

## Report of Analysis

|                    |                                                |                 |                      |
|--------------------|------------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                           | Date Collected: | 04/02/25             |
| Project:           | Plainfield Gas and Appliance Service MA0006789 | Date Received:  | 04/02/25             |
| Client Sample ID:  | PL-02-040225                                   | SDG No.:        | Q1706                |
| Lab Sample ID:     | Q1706-03                                       | Matrix:         | SOIL                 |
| Analytical Method: | SW8260                                         | % Solid:        | 89.3                 |
| Sample Wt/Vol:     | 5.01      Units:    g                          | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                             | Test:           | VOC-TCLVOA-10        |
| GC Column:         | RXI-624              ID :    0.25              | Level :         | LOW                  |
| Prep Method :      |                                                |                 |                      |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021772.D        | 1         |           | 04/03/25 14:43 | VY040325      |

| CAS Number     | Parameter                      | Conc.   | Qualifier | MDL     | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|---------|-----------|---------|------------|-------------------|
| <b>TARGETS</b> |                                |         |           |         |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 0.0013  | U         | 0.0013  | 0.0056     | mg/Kg             |
| 74-87-3        | Chloromethane                  | 0.0013  | U         | 0.0013  | 0.0056     | mg/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.00088 | U         | 0.00088 | 0.0056     | mg/Kg             |
| 74-83-9        | Bromomethane                   | 0.0012  | U         | 0.0012  | 0.0056     | mg/Kg             |
| 75-00-3        | Chloroethane                   | 0.0014  | U         | 0.0014  | 0.0056     | mg/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 0.0014  | U         | 0.0014  | 0.0056     | mg/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.0012  | U         | 0.0012  | 0.0056     | mg/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 0.0011  | U         | 0.0011  | 0.0056     | mg/Kg             |
| 67-64-1        | Acetone                        | 0.0053  | U         | 0.0053  | 0.028      | mg/Kg             |
| 75-15-0        | Carbon Disulfide               | 0.0012  | U         | 0.0012  | 0.0056     | mg/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.00082 | U         | 0.00082 | 0.0056     | mg/Kg             |
| 79-20-9        | Methyl Acetate                 | 0.0017  | U         | 0.0017  | 0.0056     | mg/Kg             |
| 75-09-2        | Methylene Chloride             | 0.0039  | U         | 0.0039  | 0.011      | mg/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.00096 | U         | 0.00096 | 0.0056     | mg/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.00089 | U         | 0.00089 | 0.0056     | mg/Kg             |
| 110-82-7       | Cyclohexane                    | 0.00088 | U         | 0.00088 | 0.0056     | mg/Kg             |
| 78-93-3        | 2-Butanone                     | 0.0073  | U         | 0.0073  | 0.028      | mg/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.0011  | U         | 0.0011  | 0.0056     | mg/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.00084 | U         | 0.00084 | 0.0056     | mg/Kg             |
| 74-97-5        | Bromochloromethane             | 0.0013  | U         | 0.0013  | 0.0056     | mg/Kg             |
| 67-66-3        | Chloroform                     | 0.00094 | U         | 0.00094 | 0.0056     | mg/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0010  | U         | 0.0010  | 0.0056     | mg/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.0010  | U         | 0.0010  | 0.0056     | mg/Kg             |
| 71-43-2        | Benzene                        | 0.00088 | U         | 0.00088 | 0.0056     | mg/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.00088 | U         | 0.00088 | 0.0056     | mg/Kg             |
| 79-01-6        | Trichloroethene                | 0.00091 | U         | 0.00091 | 0.0056     | mg/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.0010  | U         | 0.0010  | 0.0056     | mg/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.00087 | U         | 0.00087 | 0.0056     | mg/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.0040  | U         | 0.0040  | 0.028      | mg/Kg             |
| 108-88-3       | Toluene                        | 0.00087 | U         | 0.00087 | 0.0056     | mg/Kg             |

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| Project:           | Plainfield Gas and Appliance Service MA0006789 | Date Received:  | 04/02/25      |
| Client Sample ID:  | PL-02-040225                                   | SDG No.:        | Q1706         |
| Lab Sample ID:     | Q1706-03                                       | Matrix:         | SOIL          |
| Analytical Method: | SW8260                                         | % Solid:        | 89.3          |
| Sample Wt/Vol:     | 5.01                                           | Units:          | g             |
| Soil Aliquot Vol:  |                                                |                 | uL            |
| GC Column:         | RXI-624                                        | Test:           | VOC-TCLVOA-10 |
| Prep Method :      | ID :                                           | Level :         | LOW           |
|                    | 0.25                                           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021772.D        | 1         |           | 04/03/25 14:43 | VY040325      |

