

## Report of Analysis

|                    |                   |                 |                  |
|--------------------|-------------------|-----------------|------------------|
| Client:            | PSEG              | Date Collected: | 09/11/25         |
| Project:           | Elizabeth Class H | Date Received:  | 09/11/25         |
| Client Sample ID:  | WC-33             | SDG No.:        | Q3082            |
| Lab Sample ID:     | Q3082-09          | Matrix:         | SOIL             |
| Analytical Method: | 8270E             | % Solid:        | 84               |
| Sample Wt/Vol:     | 50.06             | Units:          | g                |
| Soil Aliquot Vol:  |                   |                 | uL               |
| Extraction Type :  |                   | Decanted :      | N                |
| Injection Volume : |                   | GPC Factor :    | 1.0              |
| Prep Method :      | SW3541            | Level :         | LOW              |
|                    |                   | Test:           | SVOC-TCL BNA -20 |
|                    |                   | Final Vol:      | 1000 uL          |
|                    |                   | GPC Cleanup :   | N                |
|                    |                   | PH :            |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF143744.D        | 5         | 09/12/25 09:30 | 09/12/25 20:35 | PB169672      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|-------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |       |            |                   |
| 100-52-7       | Benzaldehyde                | 1.20  | U         | 0.56  | 1.20       | mg/Kg             |
| 108-95-2       | Phenol                      | 0.61  | U         | 0.079 | 0.61       | mg/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.61  | U         | 0.087 | 0.61       | mg/Kg             |
| 95-57-8        | 2-Chlorophenol              | 0.61  | U         | 0.087 | 0.61       | mg/Kg             |
| 95-48-7        | 2-Methylphenol              | 0.61  | U         | 0.11  | 0.61       | mg/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 0.61  | U         | 0.13  | 0.61       | mg/Kg             |
| 98-86-2        | Acetophenone                | 0.61  | U         | 0.11  | 0.61       | mg/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1.20  | U         | 0.15  | 1.20       | mg/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 0.29  | U         | 0.17  | 0.29       | mg/Kg             |
| 67-72-1        | Hexachloroethane            | 0.61  | U         | 0.063 | 0.61       | mg/Kg             |
| 98-95-3        | Nitrobenzene                | 0.61  | U         | 0.065 | 0.61       | mg/Kg             |
| 78-59-1        | Isophorone                  | 0.61  | U         | 0.12  | 0.61       | mg/Kg             |
| 88-75-5        | 2-Nitrophenol               | 0.61  | U         | 0.21  | 0.61       | mg/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 0.61  | U         | 0.23  | 0.61       | mg/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.61  | U         | 0.11  | 0.61       | mg/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 0.61  | U         | 0.10  | 0.61       | mg/Kg             |
| 91-20-3        | Naphthalene                 | 1.20  |           | 0.081 | 0.61       | mg/Kg             |
| 106-47-8       | 4-Chloroaniline             | 0.61  | U         | 0.13  | 0.61       | mg/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 0.61  | U         | 0.090 | 0.61       | mg/Kg             |
| 105-60-2       | Caprolactam                 | 1.20  | U         | 0.19  | 1.20       | mg/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.61  | U         | 0.10  | 0.61       | mg/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 0.64  |           | 0.091 | 0.61       | mg/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 1.20  | U         | 0.41  | 1.20       | mg/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.61  | U         | 0.071 | 0.61       | mg/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.61  | U         | 0.10  | 0.61       | mg/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 0.33  | J         | 0.078 | 0.61       | mg/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 0.61  | U         | 0.080 | 0.61       | mg/Kg             |
| 88-74-4        | 2-Nitroaniline              | 0.61  | U         | 0.17  | 0.61       | mg/Kg             |
| 131-11-3       | Dimethylphthalate           | 0.61  | U         | 0.097 | 0.61       | mg/Kg             |

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| Client Sample ID:  | WC-33             | SDG No.:        | Q3082            |
| Lab Sample ID:     | Q3082-09          | Matrix:         | SOIL             |
| Analytical Method: | 8270E             | % Solid:        | 84               |
| Sample Wt/Vol:     | 50.06             | Units:          | g                |
| Soil Aliquot Vol:  |                   |                 | uL               |
| Extraction Type :  |                   | Decanted :      | N                |
| Injection Volume : |                   | GPC Factor :    | 1.0              |
| Prep Method :      | SW3541            | Level :         | LOW              |
|                    |                   | Test:           | SVOC-TCL BNA -20 |
|                    |                   | Final Vol:      | 1000             |
|                    |                   | GPC Cleanup :   | N                |
|                    |                   | PH :            |                  |

