

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | PSEG                | Date Collected: | 05/20/25         |
| Project:           | Waldwick Substation | Date Received:  | 05/20/25         |
| Client Sample ID:  | ETGI-357            | SDG No.:        | Q2097            |
| Lab Sample ID:     | Q2097-01            | Matrix:         | SOIL             |
| Analytical Method: | 8270E               | % Solid:        | 89.8             |
| Sample Wt/Vol:     | 50.07               | Units:          | g                |
| Soil Aliquot Vol:  |                     | Final Vol:      | 1000 uL          |
| Extraction Type :  |                     | Test:           | SVOC-TCL BNA -20 |
|                    | Decanted :          | Level :         | LOW              |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024766.D        | 1         | 05/21/25 10:00 | 05/22/25 19:45 | PB168104      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|-------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |       |            |                   |
| 100-52-7       | Benzaldehyde                | 0.22  | U         | 0.10  | 0.22       | mg/Kg             |
| 108-95-2       | Phenol                      | 0.11  | U         | 0.015 | 0.11       | mg/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.11  | U         | 0.016 | 0.11       | mg/Kg             |
| 95-57-8        | 2-Chlorophenol              | 0.11  | U         | 0.016 | 0.11       | mg/Kg             |
| 95-48-7        | 2-Methylphenol              | 0.11  | U         | 0.020 | 0.11       | mg/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 0.11  | U         | 0.025 | 0.11       | mg/Kg             |
| 98-86-2        | Acetophenone                | 0.11  | U         | 0.020 | 0.11       | mg/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 0.22  | U         | 0.027 | 0.22       | mg/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 0.053 | U         | 0.032 | 0.053      | mg/Kg             |
| 67-72-1        | Hexachloroethane            | 0.11  | U         | 0.012 | 0.11       | mg/Kg             |
| 98-95-3        | Nitrobenzene                | 0.11  | U         | 0.012 | 0.11       | mg/Kg             |
| 78-59-1        | Isophorone                  | 0.11  | U         | 0.022 | 0.11       | mg/Kg             |
| 88-75-5        | 2-Nitrophenol               | 0.11  | U         | 0.039 | 0.11       | mg/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 0.11  | U         | 0.043 | 0.11       | mg/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.11  | U         | 0.021 | 0.11       | mg/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 0.11  | U         | 0.019 | 0.11       | mg/Kg             |
| 91-20-3        | Naphthalene                 | 0.11  | U         | 0.015 | 0.11       | mg/Kg             |
| 106-47-8       | 4-Chloroaniline             | 0.11  | U         | 0.024 | 0.11       | mg/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 0.11  | U         | 0.017 | 0.11       | mg/Kg             |
| 105-60-2       | Caprolactam                 | 0.22  | U         | 0.035 | 0.22       | mg/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.11  | U         | 0.019 | 0.11       | mg/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 0.11  | U         | 0.017 | 0.11       | mg/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 0.22  | U         | 0.077 | 0.22       | mg/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.11  | U         | 0.013 | 0.11       | mg/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.11  | U         | 0.019 | 0.11       | mg/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 0.11  | U         | 0.015 | 0.11       | mg/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 0.11  | U         | 0.015 | 0.11       | mg/Kg             |
| 88-74-4        | 2-Nitroaniline              | 0.11  | U         | 0.032 | 0.11       | mg/Kg             |
| 131-11-3       | Dimethylphthalate           | 0.11  | U         | 0.018 | 0.11       | mg/Kg             |

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| Lab Sample ID:     | Q2097-01            | Matrix:         | SOIL                 |
| Analytical Method: | 8270E               | % Solid:        | 89.8                 |
| Sample Wt/Vol:     | 50.07               | Units:          | g                    |
| Soil Aliquot Vol:  |                     | Final Vol:      | 1000 uL              |
| Extraction Type :  |                     | Test:           | SVOC-TCL BNA -20     |
|                    | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | 1.0             | GPC Cleanup : N PH : |
| Prep Method :      | SW3541              |                 |                      |

