

Report of Analysis

Client: PSEG
Project: Orange Gas and Appliance Service (EO)
Client Sample ID: EO-01-11182025
Lab Sample ID: Q3669-01
Analytical Method: 8260D
Sample Wt/Vol: 4.59 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/18/25
Date Received: 11/18/25
SDG No.: Q3669
Matrix: SOIL
% Solid: 92.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0013	U	1	0.0013	0.0059	mg/Kg	11/19/25 13:58	VW111925
74-87-3	Chloromethane	0.0013	U	1	0.0013	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-01-4	Vinyl Chloride	0.00093	U	1	0.00093	0.0059	mg/Kg	11/19/25 13:58	VW111925
74-83-9	Bromomethane	0.0013	U	1	0.0013	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-00-3	Chloroethane	0.0015	U	1	0.0015	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-69-4	Trichlorofluoromethane	0.0014	U	1	0.0014	0.0059	mg/Kg	11/19/25 13:58	VW111925
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0012	U	1	0.0012	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-35-4	1,1-Dichloroethene	0.0012	U	1	0.0012	0.0059	mg/Kg	11/19/25 13:58	VW111925
67-64-1	Acetone	0.023	J	1	0.0056	0.029	mg/Kg	11/19/25 13:58	VW111925
75-15-0	Carbon Disulfide	0.0012	U	1	0.0012	0.0059	mg/Kg	11/19/25 13:58	VW111925
1634-04-4	Methyl tert-butyl Ether	0.00086	U	1	0.00086	0.0059	mg/Kg	11/19/25 13:58	VW111925
79-20-9	Methyl Acetate	0.0018	U	1	0.0018	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-09-2	Methylene Chloride	0.013		1	0.0041	0.012	mg/Kg	11/19/25 13:58	VW111925
156-60-5	trans-1,2-Dichloroethene	0.0010	U	1	0.0010	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-34-3	1,1-Dichloroethane	0.00094	U	1	0.00094	0.0059	mg/Kg	11/19/25 13:58	VW111925
110-82-7	Cyclohexane	0.00093	U	1	0.00093	0.0059	mg/Kg	11/19/25 13:58	VW111925
78-93-3	2-Butanone	0.0077	U	1	0.0077	0.029	mg/Kg	11/19/25 13:58	VW111925
56-23-5	Carbon Tetrachloride	0.0011	U	1	0.0011	0.0059	mg/Kg	11/19/25 13:58	VW111925
156-59-2	cis-1,2-Dichloroethene	0.00088	U	1	0.00088	0.0059	mg/Kg	11/19/25 13:58	VW111925
74-97-5	Bromochloromethane	0.0013	U	1	0.0013	0.0059	mg/Kg	11/19/25 13:58	VW111925
67-66-3	Chloroform	0.00098	U	1	0.00098	0.0059	mg/Kg	11/19/25 13:58	VW111925
71-55-6	1,1,1-Trichloroethane	0.0011	U	1	0.0011	0.0059	mg/Kg	11/19/25 13:58	VW111925
108-87-2	Methylcyclohexane	0.0011	U	1	0.0011	0.0059	mg/Kg	11/19/25 13:58	VW111925
71-43-2	Benzene	0.00093	U	1	0.00093	0.0059	mg/Kg	11/19/25 13:58	VW111925
107-06-2	1,2-Dichloroethane	0.00093	U	1	0.00093	0.0059	mg/Kg	11/19/25 13:58	VW111925
79-01-6	Trichloroethene	0.00095	U	1	0.00095	0.0059	mg/Kg	11/19/25 13:58	VW111925
78-87-5	1,2-Dichloropropane	0.0011	U	1	0.0011	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-27-4	Bromodichloromethane	0.00091	U	1	0.00091	0.0059	mg/Kg	11/19/25 13:58	VW111925
108-10-1	4-Methyl-2-Pentanone	0.0042	U	1	0.0042	0.029	mg/Kg	11/19/25 13:58	VW111925
108-88-3	Toluene	0.00091	U	1	0.00091	0.0059	mg/Kg	11/19/25 13:58	VW111925
10061-02-6	t-1,3-Dichloropropene	0.00076	U	1	0.00076	0.0059	mg/Kg	11/19/25 13:58	VW111925
10061-01-5	cis-1,3-Dichloropropene	0.00073	U	1	0.00073	0.0059	mg/Kg	11/19/25 13:58	VW111925
79-00-5	1,1,2-Trichloroethane	0.0011	U	1	0.0011	0.0059	mg/Kg	11/19/25 13:58	VW111925
591-78-6	2-Hexanone	0.0043	U	1	0.0043	0.029	mg/Kg	11/19/25 13:58	VW111925
124-48-1	Dibromochloromethane	0.0010	U	1	0.0010	0.0059	mg/Kg	11/19/25 13:58	VW111925
106-93-4	1,2-Dibromoethane	0.0010	U	1	0.0010	0.0059	mg/Kg	11/19/25 13:58	VW111925
127-18-4	Tetrachloroethene	0.0012	U	1	0.0012	0.0059	mg/Kg	11/19/25 13:58	VW111925
108-90-7	Chlorobenzene	0.0011	U	1	0.0011	0.0059	mg/Kg	11/19/25 13:58	VW111925
100-41-4	Ethyl Benzene	0.00079	U	1	0.00079	0.0059	mg/Kg	11/19/25 13:58	VW111925
179601-23-1	m/p-Xylenes	0.0015	U	1	0.0015	0.012	mg/Kg	11/19/25 13:58	VW111925
95-47-6	o-Xylene	0.0031	J	1	0.00096	0.0059	mg/Kg	11/19/25 13:58	VW111925
100-42-5	Styrene	0.00083	U	1	0.00083	0.0059	mg/Kg	11/19/25 13:58	VW111925
75-25-2	Bromoform	0.0010	U	1	0.0010	0.0059	mg/Kg	11/19/25 13:58	VW111925

