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: | 06/05/25 |
| Project: | Con Ed Non MGP – Atlantic Ave 453957.600024.05 | Date Received: | 06/06/25 |
| Client Sample ID: | MW-2-20250605-A | SDG No.: | Q2268 |
| Lab Sample ID: | Q2268-06 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 960 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 |
|---|---|---|---|---|
| BF142737.D | 1 | 06/10/25 08:10 | 06/11/25 16:19 | PB168376 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 4.10 | U | 4.10 | 10.4 | ug/L |
| 108-95-2 | Phenol | 0.95 | U | 0.95 | 5.20 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.84 | U | 0.84 | 5.20 | ug/L |
| 95-57-8 | 2-Chlorophenol | 0.60 | U | 0.60 | 5.20 | ug/L |
| 95-48-7 | 2-Methylphenol | 1.20 | U | 1.20 | 5.20 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1.30 | U | 1.30 | 5.20 | ug/L |
| 98-86-2 | Acetophenone | 0.77 | U | 0.77 | 5.20 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.10 | U | 1.10 | 10.4 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1.50 | U | 1.50 | 2.60 | ug/L |
| 67-72-1 | Hexachloroethane | 0.68 | U | 0.68 | 5.20 | ug/L |
| 98-95-3 | Nitrobenzene | 0.79 | U | 0.79 | 5.20 | ug/L |
| 78-59-1 | Isophorone | 0.78 | U | 0.78 | 5.20 | ug/L |
| 88-75-5 | 2-Nitrophenol | 1.80 | U | 1.80 | 5.20 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 3.80 | J | 1.90 | 5.20 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.71 | U | 0.71 | 5.20 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 0.54 | U | 0.54 | 5.20 | ug/L |
| 91-20-3 | Naphthalene | 110 | E | 0.52 | 5.20 | ug/L |
| 106-47-8 | 4-Chloroaniline | 0.88 | U | 0.88 | 5.20 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.56 | U | 0.56 | 5.20 | ug/L |
| 105-60-2 | Caprolactam | 1.20 | U | 1.20 | 10.4 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.61 | U | 0.61 | 5.20 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 38.8 | | 0.58 | 5.20 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 3.80 | U | 3.80 | 10.4 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.53 | U | 0.53 | 5.20 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.65 | U | 0.65 | 5.20 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 0.55 | U | 0.55 | 5.20 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 0.64 | U | 0.64 | 5.20 | ug/L |
| 88-74-4 | 2-Nitroaniline | 1.30 | U | 1.30 | 5.20 | ug/L |
| 131-11-3 | Dimethylphthalate | 0.64 | U | 0.64 | 5.20 | ug/L |

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| Project: | Con Ed Non MGP – Atlantic Ave 453957.600024.05 | Date Received: | 06/06/25 |
| Client Sample ID: | MW-2-20250605-A | SDG No.: | Q2268 |
| Lab Sample ID: | Q2268-06 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 960 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 |
|---|---|---|---|---|
| BF142737.D | 1 | 06/10/25 08:10 | 06/11/25 16:19 | PB168376 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 0.78 | U | 0.78 | 5.20 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 0.96 | U | 0.96 | 5.20 | ug/L |
| 99-09-2 | 3-Nitroaniline | 1.10 | U | 1.10 | 5.20 | ug/L |
| 83-32-9 | Acenaphthene | 0.57 | U | 0.57 | 5.20 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 6.20 | U | 6.20 | 10.4 | ug/L |
| 100-02-7 | 4-Nitrophenol | 2.50 | U | 2.50 | 10.4 | ug/L |
| 132-64-9 | Dibenzofuran | 0.64 | U | 0.64 | 5.20 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 1.30 | U | 1.30 | 5.20 | ug/L |
| 84-66-2 | Diethylphthalate | 0.72 | U | 0.72 | 5.20 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.71 | U | 0.71 | 5.20 | ug/L |
| 86-73-7 | Fluorene | 0.66 | U | 0.66 | 5.20 | ug/L |
| 100-01-6 | 4-Nitroaniline | 1.60 | U | 1.60 | 5.20 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3.00 | U | 3.00 | 10.4 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 0.60 | U | 0.60 | 5.20 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.42 | U | 0.42 | 5.20 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.54 | U | 0.54 | 5.20 | ug/L |
| 1912-24-9 | Atrazine | 1.10 | U | 1.10 | 5.20 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.60 | U | 1.60 | 10.4 | ug/L |
| 85-01-8 | Phenanthrene | 0.52 | U | 0.52 | 5.20 | ug/L |
| 120-12-7 | Anthracene | 0.64 | U | 0.64 | 5.20 | ug/L |
| 86-74-8 | Carbazole | 2.40 | J | 0.75 | 5.20 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 1.30 | U | 1.30 | 5.20 | ug/L |
| 206-44-0 | Fluoranthene | 0.85 | U | 0.85 | 5.20 | ug/L |
| 129-00-0 | Pyrene | 0.52 | U | 0.52 | 5.20 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 2.00 | U | 2.00 | 5.20 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 0.97 | U | 0.97 | 10.4 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.47 | U | 0.47 | 5.20 | ug/L |
| 218-01-9 | Chrysene | 0.46 | U | 0.46 | 5.20 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1.70 | U | 1.70 | 5.20 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 2.40 | U | 2.40 | 10.4 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.51 | U | 0.51 | 5.20 | ug/L |

