

Report of Analysis

Client: PSEG
Project: Central Ave Substation
Client Sample ID: HT1403
Lab Sample ID: Q3354-01
Analytical Method: 8260D
Sample Wt/Vol: 3.24 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3354
Matrix: SOIL
% Solid: 17.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.044	U	1	0.010	0.044	mg/Kg	10/15/25 15:28	VY101525
74-87-3	Chloromethane	0.044	U	1	0.010	0.044	mg/Kg	10/15/25 15:28	VY101525
75-01-4	Vinyl Chloride	0.044	U	1	0.0069	0.044	mg/Kg	10/15/25 15:28	VY101525
74-83-9	Bromomethane	0.044	U	1	0.0094	0.044	mg/Kg	10/15/25 15:28	VY101525
75-00-3	Chloroethane	0.044	U	1	0.011	0.044	mg/Kg	10/15/25 15:28	VY101525
75-69-4	Trichlorofluoromethane	0.044	U	1	0.011	0.044	mg/Kg	10/15/25 15:28	VY101525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.044	U	1	0.0093	0.044	mg/Kg	10/15/25 15:28	VY101525
75-35-4	1,1-Dichloroethene	0.044	U	1	0.0088	0.044	mg/Kg	10/15/25 15:28	VY101525
67-64-1	Acetone	1.20		1	0.042	0.22	mg/Kg	10/15/25 15:28	VY101525
75-15-0	Carbon Disulfide	0.044	U	1	0.0093	0.044	mg/Kg	10/15/25 15:28	VY101525
1634-04-4	Methyl tert-butyl Ether	0.044	U	1	0.0064	0.044	mg/Kg	10/15/25 15:28	VY101525
79-20-9	Methyl Acetate	0.044	U	1	0.014	0.044	mg/Kg	10/15/25 15:28	VY101525
75-09-2	Methylene Chloride	0.088	U	1	0.031	0.088	mg/Kg	10/15/25 15:28	VY101525
156-60-5	trans-1,2-Dichloroethene	0.044	U	1	0.0075	0.044	mg/Kg	10/15/25 15:28	VY101525
75-34-3	1,1-Dichloroethane	0.044	U	1	0.0070	0.044	mg/Kg	10/15/25 15:28	VY101525
110-82-7	Cyclohexane	0.044	U	1	0.0069	0.044	mg/Kg	10/15/25 15:28	VY101525
78-93-3	2-Butanone	0.22	U	1	0.057	0.22	mg/Kg	10/15/25 15:28	VY101525
56-23-5	Carbon Tetrachloride	0.044	U	1	0.0085	0.044	mg/Kg	10/15/25 15:28	VY101525
156-59-2	cis-1,2-Dichloroethene	0.044	U	1	0.0066	0.044	mg/Kg	10/15/25 15:28	VY101525
74-97-5	Bromochloromethane	0.044	U	1	0.010	0.044	mg/Kg	10/15/25 15:28	VY101525
67-66-3	Chloroform	0.044	U	1	0.0074	0.044	mg/Kg	10/15/25 15:28	VY101525
71-55-6	1,1,1-Trichloroethane	0.044	U	1	0.0082	0.044	mg/Kg	10/15/25 15:28	VY101525
108-87-2	Methylcyclohexane	0.044	U	1	0.0080	0.044	mg/Kg	10/15/25 15:28	VY101525
71-43-2	Benzene	0.044	U	1	0.0069	0.044	mg/Kg	10/15/25 15:28	VY101525
107-06-2	1,2-Dichloroethane	0.044	U	1	0.0069	0.044	mg/Kg	10/15/25 15:28	VY101525
79-01-6	Trichloroethene	0.044	U	1	0.0071	0.044	mg/Kg	10/15/25 15:28	VY101525
78-87-5	1,2-Dichloropropane	0.044	U	1	0.0080	0.044	mg/Kg	10/15/25 15:28	VY101525
75-27-4	Bromodichloromethane	0.044	U	1	0.0068	0.044	mg/Kg	10/15/25 15:28	VY101525
108-10-1	4-Methyl-2-Pentanone	0.22	U	1	0.031	0.22	mg/Kg	10/15/25 15:28	VY101525
108-88-3	Toluene	0.044	U	1	0.0068	0.044	mg/Kg	10/15/25 15:28	VY101525
10061-02-6	t-1,3-Dichloropropene	0.044	U	1	0.0057	0.044	mg/Kg	10/15/25 15:28	VY101525
10061-01-5	cis-1,3-Dichloropropene	0.044	U	1	0.0054	0.044	mg/Kg	10/15/25 15:28	VY101525
79-00-5	1,1,2-Trichloroethane	0.044	U	1	0.0081	0.044	mg/Kg	10/15/25 15:28	VY101525
591-78-6	2-Hexanone	0.22	U	1	0.032	0.22	mg/Kg	10/15/25 15:28	VY101525
124-48-1	Dibromochloromethane	0.044	U	1	0.0076	0.044	mg/Kg	10/15/25 15:28	VY101525
106-93-4	1,2-Dibromoethane	0.044	U	1	0.0077	0.044	mg/Kg	10/15/25 15:28	VY101525
127-18-4	Tetrachloroethene	0.044	U	1	0.0092	0.044	mg/Kg	10/15/25 15:28	VY101525
108-90-7	Chlorobenzene	0.044	U	1	0.0080	0.044	mg/Kg	10/15/25 15:28	VY101525
100-41-4	Ethyl Benzene	0.044	U	1	0.0059	0.044	mg/Kg	10/15/25 15:28	VY101525
179601-23-1	m/p-Xylenes	0.088	U	1	0.011	0.088	mg/Kg	10/15/25 15:28	VY101525
95-47-6	o-Xylene	0.044	U	1	0.0072	0.044	mg/Kg	10/15/25 15:28	VY101525
100-42-5	Styrene	0.044	U	1	0.0062	0.044	mg/Kg	10/15/25 15:28	VY101525
75-25-2	Bromoform	0.044	U	1	0.0075	0.044	mg/Kg	10/15/25 15:28	VY101525

