

Report of Analysis

Client: PSEG
Project: Lawrenceville HQ
Client Sample ID: LAW-25-0151
Lab Sample ID: Q3490-01
Analytical Method: 8260D
Sample Wt/Vol: 1.23 g

Soil Aliquot Vol: 100 uL
Level: MED
Final Vol: 10000 uL

Date Collected: 10/29/25
Date Received: 10/29/25
SDG No.: Q3490
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.00	U	1	0.46	2.00	mg/Kg	10/31/25 15:03	VN103125
74-87-3	Chloromethane	2.00	U	1	0.46	2.00	mg/Kg	10/31/25 15:03	VN103125
75-01-4	Vinyl Chloride	2.00	U	1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
74-83-9	Bromomethane	2.00	U	1	0.43	2.00	mg/Kg	10/31/25 15:03	VN103125
75-00-3	Chloroethane	2.00	U	1	0.51	2.00	mg/Kg	10/31/25 15:03	VN103125
75-69-4	Trichlorofluoromethane	2.00	U	1	0.49	2.00	mg/Kg	10/31/25 15:03	VN103125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	1	0.43	2.00	mg/Kg	10/31/25 15:03	VN103125
75-35-4	1,1-Dichloroethene	2.00	U	1	0.41	2.00	mg/Kg	10/31/25 15:03	VN103125
67-64-1	Acetone	10.2	U	1	1.90	10.2	mg/Kg	10/31/25 15:03	VN103125
75-15-0	Carbon Disulfide	2.00	U	1	0.43	2.00	mg/Kg	10/31/25 15:03	VN103125
1634-04-4	Methyl tert-butyl Ether	2.00	U	1	0.30	2.00	mg/Kg	10/31/25 15:03	VN103125
79-20-9	Methyl Acetate	2.50		1	0.63	2.00	mg/Kg	10/31/25 15:03	VN103125
75-09-2	Methylene Chloride	4.10	U	1	1.40	4.10	mg/Kg	10/31/25 15:03	VN103125
156-60-5	trans-1,2-Dichloroethene	2.00	U	1	0.35	2.00	mg/Kg	10/31/25 15:03	VN103125
75-34-3	1,1-Dichloroethane	2.00	U	1	0.33	2.00	mg/Kg	10/31/25 15:03	VN103125
110-82-7	Cyclohexane	2.00	U	1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
78-93-3	2-Butanone	10.2	U	1	2.70	10.2	mg/Kg	10/31/25 15:03	VN103125
56-23-5	Carbon Tetrachloride	2.00	U	1	0.39	2.00	mg/Kg	10/31/25 15:03	VN103125
156-59-2	cis-1,2-Dichloroethene	2.00	U	1	0.30	2.00	mg/Kg	10/31/25 15:03	VN103125
74-97-5	Bromochloromethane	2.00	U	1	0.47	2.00	mg/Kg	10/31/25 15:03	VN103125
67-66-3	Chloroform	2.00	U	1	0.34	2.00	mg/Kg	10/31/25 15:03	VN103125
71-55-6	1,1,1-Trichloroethane	2.00	U	1	0.38	2.00	mg/Kg	10/31/25 15:03	VN103125
108-87-2	Methylcyclohexane	0.80	J	1	0.37	2.00	mg/Kg	10/31/25 15:03	VN103125
71-43-2	Benzene	2.00	U	1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
107-06-2	1,2-Dichloroethane	2.00	U	1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
79-01-6	Trichloroethene	2.00	U	1	0.33	2.00	mg/Kg	10/31/25 15:03	VN103125
78-87-5	1,2-Dichloropropane	2.00	U	1	0.37	2.00	mg/Kg	10/31/25 15:03	VN103125
75-27-4	Bromodichloromethane	2.00	U	1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
108-10-1	4-Methyl-2-Pentanone	10.2	U	1	1.50	10.2	mg/Kg	10/31/25 15:03	VN103125
108-88-3	Toluene	9.60		1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
10061-02-6	t-1,3-Dichloropropene	2.00	U	1	0.26	2.00	mg/Kg	10/31/25 15:03	VN103125
10061-01-5	cis-1,3-Dichloropropene	2.00	U	1	0.25	2.00	mg/Kg	10/31/25 15:03	VN103125
79-00-5	1,1,2-Trichloroethane	2.00	U	1	0.37	2.00	mg/Kg	10/31/25 15:03	VN103125
591-78-6	2-Hexanone	10.2	U	1	1.50	10.2	mg/Kg	10/31/25 15:03	VN103125
124-48-1	Dibromochloromethane	2.00	U	1	0.35	2.00	mg/Kg	10/31/25 15:03	VN103125
106-93-4	1,2-Dibromoethane	2.00	U	1	0.36	2.00	mg/Kg	10/31/25 15:03	VN103125
127-18-4	Tetrachloroethene	2.00	U	1	0.43	2.00	mg/Kg	10/31/25 15:03	VN103125
108-90-7	Chlorobenzene	2.00	U	1	0.37	2.00	mg/Kg	10/31/25 15:03	VN103125
100-41-4	Ethyl Benzene	1.70	J	1	0.27	2.00	mg/Kg	10/31/25 15:03	VN103125
179601-23-1	m/p-Xylenes	6.20		1	0.50	4.10	mg/Kg	10/31/25 15:03	VN103125
95-47-6	o-Xylene	3.40		1	0.33	2.00	mg/Kg	10/31/25 15:03	VN103125
100-42-5	Styrene	2.00	U	1	0.29	2.00	mg/Kg	10/31/25 15:03	VN103125
75-25-2	Bromoform	2.00	U	1	0.35	2.00	mg/Kg	10/31/25 15:03	VN103125

