

Report of Analysis

Client:	PSEG	Date Collected:	05/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/22/25
Client Sample ID:	EO-03-05222025	SDG No.:	Q2112
Lab Sample ID:	Q2112-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.6
Sample Wt/Vol:	5.72 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022401.D	1		05/22/25 17:16	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0010	U	0.0010	0.0046	mg/Kg
74-87-3	Chloromethane	0.0010	U	0.0010	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.00072	U	0.00072	0.0046	mg/Kg
74-83-9	Bromomethane	0.00098	U	0.00098	0.0046	mg/Kg
75-00-3	Chloroethane	0.0012	U	0.0012	0.0046	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00097	U	0.00097	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.00091	U	0.00091	0.0046	mg/Kg
67-64-1	Acetone	0.0043	U	0.0043	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.00097	U	0.00097	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00067	U	0.00067	0.0046	mg/Kg
79-20-9	Methyl Acetate	0.0014	U	0.0014	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0032	U	0.0032	0.0091	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00079	U	0.00079	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.00073	U	0.00073	0.0046	mg/Kg
110-82-7	Cyclohexane	0.00072	U	0.00072	0.0046	mg/Kg
78-93-3	2-Butanone	0.0060	U	0.0060	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.00089	U	0.00089	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00069	U	0.00069	0.0046	mg/Kg
74-97-5	Bromochloromethane	0.0011	U	0.0011	0.0046	mg/Kg
67-66-3	Chloroform	0.00077	U	0.00077	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00085	U	0.00085	0.0046	mg/Kg
108-87-2	Methylcyclohexane	0.00083	U	0.00083	0.0046	mg/Kg
71-43-2	Benzene	0.00072	U	0.00072	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.00072	U	0.00072	0.0046	mg/Kg
79-01-6	Trichloroethene	0.00074	U	0.00074	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.00083	U	0.00083	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.00071	U	0.00071	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0033	U	0.0033	0.023	mg/Kg
108-88-3	Toluene	0.00071	U	0.00071	0.0046	mg/Kg

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		Level :	LOW

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10061-02-6	t-1,3-Dichloropropene	0.00059	U	0.00059	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00057	U	0.00057	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00084	U	0.00084	0.0046	mg/Kg
591-78-6	2-Hexanone	0.0034	U	0.0034	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.00080	U	0.00080	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.00080	U	0.00080	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.00096	U	0.00096	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.00083	U	0.00083	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.00061	U	0.00061	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0011	U	0.0011	0.0091	mg/Kg
95-47-6	o-Xylene	0.0011	J	0.00075	0.0046	mg/Kg
100-42-5	Styrene	0.00065	U	0.00065	0.0046	mg/Kg
75-25-2	Bromoform	0.00079	U	0.00079	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.00071	U	0.00071	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0016	U	0.0016	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0014	U	0.0014	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0013	U	0.0013	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0027	U	0.0027	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0029	U	0.0029	0.0046	mg/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	39.3	63 - 155	79%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5	70 - 134	91%	SPK: 50
2037-26-5	Toluene-d8	45.8	74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.5	38 - 136	61%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	31900	7.72
540-36-3	1,4-Difluorobenzene	49500	8.622
3114-55-4	Chlorobenzene-d5	33700	11.426
3855-82-1	1,4-Dichlorobenzene-d4	10700	13.353

TENTATIVE IDENTIFIED COMPOUNDS

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023663-23-2	unknown2.092	6.70	J		2.09	ug/Kg
000111-65-9	Octane	5.60	J		11.6	ug/Kg
017301-94-9	Nonane, 4-methyl-	7.30	J		12.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.80	J		12.7	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	8.20	J		12.9	ug/Kg
004110-44-5	Octane, 3,3-dimethyl-	10.6	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	1.20	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	1.40	J		13.3	ug/Kg
000141-93-5	Benzene, 1,3-diethyl-	7.50	J		13.6	ug/Kg
001120-21-4	unknown13.682	16.7	J		13.7	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	7.90	J		13.9	ug/Kg
001595-16-0	unknown14.005	9.00	J		14.0	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	14.7	J		14.6	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