

## Report of Analysis

Client: PSEG  
Project: Sewaren Central Maintenance Shop  
Client Sample ID: VNJ-245  
Lab Sample ID: Q3381-03  
Analytical Method: 8270E Level : LOW  
Sample Wt/Vol: 50.09 g Final Vol: 1000 uL  
Prep Method : SW3541 Prep Date: 10/20/25

Date Collected: 10/17/25  
Date Received: 10/17/25  
SDG No.: Q3381  
Matrix: SOIL  
% Solid: 81.6  
Test: SVOC-TCL BNA -20

| CAS Number     | Parameter                   | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | Prep BatchID |
|----------------|-----------------------------|-------|------|----|-------|------------|-------|----------------|--------------|
| <b>TARGETS</b> |                             |       |      |    |       |            |       |                |              |
| 100-52-7       | Benzaldehyde                | 0.24  | U    | 1  | 0.11  | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 108-95-2       | Phenol                      | 0.12  | U    | 1  | 0.016 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.12  | U    | 1  | 0.018 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 95-57-8        | 2-Chlorophenol              | 0.12  | U    | 1  | 0.018 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 95-48-7        | 2-Methylphenol              | 0.12  | U    | 1  | 0.022 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 0.12  | U    | 1  | 0.028 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 98-86-2        | Acetophenone                | 0.12  | U    | 1  | 0.022 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 65794-96-9     | 3+4-Methylphenols           | 0.24  | U    | 1  | 0.030 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 0.059 | U    | 1  | 0.035 | 0.059      | mg/Kg | 10/20/25 15:29 | PB170165     |
| 67-72-1        | Hexachloroethane            | 0.12  | U    | 1  | 0.013 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 98-95-3        | Nitrobenzene                | 0.12  | U    | 1  | 0.013 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 78-59-1        | Isophorone                  | 0.12  | U    | 1  | 0.024 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 88-75-5        | 2-Nitrophenol               | 0.12  | U    | 1  | 0.043 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 105-67-9       | 2,4-Dimethylphenol          | 0.12  | U    | 1  | 0.048 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.12  | U    | 1  | 0.023 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 120-83-2       | 2,4-Dichlorophenol          | 0.12  | U    | 1  | 0.021 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 91-20-3        | Naphthalene                 | 0.12  | U    | 1  | 0.017 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 106-47-8       | 4-Chloroaniline             | 0.12  | U    | 1  | 0.026 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 87-68-3        | Hexachlorobutadiene         | 0.12  | U    | 1  | 0.019 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 105-60-2       | Caprolactam                 | 0.24  | U    | 1  | 0.038 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.12  | U    | 1  | 0.021 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 91-57-6        | 2-Methylnaphthalene         | 0.12  | U    | 1  | 0.019 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 77-47-4        | Hexachlorocyclopentadiene   | 0.24  | U    | 1  | 0.085 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.12  | U    | 1  | 0.015 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.12  | U    | 1  | 0.021 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 92-52-4        | 1,1-Biphenyl                | 0.12  | U    | 1  | 0.016 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 91-58-7        | 2-Chloronaphthalene         | 0.12  | U    | 1  | 0.017 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 88-74-4        | 2-Nitroaniline              | 0.12  | U    | 1  | 0.035 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 131-11-3       | Dimethylphthalate           | 0.12  | U    | 1  | 0.020 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 208-96-8       | Acenaphthylene              | 0.12  | U    | 1  | 0.021 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 606-20-2       | 2,6-Dinitrotoluene          | 0.12  | U    | 1  | 0.025 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 99-09-2        | 3-Nitroaniline              | 0.12  | U    | 1  | 0.034 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 83-32-9        | Acenaphthene                | 0.12  | U    | 1  | 0.016 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 51-28-5        | 2,4-Dinitrophenol           | 0.24  | U    | 1  | 0.17  | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 100-02-7       | 4-Nitrophenol               | 0.24  | U    | 1  | 0.079 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 132-64-9       | Dibenzofuran                | 0.12  | U    | 1  | 0.017 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 121-14-2       | 2,4-Dinitrotoluene          | 0.12  | U    | 1  | 0.037 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 84-66-2        | Diethylphthalate            | 0.12  | U    | 1  | 0.021 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 7005-72-3      | 4-Chlorophenyl-phenylether  | 0.12  | U    | 1  | 0.020 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 86-73-7        | Fluorene                    | 0.12  | U    | 1  | 0.019 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 100-01-6       | 4-Nitroaniline              | 0.12  | U    | 1  | 0.047 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 534-52-1       | 4,6-Dinitro-2-methylphenol  | 0.24  | U    | 1  | 0.076 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |

