

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | PSEG                     | Date Collected: | 04/23/25 |
| Project:           | Aldene Switching Station | Date Received:  | 04/23/25 |
| Client Sample ID:  | RBR200059                | SDG No.:        | Q1867    |
| Lab Sample ID:     | Q1867-01                 | Matrix:         | SOIL     |
| Analytical Method: | SW8270                   | % Solid:        | 90.9     |
| Sample Wt/Vol:     | 50.05                    | 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                   |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024429.D        | 2         | 04/25/25 09:24 | 04/25/25 19:13 | PB167739      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|-------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |       |            |                   |
| 100-52-7       | Benzaldehyde                | 0.21  | U         | 0.21  | 0.44       | mg/Kg             |
| 108-95-2       | Phenol                      | 0.029 | U         | 0.029 | 0.22       | mg/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.032 | U         | 0.032 | 0.22       | mg/Kg             |
| 95-57-8        | 2-Chlorophenol              | 0.032 | U         | 0.032 | 0.22       | mg/Kg             |
| 95-48-7        | 2-Methylphenol              | 0.039 | U         | 0.039 | 0.22       | mg/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 0.050 | U         | 0.050 | 0.22       | mg/Kg             |
| 98-86-2        | Acetophenone                | 0.039 | U         | 0.039 | 0.22       | mg/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 0.054 | U         | 0.054 | 0.44       | mg/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 0.063 | U         | 0.063 | 0.11       | mg/Kg             |
| 67-72-1        | Hexachloroethane            | 0.023 | U         | 0.023 | 0.22       | mg/Kg             |
| 98-95-3        | Nitrobenzene                | 0.024 | U         | 0.024 | 0.22       | mg/Kg             |
| 78-59-1        | Isophorone                  | 0.043 | U         | 0.043 | 0.22       | mg/Kg             |
| 88-75-5        | 2-Nitrophenol               | 0.077 | U         | 0.077 | 0.22       | mg/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 0.086 | U         | 0.086 | 0.22       | mg/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.041 | U         | 0.041 | 0.22       | mg/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 0.037 | U         | 0.037 | 0.22       | mg/Kg             |
| 91-20-3        | Naphthalene                 | 0.030 | U         | 0.030 | 0.22       | mg/Kg             |
| 106-47-8       | 4-Chloroaniline             | 0.047 | U         | 0.047 | 0.22       | mg/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 0.033 | U         | 0.033 | 0.22       | mg/Kg             |
| 105-60-2       | Caprolactam                 | 0.069 | U         | 0.069 | 0.44       | mg/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.038 | U         | 0.038 | 0.22       | mg/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 0.034 | U         | 0.034 | 0.22       | mg/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 0.15  | U         | 0.15  | 0.44       | mg/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.026 | U         | 0.026 | 0.22       | mg/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.038 | U         | 0.038 | 0.22       | mg/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 0.029 | U         | 0.029 | 0.22       | mg/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 0.030 | U         | 0.030 | 0.22       | mg/Kg             |
| 88-74-4        | 2-Nitroaniline              | 0.063 | U         | 0.063 | 0.22       | mg/Kg             |
| 131-11-3       | Dimethylphthalate           | 0.036 | U         | 0.036 | 0.22       | mg/Kg             |

