

Report of Analysis

Client: PSEG
Project: Camden Gas Plant
Client Sample ID: M-R-SOIL
Lab Sample ID: Q3345-05
Analytical Method: 8260D
Sample Wt/Vol: 5.29 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/14/25
Date Received: 10/14/25
SDG No.: Q3345
Matrix: SOIL
% Solid: 86.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0055	U	1	0.0012	0.0055	mg/Kg	10/14/25 16:50	VY101425
74-87-3	Chloromethane	0.0055	U	1	0.0012	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-01-4	Vinyl Chloride	0.0055	U	1	0.00086	0.0055	mg/Kg	10/14/25 16:50	VY101425
74-83-9	Bromomethane	0.0055	U	1	0.0012	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-00-3	Chloroethane	0.0055	U	1	0.0014	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-69-4	Trichlorofluoromethane	0.0055	U	1	0.0013	0.0055	mg/Kg	10/14/25 16:50	VY101425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0055	U	1	0.0012	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-35-4	1,1-Dichloroethene	0.0055	U	1	0.0011	0.0055	mg/Kg	10/14/25 16:50	VY101425
67-64-1	Acetone	0.032		1	0.0052	0.027	mg/Kg	10/14/25 16:50	VY101425
75-15-0	Carbon Disulfide	0.0014	J	1	0.0012	0.0055	mg/Kg	10/14/25 16:50	VY101425
1634-04-4	Methyl tert-butyl Ether	0.0055	U	1	0.00080	0.0055	mg/Kg	10/14/25 16:50	VY101425
79-20-9	Methyl Acetate	0.0055	U	1	0.0017	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-09-2	Methylene Chloride	0.011	J	1	0.0039	0.011	mg/Kg	10/14/25 16:50	VY101425
156-60-5	trans-1,2-Dichloroethene	0.0055	U	1	0.00094	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-34-3	1,1-Dichloroethane	0.0055	U	1	0.00087	0.0055	mg/Kg	10/14/25 16:50	VY101425
110-82-7	Cyclohexane	0.0055	U	1	0.00086	0.0055	mg/Kg	10/14/25 16:50	VY101425
78-93-3	2-Butanone	0.027	U	1	0.0071	0.027	mg/Kg	10/14/25 16:50	VY101425
56-23-5	Carbon Tetrachloride	0.0055	U	1	0.0011	0.0055	mg/Kg	10/14/25 16:50	VY101425
156-59-2	cis-1,2-Dichloroethene	0.0055	U	1	0.00082	0.0055	mg/Kg	10/14/25 16:50	VY101425
74-97-5	Bromochloromethane	0.0055	U	1	0.0013	0.0055	mg/Kg	10/14/25 16:50	VY101425
67-66-3	Chloroform	0.0055	U	1	0.00092	0.0055	mg/Kg	10/14/25 16:50	VY101425
71-55-6	1,1,1-Trichloroethane	0.0055	U	1	0.0010	0.0055	mg/Kg	10/14/25 16:50	VY101425
108-87-2	Methylcyclohexane	0.0019	J	1	0.00099	0.0055	mg/Kg	10/14/25 16:50	VY101425
71-43-2	Benzene	0.0023	J	1	0.00086	0.0055	mg/Kg	10/14/25 16:50	VY101425
107-06-2	1,2-Dichloroethane	0.0055	U	1	0.00086	0.0055	mg/Kg	10/14/25 16:50	VY101425
79-01-6	Trichloroethene	0.0055	U	1	0.00089	0.0055	mg/Kg	10/14/25 16:50	VY101425
78-87-5	1,2-Dichloropropane	0.0055	U	1	0.00099	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-27-4	Bromodichloromethane	0.0055	U	1	0.00085	0.0055	mg/Kg	10/14/25 16:50	VY101425
108-10-1	4-Methyl-2-Pentanone	0.027	U	1	0.0039	0.027	mg/Kg	10/14/25 16:50	VY101425
108-88-3	Toluene	0.0016	J	1	0.00085	0.0055	mg/Kg	10/14/25 16:50	VY101425
10061-02-6	t-1,3-Dichloropropene	0.0055	U	1	0.00071	0.0055	mg/Kg	10/14/25 16:50	VY101425
10061-01-5	cis-1,3-Dichloropropene	0.0055	U	1	0.00068	0.0055	mg/Kg	10/14/25 16:50	VY101425
79-00-5	1,1,2-Trichloroethane	0.0055	U	1	0.0010	0.0055	mg/Kg	10/14/25 16:50	VY101425
591-78-6	2-Hexanone	0.027	U	1	0.0040	0.027	mg/Kg	10/14/25 16:50	VY101425
124-48-1	Dibromochloromethane	0.0055	U	1	0.00095	0.0055	mg/Kg	10/14/25 16:50	VY101425
106-93-4	1,2-Dibromoethane	0.0055	U	1	0.00096	0.0055	mg/Kg	10/14/25 16:50	VY101425
127-18-4	Tetrachloroethene	0.0055	U	1	0.0011	0.0055	mg/Kg	10/14/25 16:50	VY101425
108-90-7	Chlorobenzene	0.0055	U	1	0.00099	0.0055	mg/Kg	10/14/25 16:50	VY101425
100-41-4	Ethyl Benzene	0.040		1	0.00073	0.0055	mg/Kg	10/14/25 16:50	VY101425
179601-23-1	m/p-Xylenes	0.021		1	0.0014	0.011	mg/Kg	10/14/25 16:50	VY101425
95-47-6	o-Xylene	0.035		1	0.00090	0.0055	mg/Kg	10/14/25 16:50	VY101425
100-42-5	Styrene	0.0055	U	1	0.00078	0.0055	mg/Kg	10/14/25 16:50	VY101425
75-25-2	Bromoform	0.0055	U	1	0.00094	0.0055	mg/Kg	10/14/25 16:50	VY101425