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| BP024766.D        | 1         | 05/21/25 10:00 | 05/22/25 19:45 | PB168104      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 0.11  | U         | 0.019 | 0.11       | mg/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.11  | U         | 0.022 | 0.11       | mg/Kg             |
| 99-09-2    | 3-Nitroaniline             | 0.11  | U         | 0.031 | 0.11       | mg/Kg             |
| 83-32-9    | Acenaphthene               | 0.11  | U         | 0.014 | 0.11       | mg/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 0.22  | U         | 0.15  | 0.22       | mg/Kg             |
| 100-02-7   | 4-Nitrophenol              | 0.22  | U         | 0.071 | 0.22       | mg/Kg             |
| 132-64-9   | Dibenzofuran               | 0.11  | U         | 0.015 | 0.11       | mg/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 0.11  | U         | 0.033 | 0.11       | mg/Kg             |
| 84-66-2    | Diethylphthalate           | 0.11  | U         | 0.019 | 0.11       | mg/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.11  | U         | 0.018 | 0.11       | mg/Kg             |
| 86-73-7    | Fluorene                   | 0.11  | U         | 0.017 | 0.11       | mg/Kg             |
| 100-01-6   | 4-Nitroaniline             | 0.11  | U         | 0.043 | 0.11       | mg/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 0.22  | U         | 0.069 | 0.22       | mg/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.11  | U         | 0.022 | 0.11       | mg/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.11  | U         | 0.019 | 0.11       | mg/Kg             |
| 118-74-1   | Hexachlorobenzene          | 0.11  | U         | 0.017 | 0.11       | mg/Kg             |
| 1912-24-9  | Atrazine                   | 0.11  | U         | 0.023 | 0.11       | mg/Kg             |
| 87-86-5    | Pentachlorophenol          | 0.22  | U         | 0.034 | 0.22       | mg/Kg             |
| 85-01-8    | Phenanthrene               | 0.11  | U         | 0.014 | 0.11       | mg/Kg             |
| 120-12-7   | Anthracene                 | 0.11  | U         | 0.022 | 0.11       | mg/Kg             |
| 86-74-8    | Carbazole                  | 0.11  | U         | 0.021 | 0.11       | mg/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 0.11  | U         | 0.032 | 0.11       | mg/Kg             |
| 206-44-0   | Fluoranthene               | 0.11  | U         | 0.020 | 0.11       | mg/Kg             |
| 129-00-0   | Pyrene                     | 0.11  | U         | 0.024 | 0.11       | mg/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 0.11  | U         | 0.048 | 0.11       | mg/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 0.22  | U         | 0.025 | 0.22       | mg/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 0.11  | U         | 0.015 | 0.11       | mg/Kg             |
| 218-01-9   | Chrysene                   | 0.11  | U         | 0.013 | 0.11       | mg/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 0.11  | U         | 0.040 | 0.11       | mg/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 0.22  | U         | 0.058 | 0.22       | mg/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 0.11  | U         | 0.013 | 0.11       | mg/Kg             |

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|---------------------------|----------------------------|--------|-----------|----------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 0.11   | U         | 0.015    | 0.11       | mg/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 0.11   | U         | 0.020    | 0.11       | mg/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 0.11   | U         | 0.019    | 0.11       | mg/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 0.11   | U         | 0.018    | 0.11       | mg/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 0.11   | U         | 0.017    | 0.11       | mg/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 0.11   | U         | 0.017    | 0.11       | mg/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 0.11   | U         | 0.030    | 0.11       | mg/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 0.11   | U         | 0.018    | 0.11       | mg/Kg             |
| <b>SURROGATES</b>         |                            |        |           |          |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 85.5   |           | 18 - 112 | 57%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 83.9   |           | 15 - 107 | 56%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 47.5   |           | 18 - 107 | 47%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 48.3   |           | 20 - 109 | 48%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 102    |           | 10 - 116 | 68%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 49.0   |           | 10 - 105 | 49%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 116000 | 7.652     |          |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 479000 | 10.416    |          |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 323000 | 14.287    |          |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 667000 | 17.081    |          |            |                   |
| 1719-03-5                 | Chrysene-d12               | 776000 | 21.516    |          |            |                   |
| 1520-96-3                 | Perylene-d12               | 940000 | 24.798    |          |            |                   |

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