

Report of Analysis

Client: PSEG
Project: Oradell Gas and Appliance Service (OR)
Client Sample ID: OR-02-111425
Lab Sample ID: Q3648-01
Analytical Method: 8260D
Sample Wt/Vol: 5.69 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/14/25
Date Received: 11/14/25
SDG No.: Q3648
Matrix: SOIL
% Solid: 90.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0011	U	1	0.0011	0.0049	mg/Kg	11/17/25 16:45	VW111725
74-87-3	Chloromethane	0.0011	U	1	0.0011	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-01-4	Vinyl Chloride	0.00077	U	1	0.00077	0.0049	mg/Kg	11/17/25 16:45	VW111725
74-83-9	Bromomethane	0.0010	U	1	0.0010	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-00-3	Chloroethane	0.0012	U	1	0.0012	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-69-4	Trichlorofluoromethane	0.0012	U	1	0.0012	0.0049	mg/Kg	11/17/25 16:45	VW111725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0010	U	1	0.0010	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-35-4	1,1-Dichloroethene	0.00097	U	1	0.00097	0.0049	mg/Kg	11/17/25 16:45	VW111725
67-64-1	Acetone	0.012	J	1	0.0046	0.024	mg/Kg	11/17/25 16:45	VW111725
75-15-0	Carbon Disulfide	0.0010	U	1	0.0010	0.0049	mg/Kg	11/17/25 16:45	VW111725
1634-04-4	Methyl tert-butyl Ether	0.00071	U	1	0.00071	0.0049	mg/Kg	11/17/25 16:45	VW111725
79-20-9	Methyl Acetate	0.0034	J	1	0.0015	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-09-2	Methylene Chloride	0.0038	J	1	0.0034	0.0097	mg/Kg	11/17/25 16:45	VW111725
156-60-5	trans-1,2-Dichloroethene	0.00084	U	1	0.00084	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-34-3	1,1-Dichloroethane	0.00078	U	1	0.00078	0.0049	mg/Kg	11/17/25 16:45	VW111725
110-82-7	Cyclohexane	0.00077	U	1	0.00077	0.0049	mg/Kg	11/17/25 16:45	VW111725
78-93-3	2-Butanone	0.0064	U	1	0.0064	0.024	mg/Kg	11/17/25 16:45	VW111725
56-23-5	Carbon Tetrachloride	0.00094	U	1	0.00094	0.0049	mg/Kg	11/17/25 16:45	VW111725
156-59-2	cis-1,2-Dichloroethene	0.00073	U	1	0.00073	0.0049	mg/Kg	11/17/25 16:45	VW111725
74-97-5	Bromochloromethane	0.0011	U	1	0.0011	0.0049	mg/Kg	11/17/25 16:45	VW111725
67-66-3	Chloroform	0.00082	U	1	0.00082	0.0049	mg/Kg	11/17/25 16:45	VW111725
71-55-6	1,1,1-Trichloroethane	0.00090	U	1	0.00090	0.0049	mg/Kg	11/17/25 16:45	VW111725
108-87-2	Methylcyclohexane	0.00088	U	1	0.00088	0.0049	mg/Kg	11/17/25 16:45	VW111725
71-43-2	Benzene	0.0014	J	1	0.00077	0.0049	mg/Kg	11/17/25 16:45	VW111725
107-06-2	1,2-Dichloroethane	0.00077	U	1	0.00077	0.0049	mg/Kg	11/17/25 16:45	VW111725
79-01-6	Trichloroethene	0.00079	U	1	0.00079	0.0049	mg/Kg	11/17/25 16:45	VW111725
78-87-5	1,2-Dichloropropane	0.00088	U	1	0.00088	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-27-4	Bromodichloromethane	0.00076	U	1	0.00076	0.0049	mg/Kg	11/17/25 16:45	VW111725
108-10-1	4-Methyl-2-Pentanone	0.0035	U	1	0.0035	0.024	mg/Kg	11/17/25 16:45	VW111725
108-88-3	Toluene	0.0017	J	1	0.00076	0.0049	mg/Kg	11/17/25 16:45	VW111725
10061-02-6	t-1,3-Dichloropropene	0.00063	U	1	0.00063	0.0049	mg/Kg	11/17/25 16:45	VW111725
10061-01-5	cis-1,3-Dichloropropene	0.00060	U	1	0.00060	0.0049	mg/Kg	11/17/25 16:45	VW111725
79-00-5	1,1,2-Trichloroethane	0.00089	U	1	0.00089	0.0049	mg/Kg	11/17/25 16:45	VW111725
591-78-6	2-Hexanone	0.0036	U	1	0.0036	0.024	mg/Kg	11/17/25 16:45	VW111725
124-48-1	Dibromochloromethane	0.00084	U	1	0.00084	0.0049	mg/Kg	11/17/25 16:45	VW111725
106-93-4	1,2-Dibromoethane	0.00085	U	1	0.00085	0.0049	mg/Kg	11/17/25 16:45	VW111725
127-18-4	Tetrachloroethene	0.0010	U	1	0.0010	0.0049	mg/Kg	11/17/25 16:45	VW111725
108-90-7	Chlorobenzene	0.00088	U	1	0.00088	0.0049	mg/Kg	11/17/25 16:45	VW111725
100-41-4	Ethyl Benzene	0.00065	U	1	0.00065	0.0049	mg/Kg	11/17/25 16:45	VW111725
179601-23-1	m/p-Xylenes	0.0019	J	1	0.0012	0.0097	mg/Kg	11/17/25 16:45	VW111725
95-47-6	o-Xylene	0.0028	J	1	0.00080	0.0049	mg/Kg	11/17/25 16:45	VW111725
100-42-5	Styrene	0.00069	U	1	0.00069	0.0049	mg/Kg	11/17/25 16:45	VW111725
75-25-2	Bromoform	0.00084	U	1	0.00084	0.0049	mg/Kg	11/17/25 16:45	VW111725