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	Lawrenceville HQ	Date Received:	10/29/25
Client Sample ID:	LAW-25-0151	SDG No.:	Q3490
Lab Sample ID:	Q3490-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	1.23 g	Test:	VOC-TCLVOA-10
	Soil Aliquot Vol: 100 uL		
	Level: MED		
	Final Vol: 10000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.65	J	1	0.32	2.00	mg/Kg	10/31/25 15:03	VN103125
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	1	0.49	2.00	mg/Kg	10/31/25 15:03	VN103125
541-73-1	1,3-Dichlorobenzene	2.00	U	1	0.70	2.00	mg/Kg	10/31/25 15:03	VN103125
106-46-7	1,4-Dichlorobenzene	2.00	U	1	0.63	2.00	mg/Kg	10/31/25 15:03	VN103125
95-50-1	1,2-Dichlorobenzene	2.00	U	1	0.59	2.00	mg/Kg	10/31/25 15:03	VN103125
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	1	0.75	2.00	mg/Kg	10/31/25 15:03	VN103125
120-82-1	1,2,4-Trichlorobenzene	2.00	U	1	1.20	2.00	mg/Kg	10/31/25 15:03	VN103125
87-61-6	1,2,3-Trichlorobenzene	2.00	U	1	1.30	2.00	mg/Kg	10/31/25 15:03	VN103125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.5			63 - 155	119%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3			70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.3			74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3			17 - 146	103%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	247000
540-36-3	1,4-Difluorobenzene	555000
3114-55-4	Chlorobenzene-d5	503000
3855-82-1	1,4-Dichlorobenzene-d4	234000

TENTATIVE IDENTIFIED COMPOUNDS

103-65-1	n-propylbenzene	1600	J		13.0	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	4700	J		13.1	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	4000	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	16600	J		13.5	ug/Kg
135-98-8	sec-Butylbenzene	610	J		13.6	ug/Kg
99-87-6	p-Isopropyltoluene	500	J		13.7	ug/Kg
104-51-8	n-Butylbenzene	1500	J		14.0	ug/Kg
000112-40-3	Dodecane	16200	J		14.9	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	17300	J		15.0	ug/Kg
000629-59-4	Tetradecane	8600	J		15.8	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	4700	J		15.9	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