

Report of Analysis

Client: PSEG
Project: PSEG Gloucester Substation
Client Sample ID: TP-A-B
Lab Sample ID: Q3821-01
Analytical Method: 8260D
Sample Wt/Vol: 4.21 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/09/25
Date Received: 12/09/25
SDG No.: Q3821
Matrix: SOIL
% Solid: 91.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0065	U	1	0.0015	0.0065	mg/Kg	12/11/25 10:45	VY121125
74-87-3	Chloromethane	0.0065	U	1	0.0015	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-01-4	Vinyl Chloride	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
74-83-9	Bromomethane	0.0065	U	1	0.0014	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-00-3	Chloroethane	0.0065	U	1	0.0016	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-69-4	Trichlorofluoromethane	0.0065	U	1	0.0016	0.0065	mg/Kg	12/11/25 10:45	VY121125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0065	U	1	0.0014	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-35-4	1,1-Dichloroethene	0.0065	U	1	0.0013	0.0065	mg/Kg	12/11/25 10:45	VY121125
67-64-1	Acetone	0.032	U	1	0.0062	0.032	mg/Kg	12/11/25 10:45	VY121125
75-15-0	Carbon Disulfide	0.0065	U	1	0.0014	0.0065	mg/Kg	12/11/25 10:45	VY121125
1634-04-4	Methyl tert-butyl Ether	0.0065	U	1	0.00095	0.0065	mg/Kg	12/11/25 10:45	VY121125
79-20-9	Methyl Acetate	0.0065	U	1	0.0020	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-09-2	Methylene Chloride	0.013	U	1	0.0046	0.013	mg/Kg	12/11/25 10:45	VY121125
156-60-5	trans-1,2-Dichloroethene	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-34-3	1,1-Dichloroethane	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
110-82-7	Cyclohexane	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
78-93-3	2-Butanone	0.032	U	1	0.0085	0.032	mg/Kg	12/11/25 10:45	VY121125
56-23-5	Carbon Tetrachloride	0.0065	U	1	0.0013	0.0065	mg/Kg	12/11/25 10:45	VY121125
156-59-2	cis-1,2-Dichloroethene	0.0065	U	1	0.00097	0.0065	mg/Kg	12/11/25 10:45	VY121125
74-97-5	Bromochloromethane	0.0065	U	1	0.0015	0.0065	mg/Kg	12/11/25 10:45	VY121125
67-66-3	Chloroform	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125
71-55-6	1,1,1-Trichloroethane	0.0065	U	1	0.0012	0.0065	mg/Kg	12/11/25 10:45	VY121125
108-87-2	Methylcyclohexane	0.0065	U	1	0.0012	0.0065	mg/Kg	12/11/25 10:45	VY121125
71-43-2	Benzene	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
107-06-2	1,2-Dichloroethane	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
79-01-6	Trichloroethene	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125
78-87-5	1,2-Dichloropropane	0.0065	U	1	0.0012	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-27-4	Bromodichloromethane	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
108-10-1	4-Methyl-2-Pentanone	0.032	U	1	0.0046	0.032	mg/Kg	12/11/25 10:45	VY121125
108-88-3	Toluene	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
10061-02-6	t-1,3-Dichloropropene	0.0065	U	1	0.00084	0.0065	mg/Kg	12/11/25 10:45	VY121125
10061-01-5	cis-1,3-Dichloropropene	0.0065	U	1	0.00080	0.0065	mg/Kg	12/11/25 10:45	VY121125
79-00-5	1,1,2-Trichloroethane	0.0065	U	1	0.0012	0.0065	mg/Kg	12/11/25 10:45	VY121125
591-78-6	2-Hexanone	0.032	U	1	0.0048	0.032	mg/Kg	12/11/25 10:45	VY121125
124-48-1	Dibromochloromethane	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125
106-93-4	1,2-Dibromoethane	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125
127-18-4	Tetrachloroethene	0.0065	U	1	0.0014	0.0065	mg/Kg	12/11/25 10:45	VY121125
108-90-7	Chlorobenzene	0.0065	U	1	0.0012	0.0065	mg/Kg	12/11/25 10:45	VY121125
100-41-4	Ethyl Benzene	0.0065	U	1	0.00087	0.0065	mg/Kg	12/11/25 10:45	VY121125
179601-23-1	m/p-Xylenes	0.013	U	1	0.0016	0.013	mg/Kg	12/11/25 10:45	VY121125
95-47-6	o-Xylene	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125
100-42-5	Styrene	0.0065	U	1	0.00092	0.0065	mg/Kg	12/11/25 10:45	VY121125
75-25-2	Bromoform	0.0065	U	1	0.0011	0.0065	mg/Kg	12/11/25 10:45	VY121125

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Matrix: SOIL
% Solid: 91.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.0065	U	1	0.0010	0.0065	mg/Kg	12/11/25 10:45	VY121125
79-34-5	1,1,2,2-Tetrachloroethane	0.0065	U	1	0.0016	0.0065	mg/Kg	12/11/25 10:45	VY121125
541-73-1	1,3-Dichlorobenzene	0.0065	U	1	0.0022	0.0065	mg/Kg	12/11/25 10:45	VY121125
106-46-7	1,4-Dichlorobenzene	0.0065	U	1	0.0020	0.0065	mg/Kg	12/11/25 10:45	VY121125
95-50-1	1,2-Dichlorobenzene	0.0065	U	1	0.0019	0.0065	mg/Kg	12/11/25 10:45	VY121125
96-12-8	1,2-Dibromo-3-Chloropropane	0.0065	U	1	0.0024	0.0065	mg/Kg	12/11/25 10:45	VY121125
120-82-1	1,2,4-Trichlorobenzene	0.0065	U	1	0.0039	0.0065	mg/Kg	12/11/25 10:45	VY121125
87-61-6	1,2,3-Trichlorobenzene	0.0065	U	1	0.0041	0.0065	mg/Kg	12/11/25 10:45	VY121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.9			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.4			70 - 134	95%	SPK: 50		
2037-26-5	Toluene-d8	46.7			74 - 123	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.8			52 - 138	82%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	721000							
540-36-3	1,4-Difluorobenzene	1240000							
3114-55-4	Chlorobenzene-d5	1040000							
3855-82-1	1,4-Dichlorobenzene-d4	430000							

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