

Report of Analysis

Client: PSEG
Project: South Mahwah Switch
Client Sample ID: SOUTH-MAHWAH-SOIL
Lab Sample ID: Q3477-01
Analytical Method: 8260D
Sample Wt/Vol: 5.34 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/28/25
Date Received: 10/28/25
SDG No.: Q3477
Matrix: SOIL
% Solid: 87.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0053	U	1	0.0012	0.0053	mg/Kg	10/28/25 14:06	VY102825
74-87-3	Chloromethane	0.0053	U	1	0.0012	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-01-4	Vinyl Chloride	0.0053	U	1	0.00084	0.0053	mg/Kg	10/28/25 14:06	VY102825
74-83-9	Bromomethane	0.0053	U	1	0.0011	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-00-3	Chloroethane	0.0053	U	1	0.0013	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-69-4	Trichlorofluoromethane	0.0053	U	1	0.0013	0.0053	mg/Kg	10/28/25 14:06	VY102825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0053	U	1	0.0011	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-35-4	1,1-Dichloroethene	0.0053	U	1	0.0011	0.0053	mg/Kg	10/28/25 14:06	VY102825
67-64-1	Acetone	0.027	U	1	0.0050	0.027	mg/Kg	10/28/25 14:06	VY102825
75-15-0	Carbon Disulfide	0.0053	U	1	0.0011	0.0053	mg/Kg	10/28/25 14:06	VY102825
1634-04-4	Methyl tert-butyl Ether	0.0053	U	1	0.00078	0.0053	mg/Kg	10/28/25 14:06	VY102825
79-20-9	Methyl Acetate	0.0053	U	1	0.0016	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-09-2	Methylene Chloride	0.011	U	1	0.0038	0.011	mg/Kg	10/28/25 14:06	VY102825
156-60-5	trans-1,2-Dichloroethene	0.0053	U	1	0.00092	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-34-3	1,1-Dichloroethane	0.0053	U	1	0.00085	0.0053	mg/Kg	10/28/25 14:06	VY102825
110-82-7	Cyclohexane	0.0053	U	1	0.00084	0.0053	mg/Kg	10/28/25 14:06	VY102825
78-93-3	2-Butanone	0.027	U	1	0.0070	0.027	mg/Kg	10/28/25 14:06	VY102825
56-23-5	Carbon Tetrachloride	0.0053	U	1	0.0010	0.0053	mg/Kg	10/28/25 14:06	VY102825
156-59-2	cis-1,2-Dichloroethene	0.0053	U	1	0.00080	0.0053	mg/Kg	10/28/25 14:06	VY102825
74-97-5	Bromochloromethane	0.0053	U	1	0.0012	0.0053	mg/Kg	10/28/25 14:06	VY102825
67-66-3	Chloroform	0.0053	U	1	0.00089	0.0053	mg/Kg	10/28/25 14:06	VY102825
71-55-6	1,1,1-Trichloroethane	0.0053	U	1	0.00099	0.0053	mg/Kg	10/28/25 14:06	VY102825
108-87-2	Methylcyclohexane	0.0053	U	1	0.00097	0.0053	mg/Kg	10/28/25 14:06	VY102825
71-43-2	Benzene	0.0053	U	1	0.00084	0.0053	mg/Kg	10/28/25 14:06	VY102825
107-06-2	1,2-Dichloroethane	0.0053	U	1	0.00084	0.0053	mg/Kg	10/28/25 14:06	VY102825
79-01-6	Trichloroethene	0.0053	U	1	0.00086	0.0053	mg/Kg	10/28/25 14:06	VY102825
78-87-5	1,2-Dichloropropane	0.0053	U	1	0.00097	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-27-4	Bromodichloromethane	0.0053	U	1	0.00083	0.0053	mg/Kg	10/28/25 14:06	VY102825
108-10-1	4-Methyl-2-Pentanone	0.027	U	1	0.0038	0.027	mg/Kg	10/28/25 14:06	VY102825
108-88-3	Toluene	0.0053	U	1	0.00083	0.0053	mg/Kg	10/28/25 14:06	VY102825
10061-02-6	t-1,3-Dichloropropene	0.0053	U	1	0.00069	0.0053	mg/Kg	10/28/25 14:06	VY102825
10061-01-5	cis-1,3-Dichloropropene	0.0053	U	1	0.00066	0.0053	mg/Kg	10/28/25 14:06	VY102825
79-00-5	1,1,2-Trichloroethane	0.0053	U	1	0.00098	0.0053	mg/Kg	10/28/25 14:06	VY102825
591-78-6	2-Hexanone	0.027	U	1	0.0039	0.027	mg/Kg	10/28/25 14:06	VY102825
124-48-1	Dibromochloromethane	0.0053	U	1	0.00093	0.0053	mg/Kg	10/28/25 14:06	VY102825
106-93-4	1,2-Dibromoethane	0.0053	U	1	0.00094	0.0053	mg/Kg	10/28/25 14:06	VY102825
127-18-4	Tetrachloroethene	0.0053	U	1	0.0011	0.0053	mg/Kg	10/28/25 14:06	VY102825
108-90-7	Chlorobenzene	0.0053	U	1	0.00097	0.0053	mg/Kg	10/28/25 14:06	VY102825
100-41-4	Ethyl Benzene	0.0053	U	1	0.00071	0.0053	mg/Kg	10/28/25 14:06	VY102825
179601-23-1	m/p-Xylenes	0.011	U	1	0.0013	0.011	mg/Kg	10/28/25 14:06	VY102825
95-47-6	o-Xylene	0.0053	U	1	0.00087	0.0053	mg/Kg	10/28/25 14:06	VY102825
100-42-5	Styrene	0.0053	U	1	0.00076	0.0053	mg/Kg	10/28/25 14:06	VY102825
75-25-2	Bromoform	0.0053	U	1	0.00092	0.0053	mg/Kg	10/28/25 14:06	VY102825

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.0053	U	1	0.00083	0.0053	mg/Kg	10/28/25 14:06	VY102825
79-34-5	1,1,2,2-Tetrachloroethane	0.0053	U	1	0.0013	0.0053	mg/Kg	10/28/25 14:06	VY102825
541-73-1	1,3-Dichlorobenzene	0.0053	U	1	0.0018	0.0053	mg/Kg	10/28/25 14:06	VY102825
106-46-7	1,4-Dichlorobenzene	0.0053	U	1	0.0017	0.0053	mg/Kg	10/28/25 14:06	VY102825
95-50-1	1,2-Dichlorobenzene	0.0053	U	1	0.0015	0.0053	mg/Kg	10/28/25 14:06	VY102825
96-12-8	1,2-Dibromo-3-Chloropropane	0.0053	U	1	0.0020	0.0053	mg/Kg	10/28/25 14:06	VY102825
120-82-1	1,2,4-Trichlorobenzene	0.0053	U	1	0.0032	0.0053	mg/Kg	10/28/25 14:06	VY102825
87-61-6	1,2,3-Trichlorobenzene	0.0053	U	1	0.0034	0.0053	mg/Kg	10/28/25 14:06	VY102825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.6			63 - 155	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.1			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	49.0			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.0			17 - 146	78%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	717000							
540-36-3	1,4-Difluorobenzene	1190000							
3114-55-4	Chlorobenzene-d5	970000							
3855-82-1	1,4-Dichlorobenzene-d4	368000							

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