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| Client Sample ID: | MW-2-20250605-A | SDG No.: | Q2268 |
| Lab Sample ID: | Q2268-06 | Matrix: | Water |
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| 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 |
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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 0.50 | U | 0.50 | 5.20 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.57 | U | 0.57 | 5.20 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.61 | U | 0.61 | 5.20 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.70 | U | 0.70 | 5.20 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.72 | U | 0.72 | 5.20 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.54 | U | 0.54 | 5.20 | ug/L |
| 123-91-1 | 1,4-Dioxane | 1.00 | U | 1.00 | 5.20 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.75 | U | 0.75 | 5.20 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 62.1 | | 23 - 138 | 41% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 45.9 | | 10 - 134 | 31% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 82.0 | | 67 - 132 | 82% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 84.3 | | 52 - 132 | 84% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 123 | | 44 - 137 | 82% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 58.7 | | 42 - 152 | 59% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 56900 | 6.893 | | | |
| 1146-65-2 | Naphthalene-d8 | 200000 | 8.175 | | | |
| 15067-26-2 | Acenaphthene-d10 | 99400 | 9.928 | | | |
| 1517-22-2 | Phenanthrene-d10 | 153000 | 11.416 | | | |
| 1719-03-5 | Chrysene-d12 | 136000 | 14.063 | | | |
| 1520-96-3 | Perylene-d12 | 159000 | 15.557 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 002738-19-4 | 2-Hexene, 2-methyl- | 11.4 | J | | 2.57 | ug/L |
| 001528-22-9 | Cyclobutane, (1-methylethylidene)- | 10.9 | J | | 3.68 | ug/L |
| 000591-49-1 | Cyclohexene, 1-methyl- | 6.80 | J | | 4.04 | ug/L |
| 000473-91-6 | Cyclopentene, 1,2,3-trimethyl- | 9.90 | J | | 4.66 | ug/L |
| 000108-38-3 | Benzene, 1,3-dimethyl- | 160 | J | | 5.39 | ug/L |
| 000098-82-8 | Benzene, (1-methylethyl)- | 20.7 | J | | 6.06 | ug/L |
| 003647-71-0 | N-Benzyl-2-phenethylamine | 34.7 | J | | 6.35 | ug/L |

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| Lab Sample ID: | Q2268-06 | Matrix: | Water |
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| 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 |
|---|---|---|---|---|
| BF142737.D | 1 | 06/10/25 08:10 | 06/11/25 16:19 | PB168376 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 000622-96-8 | Benzene, 1-ethyl-4-methyl- | 52.6 | J | | 6.58 | ug/L |
| 000526-73-8 | Benzene, 1,2,3-trimethyl- | 150 | J | | 6.72 | ug/L |
| 1000191-13-7 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-no | 130 | J | | 7.08 | ug/L |
| 000141-93-5 | Benzene, 1,3-diethyl- | 26.1 | J | | 7.14 | ug/L |
| 000105-05-5 | Benzene, 1,4-diethyl- | 31.6 | J | | 7.21 | ug/L |
| 001074-55-1 | Benzene, 1-methyl-4-propyl- | 16.2 | J | | 7.29 | ug/L |
| 000527-84-4 | o-Cymene | 20.2 | J | | 7.36 | ug/L |
| 002039-89-6 | Benzene, 2-ethenyl-1,4-dimethyl- | 10.0 | J | | 7.91 | ug/L |
| 90-12-0 | 1-Methylnaphthalene | 21.3 | J | | 8.99 | ug/L |
| 039627-61-7 | 7-Methylindan-1-one | 8.20 | J | | 9.18 | ug/L |
| 000619-04-5 | Benzoic acid, 3,4-dimethyl- | 6.70 | J | | 9.33 | ug/L |
| 065898-38-6 | Indane-5-carboxylic acid | 8.00 | J | | 10.2 | ug/L |

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