## Report of Analysis

|                    |                          |                 |                              |
|--------------------|--------------------------|-----------------|------------------------------|
| Client:            | PSEG                     | Date Collected: | 04/23/25                     |
| Project:           | Aldene Switching Station | Date Received:  | 04/23/25                     |
| Client Sample ID:  | RBR200059                | SDG No.:        | Q1867                        |
| Lab Sample ID:     | Q1867-01                 | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                   | % Solid:        | 90.9                         |
| Sample Wt/Vol:     | 50.05      Units:    g   | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                       | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N        | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0      | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                   |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024429.D        | 2         | 04/25/25 09:24 | 04/25/25 19:13 | PB167739      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 0.26  |           | 0.038 | 0.22       | mg/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.044 | U         | 0.044 | 0.22       | mg/Kg             |
| 99-09-2    | 3-Nitroaniline             | 0.061 | U         | 0.061 | 0.22       | mg/Kg             |
| 83-32-9    | Acenaphthene               | 0.028 | U         | 0.028 | 0.22       | mg/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 0.30  | U         | 0.30  | 0.44       | mg/Kg             |
| 100-02-7   | 4-Nitrophenol              | 0.14  | U         | 0.14  | 0.44       | mg/Kg             |
| 132-64-9   | Dibenzofuran               | 0.030 | U         | 0.030 | 0.22       | mg/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 0.066 | U         | 0.066 | 0.22       | mg/Kg             |
| 84-66-2    | Diethylphthalate           | 0.037 | U         | 0.037 | 0.22       | mg/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.035 | U         | 0.035 | 0.22       | mg/Kg             |
| 86-73-7    | Fluorene                   | 0.11  | J         | 0.033 | 0.22       | mg/Kg             |
| 100-01-6   | 4-Nitroaniline             | 0.085 | U         | 0.085 | 0.22       | mg/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14  | 0.44       | mg/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.043 | U         | 0.043 | 0.22       | mg/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.037 | U         | 0.037 | 0.22       | mg/Kg             |
| 118-74-1   | Hexachlorobenzene          | 0.033 | U         | 0.033 | 0.22       | mg/Kg             |
| 1912-24-9  | Atrazine                   | 0.045 | U         | 0.045 | 0.22       | mg/Kg             |
| 87-86-5    | Pentachlorophenol          | 0.068 | U         | 0.068 | 0.44       | mg/Kg             |
| 85-01-8    | Phenanthrene               | 1.00  |           | 0.028 | 0.22       | mg/Kg             |
| 120-12-7   | Anthracene                 | 0.39  |           | 0.044 | 0.22       | mg/Kg             |
| 86-74-8    | Carbazole                  | 0.11  | J         | 0.041 | 0.22       | mg/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 0.063 | U         | 0.063 | 0.22       | mg/Kg             |
| 206-44-0   | Fluoranthene               | 1.30  |           | 0.040 | 0.22       | mg/Kg             |
| 129-00-0   | Pyrene                     | 1.20  |           | 0.048 | 0.22       | mg/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 0.094 | U         | 0.094 | 0.22       | mg/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 0.048 | U         | 0.048 | 0.44       | mg/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 0.78  |           | 0.030 | 0.22       | mg/Kg             |
| 218-01-9   | Chrysene                   | 0.74  |           | 0.026 | 0.22       | mg/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 0.078 | U         | 0.078 | 0.22       | mg/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 0.11  | U         | 0.11  | 0.44       | mg/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 0.87  |           | 0.025 | 0.22       | mg/Kg             |

## Report of Analysis

|                    |                          |                 |                              |
|--------------------|--------------------------|-----------------|------------------------------|
| Client:            | PSEG                     | Date Collected: | 04/23/25                     |
| Project:           | Aldene Switching Station | Date Received:  | 04/23/25                     |
| Client Sample ID:  | RBR200059                | SDG No.:        | Q1867                        |
| Lab Sample ID:     | Q1867-01                 | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                   | % Solid:        | 90.9                         |
| Sample Wt/Vol:     | 50.05      Units:    g   | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                       | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N        | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0      | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                   |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024429.D        | 2         | 04/25/25 09:24 | 04/25/25 19:13 | PB167739      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL   | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 0.33  |           | 0.030 | 0.22       | mg/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 0.84  |           | 0.039 | 0.22       | mg/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 0.43  |           | 0.038 | 0.22       | mg/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 0.14  | J         | 0.036 | 0.22       | mg/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 0.53  |           | 0.034 | 0.22       | mg/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 0.034 | U         | 0.034 | 0.22       | mg/Kg             |
| 123-91-1   | 1,4-Dioxane                | 0.060 | U         | 0.060 | 0.22       | mg/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 0.036 | U         | 0.036 | 0.22       | mg/Kg             |

