

Report of Analysis

Client:	PSEG	Date Collected:	08/12/25
Project:	Orange Gas	Date Received:	08/12/25
Client Sample ID:	0804-D	SDG No.:	Q2840
Lab Sample ID:	Q2840-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087586.D	1	08/15/25 16:46	VN081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.50	U	0.57	2.50	mg/Kg
74-87-3	Chloromethane	2.50	U	0.57	2.50	mg/Kg
75-01-4	Vinyl Chloride	2.50	U	0.40	2.50	mg/Kg
74-83-9	Bromomethane	2.50	U	0.54	2.50	mg/Kg
75-00-3	Chloroethane	2.50	U	0.63	2.50	mg/Kg
75-69-4	Trichlorofluoromethane	2.50	U	0.61	2.50	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	0.53	2.50	mg/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.50	2.50	mg/Kg
67-64-1	Acetone	12.5	U	2.40	12.5	mg/Kg
75-15-0	Carbon Disulfide	2.50	U	0.53	2.50	mg/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.37	2.50	mg/Kg
79-20-9	Methyl Acetate	2.50	U	0.77	2.50	mg/Kg
75-09-2	Methylene Chloride	5.00	U	1.80	5.00	mg/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.43	2.50	mg/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.40	2.50	mg/Kg
110-82-7	Cyclohexane	2.50	U	0.40	2.50	mg/Kg
78-93-3	2-Butanone	12.5	U	3.30	12.5	mg/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.49	2.50	mg/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.38	2.50	mg/Kg
74-97-5	Bromochloromethane	2.50	U	0.58	2.50	mg/Kg
67-66-3	Chloroform	2.50	U	0.42	2.50	mg/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.47	2.50	mg/Kg
108-87-2	Methylcyclohexane	2.50	U	0.46	2.50	mg/Kg
71-43-2	Benzene	2.50	U	0.40	2.50	mg/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.40	2.50	mg/Kg
79-01-6	Trichloroethene	2.50	U	0.41	2.50	mg/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.46	2.50	mg/Kg
75-27-4	Bromodichloromethane	2.50	U	0.39	2.50	mg/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	1.80	12.5	mg/Kg
108-88-3	Toluene	2.50	U	0.39	2.50	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	2.50	U	0.33	2.50	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.31	2.50	mg/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.46	2.50	mg/Kg
591-78-6	2-Hexanone	12.5	U	1.80	12.5	mg/Kg
124-48-1	Dibromochloromethane	2.50	U	0.44	2.50	mg/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.44	2.50	mg/Kg
127-18-4	Tetrachloroethene	2.50	U	0.53	2.50	mg/Kg
108-90-7	Chlorobenzene	2.50	U	0.46	2.50	mg/Kg
100-41-4	Ethyl Benzene	2.50	U	0.34	2.50	mg/Kg
179601-23-1	m/p-Xylenes	5.00	U	0.62	5.00	mg/Kg
95-47-6	o-Xylene	2.50	U	0.41	2.50	mg/Kg
100-42-5	Styrene	2.50	U	0.36	2.50	mg/Kg
75-25-2	Bromoform	2.50	U	0.43	2.50	mg/Kg
98-82-8	Isopropylbenzene	2.50	U	0.39	2.50	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	0.61	2.50	mg/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.86	2.50	mg/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.78	2.50	mg/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.73	2.50	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	0.92	2.50	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	1.50	2.50	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	1.60	2.50	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		70 - 134	91%	SPK: 50
2037-26-5	Toluene-d8	46.4		74 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.0		17 - 146	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	8.206			
540-36-3	1,4-Difluorobenzene	534000	9.082			
3114-55-4	Chlorobenzene-d5	447000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.77			

TENTATIVE IDENTIFIED COMPOUNDS

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	unknown2.853	6500	J		2.85	ug/Kg
1010386-40-2	2-Ethyl-oxetane	2600	J		6.27	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