

## Report of Analysis

|                    |                    |                 |                  |
|--------------------|--------------------|-----------------|------------------|
| Client:            | PSEG               | Date Collected: | 11/12/25         |
| Project:           | PSEG Kearny Switch | Date Received:  | 11/12/25         |
| Client Sample ID:  | VNJ-231            | SDG No.:        | Q3621            |
| Lab Sample ID:     | Q3621-02           | Matrix:         | SOIL             |
| Analytical Method: | 8270E              | % Solid:        | 93.1             |
| Sample Wt/Vol:     | 50.04 g            | Test:           | SVOC-TCL BNA -20 |
| Prep Method :      | SW3541             | Level: LOW      |                  |
|                    |                    | Final Vol:      | 1000 uL          |
|                    |                    | Prep Date:      | 11/13/25         |

| CAS Number     | Parameter                   | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | Prep BatchID |
|----------------|-----------------------------|-------|------|----|-------|------------|-------|----------------|--------------|
| <b>TARGETS</b> |                             |       |      |    |       |            |       |                |              |
| 100-52-7       | Benzaldehyde                | 0.21  | U    | 1  | 0.10  | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 108-95-2       | Phenol                      | 0.11  | U    | 1  | 0.014 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.11  | U    | 1  | 0.016 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 95-57-8        | 2-Chlorophenol              | 0.11  | U    | 1  | 0.016 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 95-48-7        | 2-Methylphenol              | 0.11  | U    | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 0.11  | U    | 1  | 0.024 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 98-86-2        | Acetophenone                | 0.11  | U    | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 65794-96-9     | 3+4-Methylphenols           | 0.21  | U    | 1  | 0.027 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 0.052 | U    | 1  | 0.031 | 0.052      | mg/Kg | 11/13/25 16:19 | PB170528     |
| 67-72-1        | Hexachloroethane            | 0.11  | U    | 1  | 0.011 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 98-95-3        | Nitrobenzene                | 0.11  | U    | 1  | 0.012 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 78-59-1        | Isophorone                  | 0.11  | U    | 1  | 0.021 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 88-75-5        | 2-Nitrophenol               | 0.11  | U    | 1  | 0.038 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 105-67-9       | 2,4-Dimethylphenol          | 0.11  | U    | 1  | 0.042 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.11  | U    | 1  | 0.020 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 120-83-2       | 2,4-Dichlorophenol          | 0.11  | U    | 1  | 0.018 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 91-20-3        | Naphthalene                 | 0.11  | U    | 1  | 0.015 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 106-47-8       | 4-Chloroaniline             | 0.11  | U    | 1  | 0.023 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 87-68-3        | Hexachlorobutadiene         | 0.11  | U    | 1  | 0.016 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 105-60-2       | Caprolactam                 | 0.21  | U    | 1  | 0.034 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.11  | U    | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 91-57-6        | 2-Methylnaphthalene         | 0.11  | U    | 1  | 0.017 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 77-47-4        | Hexachlorocyclopentadiene   | 0.21  | U    | 1  | 0.075 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.11  | U    | 1  | 0.013 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.11  | U    | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 92-52-4        | 1,1-Biphenyl                | 0.11  | U    | 1  | 0.014 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 91-58-7        | 2-Chloronaphthalene         | 0.11  | U    | 1  | 0.015 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 88-74-4        | 2-Nitroaniline              | 0.11  | U    | 1  | 0.031 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 131-11-3       | Dimethylphthalate           | 0.11  | U    | 1  | 0.018 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 208-96-8       | Acenaphthylene              | 0.053 | J    | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 606-20-2       | 2,6-Dinitrotoluene          | 0.11  | U    | 1  | 0.022 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 99-09-2        | 3-Nitroaniline              | 0.11  | U    | 1  | 0.030 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 83-32-9        | Acenaphthene                | 0.11  | U    | 1  | 0.014 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 51-28-5        | 2,4-Dinitrophenol           | 0.21  | U    | 1  | 0.15  | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 100-02-7       | 4-Nitrophenol               | 0.21  | U    | 1  | 0.069 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 132-64-9       | Dibenzofuran                | 0.11  | U    | 1  | 0.015 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 121-14-2       | 2,4-Dinitrotoluene          | 0.11  | U    | 1  | 0.032 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 84-66-2        | Diethylphthalate            | 0.11  | U    | 1  | 0.018 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 7005-72-3      | 4-Chlorophenyl-phenylether  | 0.11  | U    | 1  | 0.017 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 86-73-7        | Fluorene                    | 0.046 | J    | 1  | 0.016 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 100-01-6       | 4-Nitroaniline              | 0.11  | U    | 1  | 0.041 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 534-52-1       | 4,6-Dinitro-2-methylphenol  | 0.21  | U    | 1  | 0.066 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |

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| Lab Sample ID:     | Q3621-02            | Matrix:         | SOIL             |
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| Sample Wt/Vol:     | 50.04 g             | Test:           | SVOC-TCL BNA -20 |
| Prep Method :      | SW3541              |                 |                  |
|                    | Level: LOW          |                 |                  |
|                    | Final Vol: 1000 uL  |                 |                  |
|                    | Prep Date: 11/13/25 |                 |                  |

