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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Langan Engineering and Environmental Services, Inc | | | Date Collected: | |
| Project: | Con Edison Richmond Terrace | | | Date Received: | |
| Client Sample ID: | PB170067BS | | | SDG No.: | Q3323 |
| Lab Sample ID: | PB170067BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level : | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 10/13/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 920 | | 1 | 160 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 108-95-2 | Phenol | 1400 | | 1 | 22.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 111-44-4 | bis(2-Chloroethyl)ether | 1400 | | 1 | 24.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 95-57-8 | 2-Chlorophenol | 1500 | | 1 | 24.4 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 95-48-7 | 2-Methylphenol | 1500 | | 1 | 29.9 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1500 | | 1 | 37.5 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 98-86-2 | Acetophenone | 1600 | | 1 | 29.5 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 65794-96-9 | 3+4-Methylphenols | 1400 | | 1 | 41.1 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1400 | | 1 | 47.4 | 79.9 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 67-72-1 | Hexachloroethane | 1400 | | 1 | 17.6 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 98-95-3 | Nitrobenzene | 1500 | | 1 | 18.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 78-59-1 | Isophorone | 1500 | | 1 | 32.8 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 88-75-5 | 2-Nitrophenol | 1700 | | 1 | 58.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 105-67-9 | 2,4-Dimethylphenol | 1600 | | 1 | 64.7 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1500 | | 1 | 30.8 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 120-83-2 | 2,4-Dichlorophenol | 1500 | | 1 | 28.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 91-20-3 | Naphthalene | 1400 | | 1 | 22.7 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 106-47-8 | 4-Chloroaniline | 730 | | 1 | 35.4 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 87-68-3 | Hexachlorobutadiene | 1400 | | 1 | 25.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 105-60-2 | Caprolactam | 1600 | | 1 | 52.0 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | | 1 | 28.7 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 91-57-6 | 2-Methylnaphthalene | 1300 | | 1 | 25.6 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 77-47-4 | Hexachlorocyclopentadiene | 3700 | E | 1 | 120 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 88-06-2 | 2,4,6-Trichlorophenol | 1500 | | 1 | 19.8 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 95-95-4 | 2,4,5-Trichlorophenol | 1500 | | 1 | 29.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 92-52-4 | 1,1-Biphenyl | 1600 | | 1 | 21.8 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 91-58-7 | 2-Chloronaphthalene | 1500 | | 1 | 22.5 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 88-74-4 | 2-Nitroaniline | 1700 | | 1 | 48.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 131-11-3 | Dimethylphthalate | 1500 | | 1 | 27.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 208-96-8 | Acenaphthylene | 1600 | | 1 | 28.9 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 606-20-2 | 2,6-Dinitrotoluene | 1700 | | 1 | 33.6 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 99-09-2 | 3-Nitroaniline | 1100 | | 1 | 46.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 83-32-9 | Acenaphthene | 1500 | | 1 | 21.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 51-28-5 | 2,4-Dinitrophenol | 2800 | E | 1 | 230 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 100-02-7 | 4-Nitrophenol | 3000 | E | 1 | 110 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 132-64-9 | Dibenzofuran | 1500 | | 1 | 22.7 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 121-14-2 | 2,4-Dinitrotoluene | 1700 | | 1 | 50.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 84-66-2 | Diethylphthalate | 1500 | | 1 | 28.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1400 | | 1 | 26.7 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 86-73-7 | Fluorene | 1500 | | 1 | 25.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 100-01-6 | 4-Nitroaniline | 1600 | | 1 | 64.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1800 | | 1 | 100 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |

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| Project: | Con Edison Richmond Terrace | | | Date Received: | |
| Client Sample ID: | PB170067BS | | | SDG No.: | Q3323 |
| Lab Sample ID: | PB170067BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level : | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 10/13/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 1500 | | 1 | 32.9 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 101-55-3 | 4-Bromophenyl-phenylether | 1400 | | 1 | 27.8 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 118-74-1 | Hexachlorobenzene | 1500 | | 1 | 25.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 1912-24-9 | Atrazine | 1600 | | 1 | 34.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 87-86-5 | Pentachlorophenol | 2700 | E | 1 | 51.2 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 85-01-8 | Phenanthrene | 1400 | | 1 | 20.9 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 120-12-7 | Anthracene | 1400 | | 1 | 33.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 86-74-8 | Carbazole | 1500 | | 1 | 31.2 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 84-74-2 | Di-n-butylphthalate | 1500 | | 1 | 47.9 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 206-44-0 | Fluoranthene | 1500 | | 1 | 30.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 129-00-0 | Pyrene | 1500 | | 1 | 36.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 85-68-7 | Butylbenzylphthalate | 1700 | | 1 | 71.3 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 91-94-1 | 3,3-Dichlorobenzidine | 860 | | 1 | 36.7 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 56-55-3 | Benzo(a)anthracene | 1500 | | 1 | 23.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 218-01-9 | Chrysene | 1500 | | 1 | 19.9 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1700 | | 1 | 59.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 117-84-0 | Di-n-octyl phthalate | 1600 | | 1 | 86.7 | 330 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 205-99-2 | Benzo(b)fluoranthene | 1400 | | 1 | 19.0 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 207-08-9 | Benzo(k)fluoranthene | 1600 | | 1 | 22.4 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 50-32-8 | Benzo(a)pyrene | 1600 | | 1 | 29.5 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1600 | | 1 | 29.1 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 53-70-3 | Dibenzo(a,h)anthracene | 1700 | | 1 | 27.4 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 191-24-2 | Benzo(g,h,i)perylene | 1700 | | 1 | 25.7 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1600 | | 1 | 25.6 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 123-91-1 | 1,4-Dioxane | 1300 | | 1 | 45.2 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1600 | | 1 | 27.4 | 170 | ug/Kg | 10/14/25 15:37 | PB170067 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 116 | | | 18 - 112 | 77% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 116 | | | 15 - 107 | 77% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 85.4 | | | 18 - 107 | 85% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 78.8 | | | 20 - 109 | 79% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 127 | | | 10 - 116 | 84% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 93.5 | | | 10 - 105 | 94% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 119000 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 464000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 250000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 432000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 248000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 244000 | | | | | | | |

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| Lab Sample ID: | PB170067BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level : | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 10/13/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|

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