

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Lawrenceville HQ	Date Received:	06/27/25
Client Sample ID:	LAW-25-0100	SDG No.:	Q2447
Lab Sample ID:	Q2447-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.4
Sample Wt/Vol:	3.5 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 / Time	Date Analyzed / Time	Prep Batch ID
VY022885.D	1		06/30/25 17:12	VY063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0079	U	0.0018	0.0079	mg/Kg
74-87-3	Chloromethane	0.0079	U	0.0018	0.0079	mg/Kg
75-01-4	Vinyl Chloride	0.0079	U	0.0012	0.0079	mg/Kg
74-83-9	Bromomethane	0.0079	U	0.0017	0.0079	mg/Kg
75-00-3	Chloroethane	0.0079	U	0.0020	0.0079	mg/Kg
75-69-4	Trichlorofluoromethane	0.0079	U	0.0019	0.0079	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0079	U	0.0017	0.0079	mg/Kg
75-35-4	1,1-Dichloroethene	0.0079	U	0.0016	0.0079	mg/Kg
67-64-1	Acetone	1.10		0.0075	0.040	mg/Kg
75-15-0	Carbon Disulfide	0.0079	U	0.0017	0.0079	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0079	U	0.0012	0.0079	mg/Kg
79-20-9	Methyl Acetate	0.0079	U	0.0024	0.0079	mg/Kg
75-09-2	Methylene Chloride	0.011	J	0.0056	0.016	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0079	U	0.0014	0.0079	mg/Kg
75-34-3	1,1-Dichloroethane	0.0079	U	0.0013	0.0079	mg/Kg
110-82-7	Cyclohexane	0.0079	U	0.0012	0.0079	mg/Kg
78-93-3	2-Butanone	0.039	J	0.010	0.040	mg/Kg
56-23-5	Carbon Tetrachloride	0.0079	U	0.0015	0.0079	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0079	U	0.0012	0.0079	mg/Kg
74-97-5	Bromochloromethane	0.0079	U	0.0018	0.0079	mg/Kg
67-66-3	Chloroform	0.0079	U	0.0013	0.0079	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0079	U	0.0015	0.0079	mg/Kg
108-87-2	Methylcyclohexane	0.072		0.0014	0.0079	mg/Kg
71-43-2	Benzene	0.031		0.0012	0.0079	mg/Kg
107-06-2	1,2-Dichloroethane	0.0079	U	0.0012	0.0079	mg/Kg
79-01-6	Trichloroethene	0.0079	U	0.0013	0.0079	mg/Kg
78-87-5	1,2-Dichloropropane	0.0079	U	0.0014	0.0079	mg/Kg
75-27-4	Bromodichloromethane	0.0079	U	0.0012	0.0079	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.023	J	0.0057	0.040	mg/Kg
108-88-3	Toluene	2.20	E	0.0012	0.0079	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	0.0079	U	0.0010	0.0079	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0079	U	0.00098	0.0079	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0079	U	0.0015	0.0079	mg/Kg
591-78-6	2-Hexanone	0.040	U	0.0058	0.040	mg/Kg
124-48-1	Dibromochloromethane	0.0079	U	0.0014	0.0079	mg/Kg
106-93-4	1,2-Dibromoethane	0.0079	U	0.0014	0.0079	mg/Kg
127-18-4	Tetrachloroethene	0.0079	U	0.0017	0.0079	mg/Kg
108-90-7	Chlorobenzene	0.0079	U	0.0014	0.0079	mg/Kg
100-41-4	Ethyl Benzene	0.034		0.0011	0.0079	mg/Kg
179601-23-1	m/p-Xylenes	0.080		0.0020	0.016	mg/Kg
95-47-6	o-Xylene	0.022		0.0013	0.0079	mg/Kg
100-42-5	Styrene	0.0079	U	0.0011	0.0079	mg/Kg
75-25-2	Bromoform	0.0079	U	0.0014	0.0079	mg/Kg
98-82-8	Isopropylbenzene	0.0079	U	0.0012	0.0079	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0079	U	0.0019	0.0079	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0079	U	0.0027	0.0079	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0079	U	0.0025	0.0079	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0079	U	0.0023	0.0079	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0079	U	0.0029	0.0079	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0079	U	0.0047	0.0079	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0079	U	0.0050	0.0079	mg/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.5	63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5	70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	45.0	74 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.1	17 - 146	54%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	299000	7.707
540-36-3	1,4-Difluorobenzene	491000	8.61
3114-55-4	Chlorobenzene-d5	327000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	58500	13.34

TENTATIVE IDENTIFIED COMPOUNDS

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000565-59-3	Pentane, 2,3-dimethyl-	21.5	J		7.79	ug/Kg
000589-34-4	Hexane, 3-methyl-	76.6	J		7.92	ug/Kg
	unknown8.189	65.5	J		8.19	ug/Kg
000594-82-1	Butane, 2,2,3,3-tetramethyl-	70.5	J		8.24	ug/Kg
000872-56-0	Isopropylcyclobutane	31.0	J		8.34	ug/Kg
000142-82-5	Heptane	220	J		8.47	ug/Kg
000589-53-7	Heptane, 4-methyl-	42.4	J		9.68	ug/Kg
000589-81-1	Heptane, 3-methyl-	32.7	J		9.88	ug/Kg
000080-56-8	.alpha.-Pinene	44.6	J		12.3	ug/Kg
103-65-1	n-propylbenzene	3.20	J		12.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	8.40	J		13.0	ug/Kg
99-87-6	p-Isopropyltoluene	3.50	J		13.3	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