### SURROGATES

|            |                      |      |  |          |     |          |
|------------|----------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 62.8 |  | 18 - 112 | 42% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 62.5 |  | 15 - 107 | 42% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 41.5 |  | 18 - 107 | 42% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 45.0 |  | 20 - 109 | 45% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 79.8 |  | 10 - 116 | 53% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 45.9 |  | 10 - 105 | 46% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 163000  | 7.716  |
| 1146-65-2  | Naphthalene-d8         | 661000  | 10.487 |
| 15067-26-2 | Acenaphthene-d10       | 425000  | 14.34  |
| 1517-22-2  | Phenanthrene-d10       | 878000  | 17.151 |
| 1719-03-5  | Chrysene-d12           | 997000  | 21.586 |
| 1520-96-3  | Perylene-d12           | 1190000 | 24.921 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                     |      |   |      |       |
|-------------|-------------------------------------|------|---|------|-------|
| 000827-54-3 | Naphthalene, 2-ethenyl-             | 97.2 | J | 14.4 | ug/Kg |
| 000119-61-9 | Benzophenone                        | 140  | J | 15.7 | ug/Kg |
| 013674-84-5 | 2-Propanol, 1-chloro-, phosphate (  | 95.4 | J | 16.9 | ug/Kg |
| 000613-12-7 | Anthracene, 2-methyl-               | 120  | J | 18.1 | ug/Kg |
| 002531-84-2 | Phenanthrene, 2-methyl-             | 280  | J | 18.1 | ug/Kg |
| 000949-41-7 | 1H-Cyclopropa[1]phenanthrene, 1a,9b | 110  | J | 18.2 | ug/Kg |
| 000203-64-5 | 4H-Cyclopenta[def]phenanthrene      | 300  | J | 18.3 | ug/Kg |

## Report of Analysis

|                    |                          |                 |                              |
|--------------------|--------------------------|-----------------|------------------------------|
| Client:            | PSEG                     | Date Collected: | 04/23/25                     |
| Project:           | Aldene Switching Station | Date Received:  | 04/23/25                     |
| Client Sample ID:  | RBR200059                | SDG No.:        | Q1867                        |
| Lab Sample ID:     | Q1867-01                 | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                   | % Solid:        | 90.9                         |
| Sample Wt/Vol:     | 50.05      Units:    g   | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                       | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N        | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0      | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                   |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024429.D        | 2         | 04/25/25 09:24 | 04/25/25 19:13 | PB167739      |

| CAS Number  | Parameter                   | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------|-----------------------------|-------|-----------|-----|------------|-------------------|
| 000612-94-2 | Naphthalene, 2-phenyl-      | 100   | J         |     | 18.6       | ug/Kg             |
| 003674-66-6 | Phenanthrene, 2,5-dimethyl- | 240   | J         |     | 19.0       | ug/Kg             |
| 001576-67-6 | Phenanthrene, 3,6-dimethyl- | 130   | J         |     | 19.1       | ug/Kg             |
| 000781-43-1 | 9,10-Dimethylanthracene     | 150   | J         |     | 19.2       | ug/Kg             |
| 002381-21-7 | Pyrene, 1-methyl-           | 100   | J         |     | 20.0       | ug/Kg             |
| 000243-17-4 | 11H-Benzo[b]fluorene        | 88.4  | J         |     | 20.2       | ug/Kg             |
| 003353-12-6 | Pyrene, 4-methyl-           | 120   | J         |     | 20.3       | ug/Kg             |
| 027208-37-3 | Cyclopenta[cd]pyrene        | 91.4  | J         |     | 21.2       | ug/Kg             |
| 001705-84-6 | Triphenylene, 2-methyl-     | 130   | J         |     | 22.3       | ug/Kg             |
| 000192-97-2 | Benzo[e]pyrene              | 170   | J         |     | 24.1       | ug/Kg             |
| 000198-55-0 | Perylene                    | 670   | 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