

Report of Analysis

Client: PSEG
Project: PSEG Sewaren Laydown Yard
Client Sample ID: VNJ-245
Lab Sample ID: Q3581-03
Analytical Method: 8260D
Sample Wt/Vol: 5.83 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3581
Matrix: SOIL
% Solid: 86.8
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0049	U	1	0.0011	0.0049	mg/Kg	11/11/25 14:50	VY111125
74-87-3	Chloromethane	0.0049	U	1	0.0011	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-01-4	Vinyl Chloride	0.0049	U	1	0.00078	0.0049	mg/Kg	11/11/25 14:50	VY111125
74-83-9	Bromomethane	0.0049	U	1	0.0011	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-00-3	Chloroethane	0.0049	U	1	0.0012	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-69-4	Trichlorofluoromethane	0.0049	U	1	0.0012	0.0049	mg/Kg	11/11/25 14:50	VY111125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0049	U	1	0.0010	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-35-4	1,1-Dichloroethene	0.0049	U	1	0.00099	0.0049	mg/Kg	11/11/25 14:50	VY111125
67-64-1	Acetone	0.025	U	1	0.0047	0.025	mg/Kg	11/11/25 14:50	VY111125
75-15-0	Carbon Disulfide	0.0049	U	1	0.0010	0.0049	mg/Kg	11/11/25 14:50	VY111125
1634-04-4	Methyl tert-butyl Ether	0.0049	U	1	0.00072	0.0049	mg/Kg	11/11/25 14:50	VY111125
79-20-9	Methyl Acetate	0.0049	U	1	0.0015	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-09-2	Methylene Chloride	0.0099	U	1	0.0035	0.0099	mg/Kg	11/11/25 14:50	VY111125
156-60-5	trans-1,2-Dichloroethene	0.0049	U	1	0.00085	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-34-3	1,1-Dichloroethane	0.0049	U	1	0.00079	0.0049	mg/Kg	11/11/25 14:50	VY111125
110-82-7	Cyclohexane	0.0049	U	1	0.00078	0.0049	mg/Kg	11/11/25 14:50	VY111125
78-93-3	2-Butanone	0.025	U	1	0.0065	0.025	mg/Kg	11/11/25 14:50	VY111125
56-23-5	Carbon Tetrachloride	0.0049	U	1	0.00096	0.0049	mg/Kg	11/11/25 14:50	VY111125
156-59-2	cis-1,2-Dichloroethene	0.0049	U	1	0.00074	0.0049	mg/Kg	11/11/25 14:50	VY111125
74-97-5	Bromochloromethane	0.0049	U	1	0.0011	0.0049	mg/Kg	11/11/25 14:50	VY111125
67-66-3	Chloroform	0.0049	U	1	0.00083	0.0049	mg/Kg	11/11/25 14:50	VY111125
71-55-6	1,1,1-Trichloroethane	0.0049	U	1	0.00092	0.0049	mg/Kg	11/11/25 14:50	VY111125
108-87-2	Methylcyclohexane	0.0049	U	1	0.00090	0.0049	mg/Kg	11/11/25 14:50	VY111125
71-43-2	Benzene	0.0049	U	1	0.00078	0.0049	mg/Kg	11/11/25 14:50	VY111125
107-06-2	1,2-Dichloroethane	0.0049	U	1	0.00078	0.0049	mg/Kg	11/11/25 14:50	VY111125
79-01-6	Trichloroethene	0.0049	U	1	0.00080	0.0049	mg/Kg	11/11/25 14:50	VY111125
78-87-5	1,2-Dichloropropane	0.0049	U	1	0.00090	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-27-4	Bromodichloromethane	0.0049	U	1	0.00077	0.0049	mg/Kg	11/11/25 14:50	VY111125
108-10-1	4-Methyl-2-Pentanone	0.025	U	1	0.0035	0.025	mg/Kg	11/11/25 14:50	VY111125
108-88-3	Toluene	0.0049	U	1	0.00077	0.0049	mg/Kg	11/11/25 14:50	VY111125
10061-02-6	t-1,3-Dichloropropene	0.0049	U	1	0.00064	0.0049	mg/Kg	11/11/25 14:50	VY111125
10061-01-5	cis-1,3-Dichloropropene	0.0049	U	1	0.00061	0.0049	mg/Kg	11/11/25 14:50	VY111125
79-00-5	1,1,2-Trichloroethane	0.0049	U	1	0.00091	0.0049	mg/Kg	11/11/25 14:50	VY111125
591-78-6	2-Hexanone	0.025	U	1	0.0036	0.025	mg/Kg	11/11/25 14:50	VY111125
124-48-1	Dibromochloromethane	0.0049	U	1	0.00086	0.0049	mg/Kg	11/11/25 14:50	VY111125
106-93-4	1,2-Dibromoethane	0.0049	U	1	0.00087	0.0049	mg/Kg	11/11/25 14:50	VY111125
127-18-4	Tetrachloroethene	0.0049	U	1	0.0010	0.0049	mg/Kg	11/11/25 14:50	VY111125
108-90-7	Chlorobenzene	0.0049	U	1	0.00090	0.0049	mg/Kg	11/11/25 14:50	VY111125
100-41-4	Ethyl Benzene	0.0049	U	1	0.00066	0.0049	mg/Kg	11/11/25 14:50	VY111125
179601-23-1	m/p-Xylenes	0.0099	U	1	0.0012	0.0099	mg/Kg	11/11/25 14:50	VY111125
95-47-6	o-Xylene	0.0049	U	1	0.00081	0.0049	mg/Kg	11/11/25 14:50	VY111125
100-42-5	Styrene	0.0049	U	1	0.00070	0.0049	mg/Kg	11/11/25 14:50	VY111125
75-25-2	Bromoform	0.0049	U	1	0.00085	0.0049	mg/Kg	11/11/25 14:50	VY111125

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.0049	U	1	0.00077	0.0049	mg/Kg	11/11/25 14:50	VY111125
79-34-5	1,1,2,2-Tetrachloroethane	0.0049	U	1	0.0012	0.0049	mg/Kg	11/11/25 14:50	VY111125
541-73-1	1,3-Dichlorobenzene	0.0049	U	1	0.0017	0.0049	mg/Kg	11/11/25 14:50	VY111125
106-46-7	1,4-Dichlorobenzene	0.0049	U	1	0.0015	0.0049	mg/Kg	11/11/25 14:50	VY111125
95-50-1	1,2-Dichlorobenzene	0.0049	U	1	0.0014	0.0049	mg/Kg	11/11/25 14:50	VY111125
96-12-8	1,2-Dibromo-3-Chloropropane	0.0049	U	1	0.0018	0.0049	mg/Kg	11/11/25 14:50	VY111125
120-82-1	1,2,4-Trichlorobenzene	0.0049	U	1	0.0029	0.0049	mg/Kg	11/11/25 14:50	VY111125
87-61-6	1,2,3-Trichlorobenzene	0.0049	U	1	0.0031	0.0049	mg/Kg	11/11/25 14:50	VY111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.3			63 - 155	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	48.9			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.1			52 - 138	86%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	835000							
540-36-3	1,4-Difluorobenzene	1410000							
3114-55-4	Chlorobenzene-d5	1200000							
3855-82-1	1,4-Dichlorobenzene-d4	490000							

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