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|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | PSEG                             | Date Collected: | 10/17/25         |
| Project:           | Sewaren Central Maintenance Shop | Date Received:  | 10/17/25         |
| Client Sample ID:  | VNJ-245                          | SDG No.:        | Q3381            |
| Lab Sample ID:     | Q3381-03                         | Matrix:         | SOIL             |
| Analytical Method: | 8270E                            | % Solid:        | 81.6             |
| Sample Wt/Vol:     | 50.09 g                          | Test:           | SVOC-TCL BNA -20 |
| Prep Method :      | SW3541                           | Level :         | LOW              |
|                    |                                  | Final Vol:      | 1000 uL          |
|                    |                                  | Prep Date:      | 10/20/25         |

| CAS Number | Parameter                  | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | Prep BatchID |
|------------|----------------------------|-------|------|----|-------|------------|-------|----------------|--------------|
| 86-30-6    | n-Nitrosodiphenylamine     | 0.12  | U    | 1  | 0.024 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.12  | U    | 1  | 0.020 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 118-74-1   | Hexachlorobenzene          | 0.12  | U    | 1  | 0.019 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 1912-24-9  | Atrazine                   | 0.12  | U    | 1  | 0.025 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 87-86-5    | Pentachlorophenol          | 0.24  | U    | 1  | 0.038 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 85-01-8    | Phenanthrene               | 0.21  |      | 1  | 0.015 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 120-12-7   | Anthracene                 | 0.12  |      | 1  | 0.024 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 86-74-8    | Carbazole                  | 0.12  | U    | 1  | 0.023 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 84-74-2    | Di-n-butylphthalate        | 0.12  | U    | 1  | 0.035 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 206-44-0   | Fluoranthene               | 0.33  |      | 1  | 0.022 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 129-00-0   | Pyrene                     | 0.24  |      | 1  | 0.026 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 85-68-7    | Butylbenzylphthalate       | 0.12  | U    | 1  | 0.052 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 91-94-1    | 3,3-Dichlorobenzidine      | 0.24  | U    | 1  | 0.027 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 56-55-3    | Benzo(a)anthracene         | 0.23  |      | 1  | 0.017 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 218-01-9   | Chrysene                   | 0.36  |      | 1  | 0.015 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 0.12  | U    | 1  | 0.044 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 117-84-0   | Di-n-octyl phthalate       | 0.24  | U    | 1  | 0.064 | 0.24       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 205-99-2   | Benzo(b)fluoranthene       | 0.42  |      | 1  | 0.014 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 207-08-9   | Benzo(k)fluoranthene       | 0.13  |      | 1  | 0.016 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 50-32-8    | Benzo(a)pyrene             | 0.25  |      | 1  | 0.022 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 0.12  |      | 1  | 0.021 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 53-70-3    | Dibenzo(a,h)anthracene     | 0.051 | J    | 1  | 0.020 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 191-24-2   | Benzo(g,h,i)perylene       | 0.13  |      | 1  | 0.019 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 0.12  | U    | 1  | 0.019 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 123-91-1   | 1,4-Dioxane                | 0.12  | U    | 1  | 0.033 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 0.12  | U    | 1  | 0.020 | 0.12       | mg/Kg | 10/20/25 15:29 | PB170165     |

### SURROGATES

|            |                      |      |  |          |     |          |
|------------|----------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 99.7 |  | 18 - 112 | 66% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 101  |  | 15 - 107 | 67% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 68.7 |  | 18 - 107 | 69% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 54.6 |  | 20 - 109 | 55% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 85.5 |  | 10 - 116 | 57% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 52.5 |  | 10 - 105 | 53% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |
|------------|------------------------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 101000 |
| 1146-65-2  | Naphthalene-d8         | 386000 |
| 15067-26-2 | Acenaphthene-d10       | 196000 |
| 1517-22-2  | Phenanthrene-d10       | 327000 |
| 1719-03-5  | Chrysene-d12           | 246000 |
| 1520-96-3  | Perylene-d12           | 311000 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                       |      |   |      |       |
|-------------|-----------------------|------|---|------|-------|
| 000119-61-9 | Benzophenone          | 130  | J | 10.6 | ug/Kg |
| 000610-48-0 | Anthracene, 1-methyl- | 93.0 | J | 11.9 | ug/Kg |

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|--------------------|----------------------------------|-----------------|------------------|
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| Project:           | Sewaren Central Maintenance Shop | Date Received:  | 10/17/25         |
| Client Sample ID:  | VNJ-245                          | SDG No.:        | Q3381            |
| Lab Sample ID:     | Q3381-03                         | Matrix:         | SOIL             |
| Analytical Method: | 8270E                            | % Solid:        | 81.6             |
| Sample Wt/Vol:     | 50.09 g                          | Test:           | SVOC-TCL BNA -20 |
| Prep Method :      | SW3541                           |                 |                  |
|                    | Level : LOW                      |                 |                  |
|                    | Final Vol: 1000 uL               |                 |                  |
|                    | Prep Date: 10/20/25              |                 |                  |

| CAS Number  | Parameter                    | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|-------------|------------------------------|-------|------|----|-----|------------|-------|-----------|--------------|
| 000243-17-4 | 11H-Benzo[b]fluorene         | 79.5  | J    |    |     | 13.2       | ug/Kg |           |              |
| 002498-76-2 | Benz[a]anthracene, 2-methyl- | 53.6  | J    |    |     | 14.4       | ug/Kg |           |              |
| 000192-97-2 | Benzo[e]pyrene               | 210   | J    |    |     | 15.4       | ug/Kg |           |              |

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