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SDG No.: Q3345
Matrix: SOIL
% Solid: 86.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.043		1	0.00085	0.0055	mg/Kg	10/14/25 16:50	VY101425
79-34-5	1,1,2,2-Tetrachloroethane	0.0055	U	1	0.0013	0.0055	mg/Kg	10/14/25 16:50	VY101425
541-73-1	1,3-Dichlorobenzene	0.0055	U	1	0.0019	0.0055	mg/Kg	10/14/25 16:50	VY101425
106-46-7	1,4-Dichlorobenzene	0.0055	U	1	0.0017	0.0055	mg/Kg	10/14/25 16:50	VY101425
95-50-1	1,2-Dichlorobenzene	0.0055	U	1	0.0016	0.0055	mg/Kg	10/14/25 16:50	VY101425
96-12-8	1,2-Dibromo-3-Chloropropane	0.0055	U	1	0.0020	0.0055	mg/Kg	10/14/25 16:50	VY101425
120-82-1	1,2,4-Trichlorobenzene	0.0055	U	1	0.0032	0.0055	mg/Kg	10/14/25 16:50	VY101425
87-61-6	1,2,3-Trichlorobenzene	0.0055	U	1	0.0035	0.0055	mg/Kg	10/14/25 16:50	VY101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	66.6			63 - 155	133%	SPK: 50		
1868-53-7	Dibromofluoromethane	56.9			70 - 134	114%	SPK: 50		
2037-26-5	Toluene-d8	54.3			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.6			17 - 146	123%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	437000							
540-36-3	1,4-Difluorobenzene	867000							
3114-55-4	Chlorobenzene-d5	926000							
3855-82-1	1,4-Dichlorobenzene-d4	376000							
TENTATIVE IDENTIFIED COMPOUNDS									
103-65-1	n-propylbenzene	26.1	J			12.6	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	24.1	J			12.7	ug/Kg		
000611-14-3	Benzene, 1-ethyl-2-methyl-	130	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	82.5	J			13.0	ug/Kg		
135-98-8	sec-Butylbenzene	3.30	J			13.2	ug/Kg		
99-87-6	p-Isopropyltoluene	5.10	J			13.3	ug/Kg		
104-51-8	n-Butylbenzene	8.20	J			13.6	ug/Kg		
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	93.6	J			13.9	ug/Kg		
000767-58-8	Indan, 1-methyl-	140	J			14.0	ug/Kg		
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	120	J			14.2	ug/Kg		
000874-35-1	H-Indene, 2,3-dihydro-5-methyl	220	J			14.5	ug/Kg		
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	150	J			14.6	ug/Kg		
015677-15-3	Cycloprop[a]indene, 1,1a,6,6a-tet	110	J			14.7	ug/Kg		
000612-17-91	4-Dihydronaphthalene	170	J			14.7	ug/Kg		

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