

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	65 Duffield Ave	Date Received:	02/04/25
Client Sample ID:	72-11977	SDG No.:	Q1285
Lab Sample ID:	Q1285-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	73.5
Sample Wt/Vol:	4.33 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
VY021118.D	1		02/06/25 17:55	VY020625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0079	U	0.0026	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	0.0016	0.0079	mg/Kg
75-00-3	Chloroethane	0.0079	U	0.0016	0.0079	mg/Kg
75-69-4	Trichlorofluoromethane	0.0079	U	0.0014	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	0.0012	0.0079	mg/Kg
67-64-1	Acetone	0.028	J	0.0098	0.039	mg/Kg
75-15-0	Carbon Disulfide	0.0027	J	0.0020	0.0079	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0079	U	0.0011	0.0079	mg/Kg
79-20-9	Methyl Acetate	0.0079	U	0.0028	0.0079	mg/Kg
75-09-2	Methylene Chloride	0.016	U	0.0054	0.016	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0079	U	0.0013	0.0079	mg/Kg
75-34-3	1,1-Dichloroethane	0.0079	U	0.00099	0.0079	mg/Kg
110-82-7	Cyclohexane	0.0079	U	0.0011	0.0079	mg/Kg
78-93-3	2-Butanone	0.039	U	0.0089	0.039	mg/Kg
56-23-5	Carbon Tetrachloride	0.0079	U	0.0014	0.0079	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0079	U	0.00096	0.0079	mg/Kg
74-97-5	Bromochloromethane	0.0079	U	0.0038	0.0079	mg/Kg
67-66-3	Chloroform	0.0079	U	0.0011	0.0079	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0079	U	0.0012	0.0079	mg/Kg
108-87-2	Methylcyclohexane	0.0079	U	0.0014	0.0079	mg/Kg
71-43-2	Benzene	0.0079	U	0.0011	0.0079	mg/Kg
107-06-2	1,2-Dichloroethane	0.0079	U	0.00096	0.0079	mg/Kg
79-01-6	Trichloroethene	0.0079	U	0.0012	0.0079	mg/Kg
78-87-5	1,2-Dichloropropane	0.0079	U	0.0010	0.0079	mg/Kg
75-27-4	Bromodichloromethane	0.0079	U	0.00088	0.0079	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.039	U	0.0068	0.039	mg/Kg
108-88-3	Toluene	0.0079	U	0.0011	0.0079	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	0.0079	U	0.00094	0.0079	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0079	U	0.00090	0.0079	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0079	U	0.0013	0.0079	mg/Kg
591-78-6	2-Hexanone	0.039	U	0.0075	0.039	mg/Kg
124-48-1	Dibromochloromethane	0.0079	U	0.0010	0.0079	mg/Kg
106-93-4	1,2-Dibromoethane	0.0079	U	0.0012	0.0079	mg/Kg
127-18-4	Tetrachloroethene	0.0079	U	0.0014	0.0079	mg/Kg
108-90-7	Chlorobenzene	0.0079	U	0.0012	0.0079	mg/Kg
100-41-4	Ethyl Benzene	0.0054	J	0.00097	0.0079	mg/Kg
179601-23-1	m/p-Xylenes	0.076		0.0021	0.016	mg/Kg
95-47-6	o-Xylene	0.083		0.0011	0.0079	mg/Kg
100-42-5	Styrene	0.0079	U	0.00094	0.0079	mg/Kg
75-25-2	Bromoform	0.0079	U	0.0013	0.0079	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.0011	0.0079	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0079	U	0.0017	0.0079	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0079	U	0.0012	0.0079	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0079	U	0.0013	0.0079	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0079	U	0.00093	0.0079	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0079	U	0.0025	0.0079	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0079	U	0.0012	0.0079	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0079	U	0.0012	0.0079	mg/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.6	50 - 163	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8	54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	49.3	58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8	29 - 146	106%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	203000	7.713
540-36-3	1,4-Difluorobenzene	375000	8.616
3114-55-4	Chlorobenzene-d5	353000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.352

TENTATIVE IDENTIFIED COMPOUNDS

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103-65-1	n-propylbenzene	1.80	J		12.6	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	430	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	92.0	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	260	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	2.00	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	15.9	J		13.3	ug/Kg
004439-45-6	Benzene, 1,1-(1,5-hexadiene-1,6-d	1900	J		13.6	ug/Kg
000095-13-6	Indene	210	J		13.7	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	160	J		13.9	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	160	J		14.5	ug/Kg
002177-47-1	2-Methylindene	340	J		14.7	ug/Kg
000767-59-9	1H-Indene, 1-methyl-	460	J		14.8	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