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Lab Sample ID: Q3354-01	Matrix: SOIL
Analytical Method: 8260D	% Solid: 17.6
Sample Wt/Vol: 3.24 g	Test: VOC-TCLVOA-10
Level: LOW	
Final Vol: 5000 uL	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.044	U	1	0.0068	0.044	mg/Kg	10/15/25 15:28	VY101525
79-34-5	1,1,2,2-Tetrachloroethane	0.044	U	1	0.011	0.044	mg/Kg	10/15/25 15:28	VY101525
541-73-1	1,3-Dichlorobenzene	0.044	U	1	0.015	0.044	mg/Kg	10/15/25 15:28	VY101525
106-46-7	1,4-Dichlorobenzene	0.044	U	1	0.014	0.044	mg/Kg	10/15/25 15:28	VY101525
95-50-1	1,2-Dichlorobenzene	0.044	U	1	0.013	0.044	mg/Kg	10/15/25 15:28	VY101525
96-12-8	1,2-Dibromo-3-Chloropropane	0.044	U	1	0.016	0.044	mg/Kg	10/15/25 15:28	VY101525
120-82-1	1,2,4-Trichlorobenzene	0.044	U	1	0.026	0.044	mg/Kg	10/15/25 15:28	VY101525
87-61-6	1,2,3-Trichlorobenzene	0.044	U	1	0.028	0.044	mg/Kg	10/15/25 15:28	VY101525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.0			63 - 155	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.0			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	53.1			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.7			17 - 146	105%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	480000							
540-36-3	1,4-Difluorobenzene	923000							
3114-55-4	Chlorobenzene-d5	922000							
3855-82-1	1,4-Dichlorobenzene-d4	416000							
TENTATIVE IDENTIFIED COMPOUNDS									
000111-87-51	Octanol	96.2	J			13.8	ug/Kg		
000293-96-9	Cyclodecane	320	J			15.5	ug/Kg		
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-	154.9	J			16.1	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