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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF143744.D        | 5         | 09/12/25 09:30 | 09/12/25 20:35 | PB169672      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 3.60  |           | 0.10  | 0.61       | mg/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.61  | U         | 0.12  | 0.61       | mg/Kg             |
| 99-09-2    | 3-Nitroaniline             | 0.61  | U         | 0.16  | 0.61       | mg/Kg             |
| 83-32-9    | Acenaphthene               | 0.66  |           | 0.076 | 0.61       | mg/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 1.20  | U         | 0.82  | 1.20       | mg/Kg             |
| 100-02-7   | 4-Nitrophenol              | 1.20  | U         | 0.38  | 1.20       | mg/Kg             |
| 132-64-9   | Dibenzofuran               | 2.30  |           | 0.081 | 0.61       | mg/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 0.61  | U         | 0.18  | 0.61       | mg/Kg             |
| 84-66-2    | Diethylphthalate           | 0.61  | U         | 0.10  | 0.61       | mg/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.61  | U         | 0.095 | 0.61       | mg/Kg             |
| 86-73-7    | Fluorene                   | 2.80  |           | 0.090 | 0.61       | mg/Kg             |
| 100-01-6   | 4-Nitroaniline             | 0.61  | U         | 0.23  | 0.61       | mg/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1.20  | U         | 0.37  | 1.20       | mg/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.61  | U         | 0.12  | 0.61       | mg/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.61  | U         | 0.099 | 0.61       | mg/Kg             |
| 118-74-1   | Hexachlorobenzene          | 0.61  | U         | 0.090 | 0.61       | mg/Kg             |
| 1912-24-9  | Atrazine                   | 0.61  | U         | 0.12  | 0.61       | mg/Kg             |
| 87-86-5    | Pentachlorophenol          | 1.20  | U         | 0.18  | 1.20       | mg/Kg             |
| 85-01-8    | Phenanthrene               | 24.7  | E         | 0.075 | 0.61       | mg/Kg             |
| 120-12-7   | Anthracene                 | 6.10  |           | 0.12  | 0.61       | mg/Kg             |
| 86-74-8    | Carbazole                  | 1.80  |           | 0.11  | 0.61       | mg/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 0.61  | U         | 0.17  | 0.61       | mg/Kg             |
| 206-44-0   | Fluoranthene               | 30.9  | E         | 0.11  | 0.61       | mg/Kg             |
| 129-00-0   | Pyrene                     | 17.0  | E         | 0.13  | 0.61       | mg/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 0.61  | U         | 0.25  | 0.61       | mg/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1.20  | U         | 0.13  | 1.20       | mg/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 12.5  | E         | 0.082 | 0.61       | mg/Kg             |
| 218-01-9   | Chrysene                   | 9.90  | E         | 0.071 | 0.61       | mg/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 0.61  | U         | 0.21  | 0.61       | mg/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1.20  | U         | 0.31  | 1.20       | mg/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 13.6  | E         | 0.068 | 0.61       | mg/Kg             |

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| Lab Sample ID:     | Q3082-09          | Matrix:         | SOIL             |
| Analytical Method: | 8270E             | % Solid:        | 84               |
| Sample Wt/Vol:     | 50.06             | Units:          | g                |
| Soil Aliquot Vol:  |                   |                 | uL               |
| Extraction Type :  |                   | Decanted :      | N                |
| Injection Volume : |                   | GPC Factor :    | 1.0              |
| Prep Method :      | SW3541            | Level :         | LOW              |
|                    |                   | Final Vol:      | 1000 uL          |
|                    |                   | Test:           | SVOC-TCL BNA -20 |
|                    |                   | GPC Cleanup :   | N                |
|                    |                   | PH :            |                  |

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| BF143744.D        | 5         | 09/12/25 09:30 | 09/12/25 20:35 | PB169672      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 5.20  |           | 0.080 | 0.61       | mg/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 11.4  | E         | 0.11  | 0.61       | mg/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 3.90  |           | 0.10  | 0.61       | mg/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 1.10  |           | 0.098 | 0.61       | mg/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 4.20  |           | 0.092 | 0.61       | mg/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 0.61  | U         | 0.091 | 0.61       | mg/Kg             |
| 123-91-1   | 1,4-Dioxane                | 0.61  | U         | 0.16  | 0.61       | mg/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 0.61  | U         | 0.098 | 0.61       | mg/Kg             |