| CAS Number  | Parameter                   | Conc.   | Qualifier | MDL     | LOQ / CRQL | Units(Dry Weight) |
|-------------|-----------------------------|---------|-----------|---------|------------|-------------------|
| 10061-02-6  | t-1,3-Dichloropropene       | 0.00073 | U         | 0.00073 | 0.0056     | mg/Kg             |
| 10061-01-5  | cis-1,3-Dichloropropene     | 0.00069 | U         | 0.00069 | 0.0056     | mg/Kg             |
| 79-00-5     | 1,1,2-Trichloroethane       | 0.0010  | U         | 0.0010  | 0.0056     | mg/Kg             |
| 591-78-6    | 2-Hexanone                  | 0.0041  | U         | 0.0041  | 0.028      | mg/Kg             |
| 124-48-1    | Dibromochloromethane        | 0.00097 | U         | 0.00097 | 0.0056     | mg/Kg             |
| 106-93-4    | 1,2-Dibromoethane           | 0.00098 | U         | 0.00098 | 0.0056     | mg/Kg             |
| 127-18-4    | Tetrachloroethene           | 0.0012  | U         | 0.0012  | 0.0056     | mg/Kg             |
| 108-90-7    | Chlorobenzene               | 0.0010  | U         | 0.0010  | 0.0056     | mg/Kg             |
| 100-41-4    | Ethyl Benzene               | 0.00075 | U         | 0.00075 | 0.0056     | mg/Kg             |
| 179601-23-1 | m/p-Xylenes                 | 0.0014  | U         | 0.0014  | 0.011      | mg/Kg             |
| 95-47-6     | o-Xylene                    | 0.00092 | U         | 0.00092 | 0.0056     | mg/Kg             |
| 100-42-5    | Styrene                     | 0.00079 | U         | 0.00079 | 0.0056     | mg/Kg             |
| 75-25-2     | Bromoform                   | 0.00096 | U         | 0.00096 | 0.0056     | mg/Kg             |
| 98-82-8     | Isopropylbenzene            | 0.00087 | U         | 0.00087 | 0.0056     | mg/Kg             |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 0.0014  | U         | 0.0014  | 0.0056     | mg/Kg             |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.0019  | U         | 0.0019  | 0.0056     | mg/Kg             |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.0017  | U         | 0.0017  | 0.0056     | mg/Kg             |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.0016  | U         | 0.0016  | 0.0056     | mg/Kg             |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 0.0021  | U         | 0.0021  | 0.0056     | mg/Kg             |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 0.0033  | U         | 0.0033  | 0.0056     | mg/Kg             |
| 87-61-6     | 1,2,3-Trichlorobenzene      | 0.0036  | U         | 0.0036  | 0.0056     | mg/Kg             |

## SURROGATES

|            |                       |      |          |      |         |
|------------|-----------------------|------|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.1 | 63 - 155 | 106% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.3 | 70 - 134 | 101% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 49.8 | 74 - 123 | 100% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 49.9 | 38 - 136 | 100% | SPK: 50 |

## INTERNAL STANDARDS

|           |                        |        |        |
|-----------|------------------------|--------|--------|
| 363-72-4  | Pentafluorobenzene     | 277000 | 7.707  |
| 540-36-3  | 1,4-Difluorobenzene    | 535000 | 8.616  |
| 3114-55-4 | Chlorobenzene-d5       | 500000 | 11.414 |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 223000 | 13.346 |

### TENTATIVE IDENTIFIED COMPOUNDS

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|                    |                                                |                 |                      |
|--------------------|------------------------------------------------|-----------------|----------------------|
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| Project:           | Plainfield Gas and Appliance Service MA0006789 | Date Received:  | 04/02/25             |
| Client Sample ID:  | PL-02-040225                                   | SDG No.:        | Q1706                |
| Lab Sample ID:     | Q1706-03                                       | Matrix:         | SOIL                 |
| Analytical Method: | SW8260                                         | % Solid:        | 89.3                 |
| Sample Wt/Vol:     | 5.01      Units:    g                          | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                             | Test:           | VOC-TCLVOA-10        |
| GC Column:         | RXI-624              ID :    0.25              | Level :         | LOW                  |
| Prep Method :      |                                                |                 |                      |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021772.D        | 1         |           | 04/03/25 14:43 | VY040325      |

| CAS Number  | Parameter                          | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------|------------------------------------|-------|-----------|-----|------------|-------------------|
| 108-67-8    | 1,3,5-Trimethylbenzene             | 2.90  | J         |     | 12.7       | ug/Kg             |
| 95-63-6     | 1,2,4-Trimethylbenzene             | 3.40  | J         |     | 13.0       | ug/Kg             |
| 001074-43-7 | unknown13.541                      | 7.90  | J         |     | 13.5       | ug/Kg             |
| 000874-41-9 | Benzene, 1-ethyl-2,4-dimethyl-     | 7.00  | J         |     | 13.6       | ug/Kg             |
| 001120-21-4 | Undecane                           | 12.5  | J         |     | 13.7       | ug/Kg             |
| 007525-62-4 | Benzene, 1-ethenyl-3-ethyl-        | 6.70  | J         |     | 14.0       | ug/Kg             |
| 000112-40-3 | Dodecane                           | 8.50  | J         |     | 14.5       | ug/Kg             |
| 002234-20-0 | 2,4-Dimethylstyrene                | 15.7  | J         |     | 14.6       | ug/Kg             |
| 000119-64-2 | Naphthalene, 1,2,3,4-tetrahydro-   | 11.6  | J         |     | 14.7       | ug/Kg             |
| 006682-71-9 | 1H-Indene, 2,3-dihydro-4,7-dimethy | 8.30  | J         |     | 15.0       | ug/Kg             |
| 079209-36-2 | 1,3-Cyclopentadiene, 5-(trans-2-et | 7.80  | J         |     | 15.3       | ug/Kg             |
| 002809-64-5 | Naphthalene, 1,2,3,4-tetrahydro-5- | 8.00  | J         |     | 15.6       | 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