

Report of Analysis

Client: PSEG
Project: PSEG Clifton Gas District
Client Sample ID: 120325-A
Lab Sample ID: Q3804-02
Analytical Method: 8260D
Sample Wt/Vol: 4.52 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/05/25
Date Received: 12/05/25
SDG No.: Q3804
Matrix: SOIL
% Solid: 87.2
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0063	U	1	0.0014	0.0063	mg/Kg	12/08/25 15:32	VW120825
74-87-3	Chloromethane	0.0063	U	1	0.0014	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-01-4	Vinyl Chloride	0.0063	U	1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
74-83-9	Bromomethane	0.0063	U	1	0.0014	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-00-3	Chloroethane	0.0063	U	1	0.0016	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-69-4	Trichlorofluoromethane	0.0063	U	1	0.0015	0.0063	mg/Kg	12/08/25 15:32	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0063	U	1	0.0013	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-35-4	1,1-Dichloroethene	0.0063	U	1	0.0013	0.0063	mg/Kg	12/08/25 15:32	VW120825
67-64-1	Acetone	0.032	U	1	0.0060	0.032	mg/Kg	12/08/25 15:32	VW120825
75-15-0	Carbon Disulfide	0.0063	U	1	0.0013	0.0063	mg/Kg	12/08/25 15:32	VW120825
1634-04-4	Methyl tert-butyl Ether	0.0063	U	1	0.00093	0.0063	mg/Kg	12/08/25 15:32	VW120825
79-20-9	Methyl Acetate	0.0063	U	1	0.0020	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-09-2	Methylene Chloride	0.013	U	1	0.0045	0.013	mg/Kg	12/08/25 15:32	VW120825
156-60-5	trans-1,2-Dichloroethene	0.0063	U	1	0.0011	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-34-3	1,1-Dichloroethane	0.0063	U	1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
110-82-7	Cyclohexane	0.0063	U	1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
78-93-3	2-Butanone	0.032	U	1	0.0083	0.032	mg/Kg	12/08/25 15:32	VW120825
56-23-5	Carbon Tetrachloride	0.0063	U	1	0.0012	0.0063	mg/Kg	12/08/25 15:32	VW120825
156-59-2	cis-1,2-Dichloroethene	0.0063	U	1	0.00095	0.0063	mg/Kg	12/08/25 15:32	VW120825
74-97-5	Bromochloromethane	0.0063	U	1	0.0015	0.0063	mg/Kg	12/08/25 15:32	VW120825
67-66-3	Chloroform	0.0063	U	1	0.0011	0.0063	mg/Kg	12/08/25 15:32	VW120825
71-55-6	1,1,1-Trichloroethane	0.0063	U	1	0.0012	0.0063	mg/Kg	12/08/25 15:32	VW120825
108-87-2	Methylcyclohexane	0.020		1	0.0012	0.0063	mg/Kg	12/08/25 15:32	VW120825
71-43-2	Benzene	0.0021	J	1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
107-06-2	1,2-Dichloroethane	0.0063	U	1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
79-01-6	Trichloroethene	0.0063	U	1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
78-87-5	1,2-Dichloropropane	0.0063	U	1	0.0012	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-27-4	Bromodichloromethane	0.0063	U	1	0.00099	0.0063	mg/Kg	12/08/25 15:32	VW120825
108-10-1	4-Methyl-2-Pentanone	0.032	U	1	0.0045	0.032	mg/Kg	12/08/25 15:32	VW120825
108-88-3	Toluene	0.058		1	0.00099	0.0063	mg/Kg	12/08/25 15:32	VW120825
10061-02-6	t-1,3-Dichloropropene	0.0063	U	1	0.00082	0.0063	mg/Kg	12/08/25 15:32	VW120825
10061-01-5	cis-1,3-Dichloropropene	0.0063	U	1	0.00079	0.0063	mg/Kg	12/08/25 15:32	VW120825
79-00-5	1,1,2-Trichloroethane	0.0063	U	1	0.0012	0.0063	mg/Kg	12/08/25 15:32	VW120825
591-78-6	2-Hexanone	0.032	U	1	0.0047	0.032	mg/Kg	12/08/25 15:32	VW120825
124-48-1	Dibromochloromethane	0.0063	U	1	0.0011	0.0063	mg/Kg	12/08/25 15:32	VW120825
106-93-4	1,2-Dibromoethane	0.0063	U	1	0.0011	0.0063	mg/Kg	12/08/25 15:32	VW120825
127-18-4	Tetrachloroethene	0.0063	U	1	0.0013	0.0063	mg/Kg	12/08/25 15:32	VW120825
108-90-7	Chlorobenzene	0.0063	U	1	0.0012	0.0063	mg/Kg	12/08/25 15:32	VW120825
100-41-4	Ethyl Benzene	0.083		1	0.00085	0.0063	mg/Kg	12/08/25 15:32	VW120825
179601-23-1	m/p-Xylenes	0.26		1	0.0016	0.013	mg/Kg	12/08/25 15:32	VW120825
95-47-6	o-Xylene	0.15		1	0.0010	0.0063	mg/Kg	12/08/25 15:32	VW120825
100-42-5	Styrene	0.0063	U	1	0.00090	0.0063	mg/Kg	12/08/25 15:32	VW120825
75-25-2	Bromoform	0.0063	U	1	0.0011	0.0063	mg/Kg	12/08/25 15:32	VW120825

