

Report of Analysis

Client: PSEG
Project: PSEG Trenton M&R
Client Sample ID: TP5
Lab Sample ID: Q3486-05
Analytical Method: 8260D
Sample Wt/Vol: 7.75 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/29/25
Date Received: 10/29/25
SDG No.: Q3486
Matrix: SOIL
% Solid: 83.1
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.00089	U	1	0.00089	0.0039	mg/Kg	10/30/25 12:40	VY103025
74-87-3	Chloromethane	0.00089	U	1	0.00089	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-01-4	Vinyl Chloride	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
74-83-9	Bromomethane	0.00083	U	1	0.00083	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-00-3	Chloroethane	0.00098	U	1	0.00098	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-69-4	Trichlorofluoromethane	0.00094	U	1	0.00094	0.0039	mg/Kg	10/30/25 12:40	VY103025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00082	U	1	0.00082	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-35-4	1,1-Dichloroethene	0.00078	U	1	0.00078	0.0039	mg/Kg	10/30/25 12:40	VY103025
67-64-1	Acetone	0.0037	U	1	0.0037	0.019	mg/Kg	10/30/25 12:40	VY103025
75-15-0	Carbon Disulfide	0.00082	U	1	0.00082	0.0039	mg/Kg	10/30/25 12:40	VY103025
1634-04-4	Methyl tert-butyl Ether	0.00057	U	1	0.00057	0.0039	mg/Kg	10/30/25 12:40	VY103025
79-20-9	Methyl Acetate	0.0012	U	1	0.0012	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-09-2	Methylene Chloride	0.0053	J	1	0.0027	0.0078	mg/Kg	10/30/25 12:40	VY103025
156-60-5	trans-1,2-Dichloroethene	0.00067	U	1	0.00067	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-34-3	1,1-Dichloroethane	0.00062	U	1	0.00062	0.0039	mg/Kg	10/30/25 12:40	VY103025
110-82-7	Cyclohexane	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
78-93-3	2-Butanone	0.0051	U	1	0.0051	0.019	mg/Kg	10/30/25 12:40	VY103025
56-23-5	Carbon Tetrachloride	0.00075	U	1	0.00075	0.0039	mg/Kg	10/30/25 12:40	VY103025
156-59-2	cis-1,2-Dichloroethene	0.00058	U	1	0.00058	0.0039	mg/Kg	10/30/25 12:40	VY103025
74-97-5	Bromochloromethane	0.00089	U	1	0.00089	0.0039	mg/Kg	10/30/25 12:40	VY103025
67-66-3	Chloroform	0.00065	U	1	0.00065	0.0039	mg/Kg	10/30/25 12:40	VY103025
71-55-6	1,1,1-Trichloroethane	0.00072	U	1	0.00072	0.0039	mg/Kg	10/30/25 12:40	VY103025
108-87-2	Methylcyclohexane	0.00071	U	1	0.00071	0.0039	mg/Kg	10/30/25 12:40	VY103025
71-43-2	Benzene	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
107-06-2	1,2-Dichloroethane	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
79-01-6	Trichloroethene	0.00063	U	1	0.00063	0.0039	mg/Kg	10/30/25 12:40	VY103025
78-87-5	1,2-Dichloropropane	0.00071	U	1	0.00071	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-27-4	Bromodichloromethane	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
108-10-1	4-Methyl-2-Pentanone	0.0028	U	1	0.0028	0.019	mg/Kg	10/30/25 12:40	VY103025
108-88-3	Toluene	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
10061-02-6	t-1,3-Dichloropropene	0.00050	U	1	0.00050	0.0039	mg/Kg	10/30/25 12:40	VY103025
10061-01-5	cis-1,3-Dichloropropene	0.00048	U	1	0.00048	0.0039	mg/Kg	10/30/25 12:40	VY103025
79-00-5	1,1,2-Trichloroethane	0.00071	U	1	0.00071	0.0039	mg/Kg	10/30/25 12:40	VY103025
591-78-6	2-Hexanone	0.0029	U	1	0.0029	0.019	mg/Kg	10/30/25 12:40	VY103025
124-48-1	Dibromochloromethane	0.00068	U	1	0.00068	0.0039	mg/Kg	10/30/25 12:40	VY103025
106-93-4	1,2-Dibromoethane	0.00068	U	1	0.00068	0.0039	mg/Kg	10/30/25 12:40	VY103025
127-18-4	Tetrachloroethene	0.00082	U	1	0.00082	0.0039	mg/Kg	10/30/25 12:40	VY103025
108-90-7	Chlorobenzene	0.00071	U	1	0.00071	0.0039	mg/Kg	10/30/25 12:40	VY103025
100-41-4	Ethyl Benzene	0.00052	U	1	0.00052	0.0039	mg/Kg	10/30/25 12:40	VY103025
179601-23-1	m/p-Xylenes	0.00096	U	1	0.00096	0.0078	mg/Kg	10/30/25 12:40	VY103025
95-47-6	o-Xylene	0.00064	U	1	0.00064	0.0039	mg/Kg	10/30/25 12:40	VY103025
100-42-5	Styrene	0.00055	U	1	0.00055	0.0039	mg/Kg	10/30/25 12:40	VY103025
75-25-2	Bromoform	0.00067	U	1	0.00067	0.0039	mg/Kg	10/30/25 12:40	VY103025

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00061	U	1	0.00061	0.0039	mg/Kg	10/30/25 12:40	VY103025
79-34-5	1,1,2,2-Tetrachloroethane	0.00094	U	1	0.00094	0.0039	mg/Kg	10/30/25 12:40	VY103025
541-73-1	1,3-Dichlorobenzene	0.0013	U	1	0.0013	0.0039	mg/Kg	10/30/25 12:40	VY103025
106-46-7	1,4-Dichlorobenzene	0.0012	U	1	0.0012	0.0039	mg/Kg	10/30/25 12:40	VY103025
95-50-1	1,2-Dichlorobenzene	0.0011	U	1	0.0011	0.0039	mg/Kg	10/30/25 12:40	VY103025
96-12-8	1,2-Dibromo-3-Chloropropane	0.0014	U	1	0.0014	0.0039	mg/Kg	10/30/25 12:40	VY103025
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	1	0.0023	0.0039	mg/Kg	10/30/25 12:40	VY103025
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	1	0.0025	0.0039	mg/Kg	10/30/25 12:40	VY103025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.0			63 - 155	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.0			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	49.3			74 - 123	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.7			17 - 146	85%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	730000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1050000							
3855-82-1	1,4-Dichlorobenzene-d4	429000							

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