

Report of Analysis

Client:	PSEG	Date Collected:	07/21/25
Project:	Clifton Gas	Date Received:	07/21/25
Client Sample ID:	SOIL	SDG No.:	Q2655
Lab Sample ID:	Q2655-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	72.2
Sample Wt/Vol:	4.65	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031905.D	1	07/23/25 12:14	VW072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0074	U	0.0017	0.0074	mg/Kg
74-87-3	Chloromethane	0.0074	U	0.0017	0.0074	mg/Kg
75-01-4	Vinyl Chloride	0.0074	U	0.0012	0.0074	mg/Kg
74-83-9	Bromomethane	0.0074	U	0.0016	0.0074	mg/Kg
75-00-3	Chloroethane	0.0074	U	0.0019	0.0074	mg/Kg
75-69-4	Trichlorofluoromethane	0.0074	U	0.0018	0.0074	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0074	U	0.0016	0.0074	mg/Kg
75-35-4	1,1-Dichloroethene	0.0074	U	0.0015	0.0074	mg/Kg
67-64-1	Acetone	0.94		0.0071	0.037	mg/Kg
75-15-0	Carbon Disulfide	0.0025	J	0.0016	0.0074	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0074	U	0.0011	0.0074	mg/Kg
79-20-9	Methyl Acetate	0.048		0.0023	0.0074	mg/Kg
75-09-2	Methylene Chloride	0.015	U	0.0053	0.015	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0074	U	0.0013	0.0074	mg/Kg
75-34-3	1,1-Dichloroethane	0.0074	U	0.0012	0.0074	mg/Kg
110-82-7	Cyclohexane	0.43	E	0.0012	0.0074	mg/Kg
78-93-3	2-Butanone	0.28		0.0097	0.037	mg/Kg
56-23-5	Carbon Tetrachloride	0.0074	U	0.0014	0.0074	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0074	U	0.0011	0.0074	mg/Kg
74-97-5	Bromochloromethane	0.0074	U	0.0017	0.0074	mg/Kg
67-66-3	Chloroform	0.0074	U	0.0013	0.0074	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0074	U	0.0014	0.0074	mg/Kg
108-87-2	Methylcyclohexane	0.77	E	0.0014	0.0074	mg/Kg
71-43-2	Benzene	2.90	E	0.0012	0.0074	mg/Kg
107-06-2	1,2-Dichloroethane	0.0074	U	0.0012	0.0074	mg/Kg
79-01-6	Trichloroethene	0.0074	U	0.0012	0.0074	mg/Kg
78-87-5	1,2-Dichloropropane	0.0074	U	0.0014	0.0074	mg/Kg
75-27-4	Bromodichloromethane	0.0074	U	0.0012	0.0074	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.037	U	0.0053	0.037	mg/Kg
108-88-3	Toluene	2.90	E	0.0012	0.0074	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	0.0074	U	0.00097	0.0074	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0074	U	0.00092	0.0074	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0074	U	0.0014	0.0074	mg/Kg
591-78-6	2-Hexanone	0.037	U	0.0055	0.037	mg/Kg
124-48-1	Dibromochloromethane	0.0074	U	0.0013	0.0074	mg/Kg
106-93-4	1,2-Dibromoethane	0.0074	U	0.0013	0.0074	mg/Kg
127-18-4	Tetrachloroethene	0.0074	U	0.0016	0.0074	mg/Kg
108-90-7	Chlorobenzene	0.0074	U	0.0014	0.0074	mg/Kg
100-41-4	Ethyl Benzene	0.48	E	0.0010	0.0074	mg/Kg
179601-23-1	m/p-Xylenes	2.30	E	0.0018	0.015	mg/Kg
95-47-6	o-Xylene	1.10	E	0.0012	0.0074	mg/Kg
100-42-5	Styrene	0.0074	U	0.0011	0.0074	mg/Kg
75-25-2	Bromoform	0.0074	U	0.0013	0.0074	mg/Kg
98-82-8	Isopropylbenzene	0.070		0.0012	0.0074	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0074	U	0.0018	0.0074	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0074	U	0.0025	0.0074	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0074	U	0.0023	0.0074	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0074	U	0.0022	0.0074	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0074	U	0.0027	0.0074	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0074	U	0.0044	0.0074	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0074	U	0.0047	0.0074	mg/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	42.6	63 - 155	85%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5	70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	56.0	74 - 123	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.4	17 - 146	77%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	181000	7.965
540-36-3	1,4-Difluorobenzene	326000	8.855
3114-55-4	Chlorobenzene-d5	276000	11.629
3855-82-1	1,4-Dichlorobenzene-d4	99900	13.556

TENTATIVE IDENTIFIED COMPOUNDS

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000142-82-5	Heptane	480	J		8.70	ug/Kg
000111-65-9	Octane	620	J		10.5	ug/Kg
103-65-1	n-propylbenzene	120	J		12.8	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	540	J		12.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	430	J		12.9	ug/Kg
98-06-6	tert-Butylbenzene	11.9	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	930	J		13.2	ug/Kg
135-98-8	sec-Butylbenzene	25.8	J		13.4	ug/Kg
99-87-6	p-Isopropyltoluene	44.5	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	35.6	J		13.8	ug/Kg
000095-13-6	Indene	480	J		13.9	ug/Kg
000112-40-3	Dodecane	1100	J		14.7	ug/Kg
000527-84-4	o-Cymene	370	J		14.8	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	350	J		14.8	ug/Kg
91-20-3	Naphthalene	6000	J		15.4	ug/Kg
000629-50-5	Tridecane	1400	J		15.5	ug/Kg
000091-57-6	Naphthalene, 2-methyl-	3300	J		16.4	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	2600	J		16.6	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