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% Solid: 87.2
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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.052		1	0.00099	0.0063	mg/Kg	12/08/25 15:32	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	0.0063	U	1	0.0015	0.0063	mg/Kg	12/08/25 15:32	VW120825
541-73-1	1,3-Dichlorobenzene	0.0063	U	1	0.0022	0.0063	mg/Kg	12/08/25 15:32	VW120825
106-46-7	1,4-Dichlorobenzene	0.0063	U	1	0.0020	0.0063	mg/Kg	12/08/25 15:32	VW120825
95-50-1	1,2-Dichlorobenzene	0.0063	U	1	0.0018	0.0063	mg/Kg	12/08/25 15:32	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	0.0063	U	1	0.0023	0.0063	mg/Kg	12/08/25 15:32	VW120825
120-82-1	1,2,4-Trichlorobenzene	0.0063	U	1	0.0038	0.0063	mg/Kg	12/08/25 15:32	VW120825
87-61-6	1,2,3-Trichlorobenzene	0.0063	U	1	0.0040	0.0063	mg/Kg	12/08/25 15:32	VW120825

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	42.7			63 - 155	85%	SPK: 50
1868-53-7	Dibromofluoromethane	35.3			70 - 134	71%	SPK: 50
2037-26-5	Toluene-d8	31.3	*		74 - 123	63%	SPK: 50
460-00-4	4-Bromofluorobenzene	22.3	*		52 - 138	45%	SPK: 50

INTERNAL STANDARDS

	Area Count
363-72-4 Pentafluorobenzene	426000
540-36-3 1,4-Difluorobenzene	898000
3114-55-4 Chlorobenzene-d5	625000
3855-82-1 1,4-Dichlorobenzene-d4	163000

TENTATIVE IDENTIFIED COMPOUNDS

103-65-1	n-propylbenzene	120	J		12.8	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	530	J		12.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	180	J		12.9	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	330	J		13.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	630	J		13.2	ug/Kg
135-98-8	sec-Butylbenzene	51.2	J		13.4	ug/Kg
99-87-6	p-Isopropyltoluene	36.6	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	54.3	J		13.8	ug/Kg
000112-40-3	Dodecane	400	J		14.7	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	780	J		14.8	ug/Kg
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	320	J		15.0	ug/Kg
91-20-3	Naphthalene	63.6	J		15.4	ug/Kg
000629-50-5	Tridecane	390	J		15.5	ug/Kg
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	300	J		15.9	ug/Kg
000629-59-4	Tetradecane	270	J		16.5	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