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|------------|----------------------------|-------|------|----|-------|------------|-------|----------------|--------------|
| 86-30-6    | n-Nitrosodiphenylamine     | 0.11  | U    | 1  | 0.021 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.11  | U    | 1  | 0.018 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 118-74-1   | Hexachlorobenzene          | 0.11  | U    | 1  | 0.016 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 1912-24-9  | Atrazine                   | 0.11  | U    | 1  | 0.022 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 87-86-5    | Pentachlorophenol          | 0.21  | U    | 1  | 0.033 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 85-01-8    | Phenanthrene               | 0.50  |      | 1  | 0.014 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 120-12-7   | Anthracene                 | 0.084 | J    | 1  | 0.021 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 86-74-8    | Carbazole                  | 0.058 | J    | 1  | 0.020 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 84-74-2    | Di-n-butylphthalate        | 0.11  | U    | 1  | 0.031 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 206-44-0   | Fluoranthene               | 0.77  |      | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 129-00-0   | Pyrene                     | 0.74  |      | 1  | 0.023 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 85-68-7    | Butylbenzylphthalate       | 0.11  | U    | 1  | 0.046 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 91-94-1    | 3,3-Dichlorobenzidine      | 0.21  | U    | 1  | 0.024 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 56-55-3    | Benzo(a)anthracene         | 0.34  |      | 1  | 0.015 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 218-01-9   | Chrysene                   | 0.44  |      | 1  | 0.013 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 0.072 | J    | 1  | 0.038 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 117-84-0   | Di-n-octyl phthalate       | 0.21  | U    | 1  | 0.056 | 0.21       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 205-99-2   | Benzo(b)fluoranthene       | 0.60  |      | 1  | 0.012 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 207-08-9   | Benzo(k)fluoranthene       | 0.18  |      | 1  | 0.014 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 50-32-8    | Benzo(a)pyrene             | 0.37  |      | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 0.20  |      | 1  | 0.019 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 53-70-3    | Dibenzo(a,h)anthracene     | 0.061 | J    | 1  | 0.018 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 191-24-2   | Benzo(g,h,i)perylene       | 0.24  |      | 1  | 0.017 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 0.11  | U    | 1  | 0.017 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 123-91-1   | 1,4-Dioxane                | 0.11  | U    | 1  | 0.029 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 0.11  | U    | 1  | 0.018 | 0.11       | mg/Kg | 11/13/25 16:19 | PB170528     |

### SURROGATES

|            |                      |      |  |          |     |          |
|------------|----------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 84.5 |  | 10 - 105 | 56% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 84.5 |  | 10 - 103 | 56% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 57.1 |  | 10 - 108 | 57% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 52.7 |  | 10 - 108 | 53% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 96.0 |  | 10 - 116 | 64% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 55.4 |  | 10 - 109 | 55% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |
|------------|------------------------|---------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 326000  |
| 1146-65-2  | Naphthalene-d8         | 1340000 |
| 15067-26-2 | Acenaphthene-d10       | 851000  |
| 1517-22-2  | Phenanthrene-d10       | 1700000 |
| 1719-03-5  | Chrysene-d12           | 1720000 |
| 1520-96-3  | Perylene-d12           | 1950000 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                         |     |   |      |       |
|-------------|-------------------------|-----|---|------|-------|
| 000119-61-9 | Benzophenone            | 140 | J | 15.7 | ug/Kg |
| 002531-84-2 | Phenanthrene, 2-methyl- | 110 | J | 18.0 | ug/Kg |

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|-------------|------------------------------------|-------|------|----|-----|------------|-------|-----------|--------------|
| 000613-12-7 | Anthracene, 2-methyl-              | 300   | J    |    |     | 18.1       | ug/Kg |           |              |
| 000203-64-5 | 4H-Cyclopenta[def]phenanthrene     | 180   | J    |    |     | 18.2       | ug/Kg |           |              |
| 000779-02-2 | Anthracene, 9-methyl-              | 72.1  | J    |    |     | 18.3       | ug/Kg |           |              |
| 056641-38-4 | 1,6-Methano-1H-indene, 2,3,3a,4,5, | 95.9  | J    |    |     | 18.5       | ug/Kg |           |              |
| 000084-65-1 | 9,10-Anthracenedione               | 120   | J    |    |     | 18.6       | ug/Kg |           |              |
| 003674-66-6 | Phenanthrene, 2,5-dimethyl-        | 110   | J    |    |     | 19.0       | ug/Kg |           |              |
| 005737-13-3 | Cyclopenta(def)phenanthrenone      | 81.6  | J    |    |     | 19.1       | ug/Kg |           |              |
| 000057-11-4 | Octadecanoic acid                  | 48.7  | J    |    |     | 19.4       | ug/Kg |           |              |
| 002381-21-7 | Pyrene, 1-methyl-                  | 46.8  | J    |    |     | 20.0       | ug/Kg |           |              |
| 000243-17-4 | 11H-Benzo[b]fluorene               | 90.4  | J    |    |     | 20.2       | ug/Kg |           |              |
| 003442-78-2 | Pyrene, 2-methyl-                  | 44.4  | J    |    |     | 20.3       | ug/Kg |           |              |
| 022108-55-0 | Anthra(2,3-b)thiophene             | 56.9  | J    |    |     | 21.1       | ug/Kg |           |              |
| 000205-82-3 | Benzo[j]fluoranthene               | 99.0  | J    |    |     | 24.1       | ug/Kg |           |              |
| 000192-97-2 | Benzo[e]pyrene                     | 380   | J    |    |     | 24.6       | 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