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00076	U	1	0.00076	0.0049	mg/Kg	11/17/25 16:45	VW111725
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	1	0.0012	0.0049	mg/Kg	11/17/25 16:45	VW111725
541-73-1	1,3-Dichlorobenzene	0.0017	U	1	0.0017	0.0049	mg/Kg	11/17/25 16:45	VW111725
106-46-7	1,4-Dichlorobenzene	0.0015	U	1	0.0015	0.0049	mg/Kg	11/17/25 16:45	VW111725
95-50-1	1,2-Dichlorobenzene	0.0014	U	1	0.0014	0.0049	mg/Kg	11/17/25 16:45	VW111725
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	1	0.0018	0.0049	mg/Kg	11/17/25 16:45	VW111725
120-82-1	1,2,4-Trichlorobenzene	0.0029	U	1	0.0029	0.0049	mg/Kg	11/17/25 16:45	VW111725
87-61-6	1,2,3-Trichlorobenzene	0.0031	U	1	0.0031	0.0049	mg/Kg	11/17/25 16:45	VW111725

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	63.5		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	48.0		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		52 - 138	106%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	208000
540-36-3	1,4-Difluorobenzene	517000
3114-55-4	Chlorobenzene-d5	579000
3855-82-1	1,4-Dichlorobenzene-d4	279000

TENTATIVE IDENTIFIED COMPOUNDS

103-65-1	n-propylbenzene	1.90	J	12.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	8.30	J	12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	18.8	J	13.2	ug/Kg
135-98-8	sec-Butylbenzene	1.70	J	13.4	ug/Kg
104-51-8	n-Butylbenzene	2.80	J	13.8	ug/Kg
000112-40-3	Dodecane	32.2	J	14.7	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	35.2	J	14.8	ug/Kg
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	17.9	J	15.0	ug/Kg
000629-50-5	Tridecane	33.3	J	15.5	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	14.7	J	15.6	ug/Kg
000629-59-4	Tetradecane	25.0	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