

Report of Analysis

Client: PSEG
Project: Summit Gas and Appliance Service (SU)
Client Sample ID: SU-04-11-26-2025
Lab Sample ID: Q3733-01
Analytical Method: 8260D
Sample Wt/Vol: 6.29 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/26/25
Date Received: 11/26/25
SDG No.: Q3733
Matrix: SOIL
% Solid: 91.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.00099	U	1	0.00099	0.0043	mg/Kg	11/26/25 19:45	VW112625
74-87-3	Chloromethane	0.00099	U	1	0.00099	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-01-4	Vinyl Chloride	0.00069	U	1	0.00069	0.0043	mg/Kg	11/26/25 19:45	VW112625
74-83-9	Bromomethane	0.00093	U	1	0.00093	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-00-3	Chloroethane	0.0011	U	1	0.0011	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-69-4	Trichlorofluoromethane	0.0011	U	1	0.0011	0.0043	mg/Kg	11/26/25 19:45	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00092	U	1	0.00092	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-35-4	1,1-Dichloroethene	0.00087	U	1	0.00087	0.0043	mg/Kg	11/26/25 19:45	VW112625
67-64-1	Acetone	0.035		1	0.0041	0.022	mg/Kg	11/26/25 19:45	VW112625
75-15-0	Carbon Disulfide	0.00092	U	1	0.00092	0.0043	mg/Kg	11/26/25 19:45	VW112625
1634-04-4	Methyl tert-butyl Ether	0.00063	U	1	0.00063	0.0043	mg/Kg	11/26/25 19:45	VW112625
79-20-9	Methyl Acetate	0.0013	U	1	0.0013	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-09-2	Methylene Chloride	0.0065	J	1	0.0031	0.0087	mg/Kg	11/26/25 19:45	VW112625
156-60-5	trans-1,2-Dichloroethene	0.00075	U	1	0.00075	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-34-3	1,1-Dichloroethane	0.00070	U	1	0.00070	0.0043	mg/Kg	11/26/25 19:45	VW112625
110-82-7	Cyclohexane	0.00069	U	1	0.00069	0.0043	mg/Kg	11/26/25 19:45	VW112625
78-93-3	2-Butanone	0.0057	U	1	0.0057	0.022	mg/Kg	11/26/25 19:45	VW112625
56-23-5	Carbon Tetrachloride	0.00084	U	1	0.00084	0.0043	mg/Kg	11/26/25 19:45	VW112625
156-59-2	cis-1,2-Dichloroethene	0.00065	U	1	0.00065	0.0043	mg/Kg	11/26/25 19:45	VW112625
74-97-5	Bromochloromethane	0.0010	U	1	0.0010	0.0043	mg/Kg	11/26/25 19:45	VW112625
67-66-3	Chloroform	0.00073	U	1	0.00073	0.0043	mg/Kg	11/26/25 19:45	VW112625
71-55-6	1,1,1-Trichloroethane	0.00081	U	1	0.00081	0.0043	mg/Kg	11/26/25 19:45	VW112625
108-87-2	Methylcyclohexane	0.00079	U	1	0.00079	0.0043	mg/Kg	11/26/25 19:45	VW112625
71-43-2	Benzene	0.00069	U	1	0.00069	0.0043	mg/Kg	11/26/25 19:45	VW112625
107-06-2	1,2-Dichloroethane	0.00069	U	1	0.00069	0.0043	mg/Kg	11/26/25 19:45	VW112625
79-01-6	Trichloroethene	0.00070	U	1	0.00070	0.0043	mg/Kg	11/26/25 19:45	VW112625
78-87-5	1,2-Dichloropropane	0.00079	U	1	0.00079	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-27-4	Bromodichloromethane	0.00068	U	1	0.00068	0.0043	mg/Kg	11/26/25 19:45	VW112625
108-10-1	4-Methyl-2-Pentanone	0.0031	U	1	0.0031	0.022	mg/Kg	11/26/25 19:45	VW112625
108-88-3	Toluene	0.0084		1	0.00068	0.0043	mg/Kg	11/26/25 19:45	VW112625
10061-02-6	t-1,3-Dichloropropene	0.00056	U	1	0.00056	0.0043	mg/Kg	11/26/25 19:45	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.00054	U	1	0.00054	0.0043	mg/Kg	11/26/25 19:45	VW112625
79-00-5	1,1,2-Trichloroethane	0.00080	U	1	0.00080	0.0043	mg/Kg	11/26/25 19:45	VW112625
591-78-6	2-Hexanone	0.0032	U	1	0.0032	0.022	mg/Kg	11/26/25 19:45	VW112625
124-48-1	Dibromochloromethane	0.00076	U	1	0.00076	0.0043	mg/Kg	11/26/25 19:45	VW112625
106-93-4	1,2-Dibromoethane	0.00076	U	1	0.00076	0.0043	mg/Kg	11/26/25 19:45	VW112625
127-18-4	Tetrachloroethene	0.00091	U	1	0.00091	0.0043	mg/Kg	11/26/25 19:45	VW112625
108-90-7	Chlorobenzene	0.00079	U	1	0.00079	0.0043	mg/Kg	11/26/25 19:45	VW112625
100-41-4	Ethyl Benzene	0.00058	U	1	0.00058	0.0043	mg/Kg	11/26/25 19:45	VW112625
179601-23-1	m/p-Xylenes	0.0014	J	1	0.0011	0.0087	mg/Kg	11/26/25 19:45	VW112625
95-47-6	o-Xylene	0.0011	J	1	0.00071	0.0043	mg/Kg	11/26/25 19:45	VW112625
100-42-5	Styrene	0.00062	U	1	0.00062	0.0043	mg/Kg	11/26/25 19:45	VW112625
75-25-2	Bromoform	0.00075	U	1	0.00075	0.0043	mg/Kg	11/26/25 19:45	VW112625

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00068	U	1	0.00068	0.0043	mg/Kg	11/26/25 19:45	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	1	0.0011	0.0043	mg/Kg	11/26/25 19:45	VW112625
541-73-1	1,3-Dichlorobenzene	0.0015	U	1	0.0015	0.0043	mg/Kg	11/26/25 19:45	VW112625
106-46-7	1,4-Dichlorobenzene	0.0014	U	1	0.0014	0.0043	mg/Kg	11/26/25 19:45	VW112625
95-50-1	1,2-Dichlorobenzene	0.0013	U	1	0.0013	0.0043	mg/Kg	11/26/25 19:45	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	1	0.0016	0.0043	mg/Kg	11/26/25 19:45	VW112625
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	1	0.0026	0.0043	mg/Kg	11/26/25 19:45	VW112625
87-61-6	1,2,3-Trichlorobenzene	0.0028	U	1	0.0028	0.0043	mg/Kg	11/26/25 19:45	VW112625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	66.0		63 - 155	132%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	44.5		74 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		52 - 138	111%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	196000
540-36-3	1,4-Difluorobenzene	471000
3114-55-4	Chlorobenzene-d5	509000
3855-82-1	1,4-Dichlorobenzene-d4	219000

TENTATIVE IDENTIFIED COMPOUNDS

000110-54-3	n-Hexane	23.9	J	5.97	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.40	J	12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.60	J	13.2	ug/Kg
000824-90-8	1-Phenyl-1-butene	11.4	J	14.8	ug/Kg
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	5.50	J	15.0	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl	4.90	J	15.2	ug/Kg
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	5.30	J	16.2	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