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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 06/03/25 |
| Project: | Con Ed Non MGP – Atlantic Ave 453957.600024.05 | Date Received: | 06/03/25 |
| Client Sample ID: | MW-12-20250603DL | SDG No.: | Q2202 |
| Lab Sample ID: | Q2202-03DL | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 980 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050274.D | 10 | 06/06/25 08:35 | 06/10/25 12:38 | PB168323 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 39.9 | UD | 39.9 | 100 | ug/L |
| 108-95-2 | Phenol | 9.30 | UD | 9.30 | 51.0 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 8.30 | UD | 8.30 | 51.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | 5.90 | UD | 5.90 | 51.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 11.4 | UD | 11.4 | 51.0 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 13.1 | UD | 13.1 | 51.0 | ug/L |
| 98-86-2 | Acetophenone | 7.60 | UD | 7.60 | 51.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 11.2 | UD | 11.2 | 100 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 14.4 | UD | 14.4 | 25.5 | ug/L |
| 67-72-1 | Hexachloroethane | 6.60 | UD | 6.60 | 51.0 | ug/L |
| 98-95-3 | Nitrobenzene | 7.80 | UD | 7.80 | 51.0 | ug/L |
| 78-59-1 | Isophorone | 7.70 | UD | 7.70 | 51.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 18.0 | UD | 18.0 | 51.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 18.9 | UD | 18.9 | 51.0 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 6.90 | UD | 6.90 | 51.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 5.30 | UD | 5.30 | 51.0 | ug/L |
| 91-20-3 | Naphthalene | 770 | D | 5.10 | 51.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | 8.60 | UD | 8.60 | 51.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.50 | UD | 5.50 | 51.0 | ug/L |
| 105-60-2 | Caprolactam | 11.5 | UD | 11.5 | 100 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 6.00 | UD | 6.00 | 51.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 160 | D | 5.70 | 51.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 37.0 | UD | 37.0 | 100 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.20 | UD | 5.20 | 51.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.30 | UD | 6.30 | 51.0 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 42.6 | JD | 5.40 | 51.0 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 6.20 | UD | 6.20 | 51.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | 12.9 | UD | 12.9 | 51.0 | ug/L |
| 131-11-3 | Dimethylphthalate | 6.20 | UD | 6.20 | 51.0 | ug/L |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 7.70 | UD | 7.70 | 51.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 9.40 | UD | 9.40 | 51.0 | ug/L |
| 99-09-2 | 3-Nitroaniline | 10.7 | UD | 10.7 | 51.0 | ug/L |
| 83-32-9 | Acenaphthene | 87.3 | D | 5.60 | 51.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 60.9 | UD | 60.9 | 100 | ug/L |
| 100-02-7 | 4-Nitrophenol | 24.3 | UD | 24.3 | 100 | ug/L |
| 132-64-9 | Dibenzofuran | 6.20 | UD | 6.20 | 51.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.4 | UD | 12.4 | 51.0 | ug/L |
| 84-66-2 | Diethylphthalate | 7.00 | UD | 7.00 | 51.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 6.90 | UD | 6.90 | 51.0 | ug/L |
| 86-73-7 | Fluorene | 31.9 | JD | 6.40 | 51.0 | ug/L |
| 100-01-6 | 4-Nitroaniline | 15.3 | UD | 15.3 | 51.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 29.4 | UD | 29.4 | 100 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 5.90 | UD | 5.90 | 51.0 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.10 | UD | 4.10 | 51.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.30 | UD | 5.30 | 51.0 | ug/L |
| 1912-24-9 | Atrazine | 10.3 | UD | 10.3 | 51.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 16.1 | UD | 16.1 | 100 | ug/L |
| 85-01-8 | Phenanthrene | 50.9 | JD | 5.10 | 51.0 | ug/L |
| 120-12-7 | Anthracene | 6.20 | UD | 6.20 | 51.0 | ug/L |
| 86-74-8 | Carbazole | 7.30 | UD | 7.30 | 51.0 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 12.4 | UD | 12.4 | 51.0 | ug/L |
| 206-44-0 | Fluoranthene | 8.40 | UD | 8.40 | 51.0 | ug/L |
| 129-00-0 | Pyrene | 5.10 | UD | 5.10 | 51.0 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 19.7 | UD | 19.7 | 51.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 9.50 | UD | 9.50 | 100 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.60 | UD | 4.60 | 51.0 | ug/L |
| 218-01-9 | Chrysene | 4.50 | UD | 4.50 | 51.0 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 16.3 | UD | 16.3 | 51.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 23.9 | UD | 23.9 | 100 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 5.00 | UD | 5.00 | 51.0 | ug/L |

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|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4.90 | UD | 4.90 | 51.0 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 5.60 | UD | 5.60 | 51.0 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 6.00 | UD | 6.00 | 51.0 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 6.80 | UD | 6.80 | 51.0 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 7.00 | UD | 7.00 | 51.0 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 5.30 | UD | 5.30 | 51.0 | ug/L |
| 123-91-1 | 1,4-Dioxane | 10.2 | UD | 10.2 | 51.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 7.30 | UD | 7.30 | 51.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 101 | | 23 - 138 | 67% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 56.9 | | 10 - 134 | 38% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 93.2 | | 67 - 132 | 93% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 98.7 | | 52 - 132 | 99% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 149 | | 44 - 137 | 99% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 106 | | 42 - 152 | 106% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 335000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1360000 | 10.551 | | | |
| 15067-26-2 | Acenaphthene-d10 | 771000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1510000 | 17.133 | | | |
| 1719-03-5 | Chrysene-d12 | 1640000 | 21.362 | | | |
| 1520-96-3 | Perylene-d12 | 1720000 | 24.339 | | | |

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