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00091	U	1	0.00091	0.0059	mg/Kg	11/19/25 13:58	VW111925
79-34-5	1,1,2,2-Tetrachloroethane	0.0014	U	1	0.0014	0.0059	mg/Kg	11/19/25 13:58	VW111925
541-73-1	1,3-Dichlorobenzene	0.0020	U	1	0.0020	0.0059	mg/Kg	11/19/25 13:58	VW111925
106-46-7	1,4-Dichlorobenzene	0.0018	U	1	0.0018	0.0059	mg/Kg	11/19/25 13:58	VW111925
95-50-1	1,2-Dichlorobenzene	0.0017	U	1	0.0017	0.0059	mg/Kg	11/19/25 13:58	VW111925
96-12-8	1,2-Dibromo-3-Chloropropane	0.0022	U	1	0.0022	0.0059	mg/Kg	11/19/25 13:58	VW111925
120-82-1	1,2,4-Trichlorobenzene	0.0035	U	1	0.0035	0.0059	mg/Kg	11/19/25 13:58	VW111925
87-61-6	1,2,3-Trichlorobenzene	0.0037	U	1	0.0037	0.0059	mg/Kg	11/19/25 13:58	VW111925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.9			63 - 155	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.3			70 - 134	93%	SPK: 50		
2037-26-5	Toluene-d8	41.5			74 - 123	83%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.6			52 - 138	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	210000							
540-36-3	1,4-Difluorobenzene	518000							
3114-55-4	Chlorobenzene-d5	541000							
3855-82-1	1,4-Dichlorobenzene-d4	258000							
TENTATIVE IDENTIFIED COMPOUNDS									
108-67-8	1,3,5-Trimethylbenzene	13.2	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	3.60	J			13.2	ug/Kg		
135-98-8	sec-Butylbenzene	2.00	J			13.4	ug/Kg		
99-87-6	p-Isopropyltoluene	3.10	J			13.5	ug/Kg		
104-51-8	n-Butylbenzene	1.70	J			13.8	ug/Kg		
000527-84-4	o-Cymene	25.0	J			14.1	ug/Kg		
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	24.1	J			14.5	ug/Kg		
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	69.0	J			14.8	ug/Kg		
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	25.1	J			15.0	ug/Kg		
013065-07-1	Naphthalene, 1,2,3,4-tetrahydro-2,	19.5	J			16.4	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