### SURROGATES

|            |                      |      |  |          |     |          |
|------------|----------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 74.2 |  | 18 - 112 | 49% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 80.2 |  | 15 - 107 | 53% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 57.5 |  | 18 - 107 | 58% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 56.6 |  | 20 - 109 | 57% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 83.1 |  | 10 - 116 | 55% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 39.4 |  | 10 - 105 | 39% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |       |        |
|------------|------------------------|-------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 25600 | 6.893  |
| 1146-65-2  | Naphthalene-d8         | 89400 | 8.175  |
| 15067-26-2 | Acenaphthene-d10       | 44900 | 9.934  |
| 1517-22-2  | Phenanthrene-d10       | 72400 | 11.422 |
| 1719-03-5  | Chrysene-d12           | 75200 | 14.069 |
| 1520-96-3  | Perylene-d12           | 68100 | 15.557 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                               |      |   |      |       |
|-------------|-------------------------------|------|---|------|-------|
| 90-12-0     | 1-Methylnaphthalene           | 570  | J | 8.99 | ug/Kg |
| 000582-16-1 | Naphthalene, 2,7-dimethyl-    | 570  | J | 9.52 | ug/Kg |
| 000581-40-8 | Naphthalene, 2,3-dimethyl-    | 760  | J | 9.59 | ug/Kg |
| 000575-41-7 | Naphthalene, 1,3-dimethyl-    | 430  | J | 9.70 | ug/Kg |
| 002245-38-7 | Naphthalene, 1,6,7-trimethyl- | 560  | J | 10.2 | ug/Kg |
| 000829-26-5 | Naphthalene, 2,3,6-trimethyl- | 530  | J | 10.3 | ug/Kg |
| 007320-53-8 | Dibenzofuran, 4-methyl-       | 1100 | J | 10.6 | ug/Kg |

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| Lab Sample ID:     | Q3082-09          | Matrix:         | SOIL     |
| Analytical Method: | 8270E             | % Solid:        | 84       |
| Sample Wt/Vol:     | 50.06             | Units:          | g        |
| Soil Aliquot Vol:  |                   |                 | uL       |
| Extraction Type :  |                   | Decanted :      | N        |
| Injection Volume : |                   | Level :         | LOW      |
|                    |                   | GPC Factor :    | 1.0      |
|                    |                   | GPC Cleanup :   | N        |
|                    |                   | PH :            |          |
| Prep Method :      | SW3541            |                 |          |

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|-------------------|-----------|----------------|----------------|---------------|
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| BF143744.D        | 5         | 09/12/25 09:30 | 09/12/25 20:35 | PB169672      |

| CAS Number   | Parameter                        | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|--------------|----------------------------------|-------|-----------|-----|------------|-------------------|
| 000203-64-5  | 4H-Cyclopenta[def]phenanthrene   | 530   | J         |     | 12.0       | ug/Kg             |
| 002381-21-7  | Pyrene, 1-methyl-                | 560   | J         |     | 13.2       | ug/Kg             |
| 1000080-17-7 | 7,12-Dihydrobenzo[k]fluoranthene | 1800  | J         |     | 15.0       | ug/Kg             |
|              | unknown15.022                    | 620   | J         |     | 15.0       | ug/Kg             |
| 000192-97-2  | Benzo[e]pyrene                   | 2400  | J         |     | 15.2       | ug/Kg             |
| 000207-93-2  | Dinaphtho[1,2-b:1,2-d]furan      | 1300  | J         |     | 15.3       | ug/Kg             |
| 000198-55-0  | Perylene                         | 6400  | J         |     | 15.4       | ug/Kg             |
| 063041-77-0  | 7-Methylbenzo[pqr]tetraphene     | 470   | J         |     | 16.0       | ug/Kg             |
|              | unknown16.121                    | 550   | J         |     | 16.1       | ug/Kg             |
| 000193-43-1  | Indeno[1,2,3-cd]fluoranthene     | 1800  | J         |     | 16.9       | ug/Kg             |
| 000215-58-7  | Benzo[b]triphenylene             | 870   | J         |     | 17.2       | ug/Kg             |
| 000135-48-8  | Pentacene                        | 860   | J         |     | 17.3       | ug/Kg             |
| 000191-26-4  | Dibenzo[def,mno]chrysene         | 1600  | J         |     | 17.7       | ug/Kg             |
|              | unknown18.692                    | 640   | J         |     | 18.7       | 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