

Report of Analysis

Client: PSEG
Project: Nicholson Substation
Client Sample ID: LAYDOWN-YARD-2
Lab Sample ID: Q3337-03
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/13/25
Date Received: 10/13/25
SDG No.: Q3337
Matrix: SOIL
% Solid: 86.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0058	U	1	0.0013	0.0058	mg/Kg	10/13/25 15:29	VY101325
74-87-3	Chloromethane	0.0058	U	1	0.0013	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-01-4	Vinyl Chloride	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
74-83-9	Bromomethane	0.0058	U	1	0.0012	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-00-3	Chloroethane	0.0058	U	1	0.0015	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-69-4	Trichlorofluoromethane	0.0058	U	1	0.0014	0.0058	mg/Kg	10/13/25 15:29	VY101325
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0058	U	1	0.0012	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-35-4	1,1-Dichloroethene	0.0058	U	1	0.0012	0.0058	mg/Kg	10/13/25 15:29	VY101325
67-64-1	Acetone	0.029	U	1	0.0055	0.029	mg/Kg	10/13/25 15:29	VY101325
75-15-0	Carbon Disulfide	0.0058	U	1	0.0012	0.0058	mg/Kg	10/13/25 15:29	VY101325
1634-04-4	Methyl tert-butyl Ether	0.0058	U	1	0.0008	0.0058	mg/Kg	10/13/25 15:29	VY101325
79-20-9	Methyl Acetate	0.0058	U	1	0.0018	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-09-2	Methylene Chloride	0.0041	J	1	0.0041	0.012	mg/Kg	10/13/25 15:29	VY101325
156-60-5	trans-1,2-Dichloroethene	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-34-3	1,1-Dichloroethane	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
110-82-7	Cyclohexane	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
78-93-3	2-Butanone	0.029	U	1	0.0075	0.029	mg/Kg	10/13/25 15:29	VY101325
56-23-5	Carbon Tetrachloride	0.0058	U	1	0.0011	0.0058	mg/Kg	10/13/25 15:29	VY101325
156-59-2	cis-1,2-Dichloroethene	0.0058	U	1	0.0008	0.0058	mg/Kg	10/13/25 15:29	VY101325
74-97-5	Bromochloromethane	0.0058	U	1	0.0013	0.0058	mg/Kg	10/13/25 15:29	VY101325
67-66-3	Chloroform	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
71-55-6	1,1,1-Trichloroethane	0.0058	U	1	0.0011	0.0058	mg/Kg	10/13/25 15:29	VY101325
108-87-2	Methylcyclohexane	0.0058	U	1	0.0010	0.0058	mg/Kg	10/13/25 15:29	VY101325
71-43-2	Benzene	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
107-06-2	1,2-Dichloroethane	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
79-01-6	Trichloroethene	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
78-87-5	1,2-Dichloropropane	0.0058	U	1	0.0010	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-27-4	Bromodichloromethane	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
108-10-1	4-Methyl-2-Pentanone	0.029	U	1	0.0041	0.029	mg/Kg	10/13/25 15:29	VY101325
108-88-3	Toluene	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
10061-02-6	t-1,3-Dichloropropene	0.0058	U	1	0.0007	0.0058	mg/Kg	10/13/25 15:29	VY101325
10061-01-5	cis-1,3-Dichloropropene	0.0058	U	1	0.0007	0.0058	mg/Kg	10/13/25 15:29	VY101325
79-00-5	1,1,2-Trichloroethane	0.0058	U	1	0.0011	0.0058	mg/Kg	10/13/25 15:29	VY101325
591-78-6	2-Hexanone	0.029	U	1	0.0043	0.029	mg/Kg	10/13/25 15:29	VY101325
124-48-1	Dibromochloromethane	0.0058	U	1	0.0010	0.0058	mg/Kg	10/13/25 15:29	VY101325
106-93-4	1,2-Dibromoethane	0.0058	U	1	0.0010	0.0058	mg/Kg	10/13/25 15:29	VY101325
127-18-4	Tetrachloroethene	0.0058	U	1	0.0012	0.0058	mg/Kg	10/13/25 15:29	VY101325
108-90-7	Chlorobenzene	0.0058	U	1	0.0010	0.0058	mg/Kg	10/13/25 15:29	VY101325
100-41-4	Ethyl Benzene	0.0058	U	1	0.0007	0.0058	mg/Kg	10/13/25 15:29	VY101325
179601-23-1	m/p-Xylenes	0.012	U	1	0.0014	0.012	mg/Kg	10/13/25 15:29	VY101325
95-47-6	o-Xylene	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
100-42-5	Styrene	0.0058	U	1	0.0008	0.0058	mg/Kg	10/13/25 15:29	VY101325
75-25-2	Bromoform	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.0058	U	1	0.0009	0.0058	mg/Kg	10/13/25 15:29	VY101325
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U	1	0.0014	0.0058	mg/Kg	10/13/25 15:29	VY101325
541-73-1	1,3-Dichlorobenzene	0.0058	U	1	0.0020	0.0058	mg/Kg	10/13/25 15:29	VY101325
106-46-7	1,4-Dichlorobenzene	0.0058	U	1	0.0018	0.0058	mg/Kg	10/13/25 15:29	VY101325
95-50-1	1,2-Dichlorobenzene	0.0058	U	1	0.0017	0.0058	mg/Kg	10/13/25 15:29	VY101325
96-12-8	1,2-Dibromo-3-Chloropropane	0.0058	U	1	0.0021	0.0058	mg/Kg	10/13/25 15:29	VY101325
120-82-1	1,2,4-Trichlorobenzene	0.0058	U	1	0.0034	0.0058	mg/Kg	10/13/25 15:29	VY101325
87-61-6	1,2,3-Trichlorobenzene	0.0058	U	1	0.0037	0.0058	mg/Kg	10/13/25 15:29	VY101325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.1			63 - 15	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.4			70 - 13	107%	SPK: 50		
2037-26-5	Toluene-d8	52.0			74 - 12	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.5			17 - 14	107%	SPK: 50		
INTERNAL STANDARDS									
		Area							
363-72-4	Pentafluorobenzene	595000							
540-36-3	1,4-Difluorobenzene	1160000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	513000							

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