

Report of Analysis

Client: PSEG
Project: PSEG Branch Brook Substation
Client Sample ID: CHRT27080
Lab Sample ID: Q3583-04
Analytical Method: 8260D
Sample Wt/Vol: 4.2 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3583
Matrix: SOIL
% Solid: 14.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0093	U	1	0.0093	0.041	mg/Kg	11/11/25 13:11	VW111125
74-87-3	Chloromethane	0.0093	U	1	0.0093	0.041	mg/Kg	11/11/25 13:11	VW111125
75-01-4	Vinyl Chloride	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
74-83-9	Bromomethane	0.0087	U	1	0.0087	0.041	mg/Kg	11/11/25 13:11	VW111125
75-00-3	Chloroethane	0.010	U	1	0.010	0.041	mg/Kg	11/11/25 13:11	VW111125
75-69-4	Trichlorofluoromethane	0.0099	U	1	0.0099	0.041	mg/Kg	11/11/25 13:11	VW111125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0086	U	1	0.0086	0.041	mg/Kg	11/11/25 13:11	VW111125
75-35-4	1,1-Dichloroethene	0.0082	U	1	0.0082	0.041	mg/Kg	11/11/25 13:11	VW111125
67-64-1	Acetone	0.039	U	1	0.039	0.20	mg/Kg	11/11/25 13:11	VW111125
75-15-0	Carbon Disulfide	0.0086	U	1	0.0086	0.041	mg/Kg	11/11/25 13:11	VW111125
1634-04-4	Methyl tert-butyl Ether	0.0060	U	1	0.0060	0.041	mg/Kg	11/11/25 13:11	VW111125
79-20-9	Methyl Acetate	0.013	U	1	0.013	0.041	mg/Kg	11/11/25 13:11	VW111125
75-09-2	Methylene Chloride	0.029	U	1	0.029	0.082	mg/Kg	11/11/25 13:11	VW111125
156-60-5	trans-1,2-Dichloroethene	0.0070	U	1	0.0070	0.041	mg/Kg	11/11/25 13:11	VW111125
75-34-3	1,1-Dichloroethane	0.0065	U	1	0.0065	0.041	mg/Kg	11/11/25 13:11	VW111125
110-82-7	Cyclohexane	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
78-93-3	2-Butanone	0.053	U	1	0.053	0.20	mg/Kg	11/11/25 13:11	VW111125
56-23-5	Carbon Tetrachloride	0.0079	U	1	0.0079	0.041	mg/Kg	11/11/25 13:11	VW111125
156-59-2	cis-1,2-Dichloroethene	0.0061	U	1	0.0061	0.041	mg/Kg	11/11/25 13:11	VW111125
74-97-5	Bromochloromethane	0.0094	U	1	0.0094	0.041	mg/Kg	11/11/25 13:11	VW111125
67-66-3	Chloroform	0.0068	U	1	0.0068	0.041	mg/Kg	11/11/25 13:11	VW111125
71-55-6	1,1,1-Trichloroethane	0.0076	U	1	0.0076	0.041	mg/Kg	11/11/25 13:11	VW111125
108-87-2	Methylcyclohexane	0.0074	U	1	0.0074	0.041	mg/Kg	11/11/25 13:11	VW111125
71-43-2	Benzene	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
107-06-2	1,2-Dichloroethane	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
79-01-6	Trichloroethene	0.0066	U	1	0.0066	0.041	mg/Kg	11/11/25 13:11	VW111125
78-87-5	1,2-Dichloropropane	0.0074	U	1	0.0074	0.041	mg/Kg	11/11/25 13:11	VW111125
75-27-4	Bromodichloromethane	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
108-10-1	4-Methyl-2-Pentanone	0.029	U	1	0.029	0.20	mg/Kg	11/11/25 13:11	VW111125
108-88-3	Toluene	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
10061-02-6	t-1,3-Dichloropropene	0.0053	U	1	0.0053	0.041	mg/Kg	11/11/25 13:11	VW111125
10061-01-5	cis-1,3-Dichloropropene	0.0051	U	1	0.0051	0.041	mg/Kg	11/11/25 13:11	VW111125
79-00-5	1,1,2-Trichloroethane	0.0075	U	1	0.0075	0.041	mg/Kg	11/11/25 13:11	VW111125
591-78-6	2-Hexanone	0.030	U	1	0.030	0.20	mg/Kg	11/11/25 13:11	VW111125
124-48-1	Dibromochloromethane	0.0071	U	1	0.0071	0.041	mg/Kg	11/11/25 13:11	VW111125
106-93-4	1,2-Dibromoethane	0.0072	U	1	0.0072	0.041	mg/Kg	11/11/25 13:11	VW111125
127-18-4	Tetrachloroethene	0.0086	U	1	0.0086	0.041	mg/Kg	11/11/25 13:11	VW111125
108-90-7	Chlorobenzene	0.0074	U	1	0.0074	0.041	mg/Kg	11/11/25 13:11	VW111125
100-41-4	Ethyl Benzene	0.0055	U	1	0.0055	0.041	mg/Kg	11/11/25 13:11	VW111125
179601-23-1	m/p-Xylenes	0.010	U	1	0.010	0.082	mg/Kg	11/11/25 13:11	VW111125
95-47-6	o-Xylene	0.0067	U	1	0.0067	0.041	mg/Kg	11/11/25 13:11	VW111125
100-42-5	Styrene	0.0058	U	1	0.0058	0.041	mg/Kg	11/11/25 13:11	VW111125
75-25-2	Bromoform	0.0070	U	1	0.0070	0.041	mg/Kg	11/11/25 13:11	VW111125

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Branch Brook Substation	Date Received:	11/07/25
Client Sample ID:	CHRT27080	SDG No.:	Q3583
Lab Sample ID:	Q3583-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	14.6
Sample Wt/Vol:	4.2 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	0.0064	U	1	0.0064	0.041	mg/Kg	11/11/25 13:11	VW111125
79-34-5	1,1,2,2-Tetrachloroethane	0.0099	U	1	0.0099	0.041	mg/Kg	11/11/25 13:11	VW111125
541-73-1	1,3-Dichlorobenzene	0.014	U	1	0.014	0.041	mg/Kg	11/11/25 13:11	VW111125
106-46-7	1,4-Dichlorobenzene	0.013	U	1	0.013	0.041	mg/Kg	11/11/25 13:11	VW111125
95-50-1	1,2-Dichlorobenzene	0.012	U	1	0.012	0.041	mg/Kg	11/11/25 13:11	VW111125
96-12-8	1,2-Dibromo-3-Chloropropane	0.015	U	1	0.015	0.041	mg/Kg	11/11/25 13:11	VW111125
120-82-1	1,2,4-Trichlorobenzene	0.024	U	1	0.024	0.041	mg/Kg	11/11/25 13:11	VW111125
87-61-6	1,2,3-Trichlorobenzene	0.026	U	1	0.026	0.041	mg/Kg	11/11/25 13:11	VW111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	66.4			63 - 155	133%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.5			70 - 134	117%	SPK: 50		
2037-26-5	Toluene-d8	54.9			74 - 123	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.4			52 - 138	113%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	243000							
540-36-3	1,4-Difluorobenzene	558000							
3114-55-4	Chlorobenzene-d5	544000							
3855-82-1	1,4-Dichlorobenzene-d4	224000							
TENTATIVE IDENTIFIED COMPOUNDS									
000079-92-5	Camphene	62.0	J			12.7	ug/Kg		
000473-19-8	Bicyclo[2.2.1]heptane, 2,2,3-trime	100	J			13.0	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