 | | 32.5 | 120 | ug/Kg |
| 206-44-0 | Fluoranthene | 1100 | | 20.4 | 120 | ug/Kg |
| 129-00-0 | Pyrene | 770 | | 24.4 | 120 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1100 | | 48.5 | 120 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 790 | | 24.9 | 220 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1000 | | 15.6 | 120 | ug/Kg |
| 218-01-9 | Chrysene | 1000 | | 13.5 | 120 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1200 | | 40.2 | 120 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1100 | | 58.9 | 220 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1100 | | 12.9 | 120 | ug/Kg |

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|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 980 | | 15.2 | 120 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1000 | | 20.0 | 120 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 970 | | 19.7 | 120 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 980 | | 18.6 | 120 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 970 | | 17.4 | 120 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1100 | | 17.4 | 120 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 910 | | 30.7 | 120 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 970 | | 18.6 | 120 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 82.7 | | 30 (18) - 130 (112) | 55% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 81.8 | | 30 (15) - 130 (107) | 55% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 52.9 | | 30 (18) - 130 (107) | 53% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 51.7 | | 30 (20) - 130 (109) | 52% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 78.7 | | 30 (10) - 130 (116) | 52% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 36.8 | | 30 (10) - 130 (105) | 37% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 122000 | 6.898 | | | |
| 1146-65-2 | Naphthalene-d8 | 452000 | 8.181 | | | |
| 15067-26-2 | Acenaphthene-d10 | 217000 | 9.939 | | | |
| 1517-22-2 | Phenanthrene-d10 | 322000 | 11.428 | | | |
| 1719-03-5 | Chrysene-d12 | 235000 | 14.069 | | | |
| 1520-96-3 | Perylene-d12 | 280000 | 15.563 | | | |

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