

Report of Analysis

Client:	PSEG	Date Collected:	05/21/25
Project:	Lawrenceville HQ	Date Received:	05/21/25
Client Sample ID:	LAW-25-0077	SDG No.:	Q2102
Lab Sample ID:	Q2102-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87
Sample Wt/Vol:	4.31 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
VY022387.D	1		05/22/25 11:48	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0015	U	0.0015	0.0067	mg/Kg
74-87-3	Chloromethane	0.0015	U	0.0015	0.0067	mg/Kg
75-01-4	Vinyl Chloride	0.0011	U	0.0011	0.0067	mg/Kg
74-83-9	Bromomethane	0.0014	U	0.0014	0.0067	mg/Kg
75-00-3	Chloroethane	0.0017	U	0.0017	0.0067	mg/Kg
75-69-4	Trichlorofluoromethane	0.0016	U	0.0016	0.0067	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0014	U	0.0014	0.0067	mg/Kg
75-35-4	1,1-Dichloroethene	0.0013	U	0.0013	0.0067	mg/Kg
67-64-1	Acetone	0.016	J	0.0063	0.033	mg/Kg
75-15-0	Carbon Disulfide	0.0014	U	0.0014	0.0067	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00097	U	0.00097	0.0067	mg/Kg
79-20-9	Methyl Acetate	0.0021	U	0.0021	0.0067	mg/Kg
75-09-2	Methylene Chloride	0.0047	U	0.0047	0.013	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0011	U	0.0011	0.0067	mg/Kg
75-34-3	1,1-Dichloroethane	0.0011	U	0.0011	0.0067	mg/Kg
110-82-7	Cyclohexane	0.0011	U	0.0011	0.0067	mg/Kg
78-93-3	2-Butanone	0.0087	U	0.0087	0.033	mg/Kg
56-23-5	Carbon Tetrachloride	0.0013	U	0.0013	0.0067	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0010	U	0.0010	0.0067	mg/Kg
74-97-5	Bromochloromethane	0.0015	U	0.0015	0.0067	mg/Kg
67-66-3	Chloroform	0.0011	U	0.0011	0.0067	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0012	U	0.0012	0.0067	mg/Kg
108-87-2	Methylcyclohexane	0.0012	U	0.0012	0.0067	mg/Kg
71-43-2	Benzene	0.0011	U	0.0011	0.0067	mg/Kg
107-06-2	1,2-Dichloroethane	0.0011	U	0.0011	0.0067	mg/Kg
79-01-6	Trichloroethene	0.0011	U	0.0011	0.0067	mg/Kg
78-87-5	1,2-Dichloropropane	0.0012	U	0.0012	0.0067	mg/Kg
75-27-4	Bromodichloromethane	0.0010	U	0.0010	0.0067	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0048	U	0.0048	0.033	mg/Kg
108-88-3	Toluene	0.0010	U	0.0010	0.0067	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	0.00087	U	0.00087	0.0067	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00083	U	0.00083	0.0067	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0012	U	0.0012	0.0067	mg/Kg
591-78-6	2-Hexanone	0.0049	U	0.0049	0.033	mg/Kg
124-48-1	Dibromochloromethane	0.0012	U	0.0012	0.0067	mg/Kg
106-93-4	1,2-Dibromoethane	0.0012	U	0.0012	0.0067	mg/Kg
127-18-4	Tetrachloroethene	0.0014	U	0.0014	0.0067	mg/Kg
108-90-7	Chlorobenzene	0.0012	U	0.0012	0.0067	mg/Kg
100-41-4	Ethyl Benzene	0.00089	U	0.00089	0.0067	mg/Kg
179601-23-1	m/p-Xylenes	0.0017	U	0.0017	0.013	mg/Kg
95-47-6	o-Xylene	0.0011	U	0.0011	0.0067	mg/Kg
100-42-5	Styrene	0.00095	U	0.00095	0.0067	mg/Kg
75-25-2	Bromoform	0.0011	U	0.0011	0.0067	mg/Kg
98-82-8	Isopropylbenzene	0.0010	U	0.0010	0.0067	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.0067	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.0023	0.0067	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0021	U	0.0021	0.0067	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0019	U	0.0019	0.0067	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0025	U	0.0025	0.0067	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0040	0.0067	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0042	U	0.0042	0.0067	mg/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	45.6	63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0	70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	46.7	74 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.6	38 - 136	67%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	229000	7.713
540-36-3	1,4-Difluorobenzene	388000	8.622
3114-55-4	Chlorobenzene-d5	275000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	69900	13.353

TENTATIVE IDENTIFIED COMPOUNDS

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1000304-26-2	unknown10.884	19.0	J		10.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.40	J		13.0	ug/Kg
080655-44-3	unknown13.188	30.5	J		13.2	ug/Kg
001120-21-4	Undecane	40.1	J		13.7	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	18.0	J		13.9	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	18.3	J		14.2	ug/Kg
000112-40-3	Dodecane	18.9	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	18.0	J		14.7	ug/Kg
002882-98-6	unknown15.511	19.7	J		15.5	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