

Report of Analysis

Client: PSEG
Project: Trenton Gas and Appliance Service (TR)
Client Sample ID: TR-01-11072025
Lab Sample ID: Q3588-03
Analytical Method: 8260D
Sample Wt/Vol: 5.91 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3588
Matrix: SOIL
% Solid: 92.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0010	U	1	0.0010	0.0046	mg/Kg	11/11/25 16:24	VY111125
74-87-3	Chloromethane	0.0010	U	1	0.0010	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-01-4	Vinyl Chloride	0.00072	U	1	0.00072	0.0046	mg/Kg	11/11/25 16:24	VY111125
74-83-9	Bromomethane	0.00098	U	1	0.00098	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-00-3	Chloroethane	0.0012	U	1	0.0012	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-69-4	Trichlorofluoromethane	0.0011	U	1	0.0011	0.0046	mg/Kg	11/11/25 16:24	VY111125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00097	U	1	0.00097	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-35-4	1,1-Dichloroethene	0.00091	U	1	0.00091	0.0046	mg/Kg	11/11/25 16:24	VY111125
67-64-1	Acetone	0.0043	U	1	0.0043	0.023	mg/Kg	11/11/25 16:24	VY111125
75-15-0	Carbon Disulfide	0.00097	U	1	0.00097	0.0046	mg/Kg	11/11/25 16:24	VY111125
1634-04-4	Methyl tert-butyl Ether	0.00067	U	1	0.00067	0.0046	mg/Kg	11/11/25 16:24	VY111125
79-20-9	Methyl Acetate	0.0014	U	1	0.0014	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-09-2	Methylene Chloride	0.0032	U	1	0.0032	0.0091	mg/Kg	11/11/25 16:24	VY111125
156-60-5	trans-1,2-Dichloroethene	0.00079	U	1	0.00079	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-34-3	1,1-Dichloroethane	0.00073	U	1	0.00073	0.0046	mg/Kg	11/11/25 16:24	VY111125
110-82-7	Cyclohexane	0.00072	U	1	0.00072	0.0046	mg/Kg	11/11/25 16:24	VY111125
78-93-3	2-Butanone	0.0060	U	1	0.0060	0.023	mg/Kg	11/11/25 16:24	VY111125
56-23-5	Carbon Tetrachloride	0.00089	U	1	0.00089	0.0046	mg/Kg	11/11/25 16:24	VY111125
156-59-2	cis-1,2-Dichloroethene	0.00069	U	1	0.00069	0.0046	mg/Kg	11/11/25 16:24	VY111125
74-97-5	Bromochloromethane	0.0011	U	1	0.0011	0.0046	mg/Kg	11/11/25 16:24	VY111125
67-66-3	Chloroform	0.00077	U	1	0.00077	0.0046	mg/Kg	11/11/25 16:24	VY111125
71-55-6	1,1,1-Trichloroethane	0.00085	U	1	0.00085	0.0046	mg/Kg	11/11/25 16:24	VY111125
108-87-2	Methylcyclohexane	0.00083	U	1	0.00083	0.0046	mg/Kg	11/11/25 16:24	VY111125
71-43-2	Benzene	0.00072	U	1	0.00072	0.0046	mg/Kg	11/11/25 16:24	VY111125
107-06-2	1,2-Dichloroethane	0.00072	U	1	0.00072	0.0046	mg/Kg	11/11/25 16:24	VY111125
79-01-6	Trichloroethene	0.00074	U	1	0.00074	0.0046	mg/Kg	11/11/25 16:24	VY111125
78-87-5	1,2-Dichloropropane	0.00083	U	1	0.00083	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-27-4	Bromodichloromethane	0.00071	U	1	0.00071	0.0046	mg/Kg	11/11/25 16:24	VY111125
108-10-1	4-Methyl-2-Pentanone	0.0033	U	1	0.0033	0.023	mg/Kg	11/11/25 16:24	VY111125
108-88-3	Toluene	0.00071	U	1	0.00071	0.0046	mg/Kg	11/11/25 16:24	VY111125
10061-02-6	t-1,3-Dichloropropene	0.00059	U	1	0.00059	0.0046	mg/Kg	11/11/25 16:24	VY111125
10061-01-5	cis-1,3-Dichloropropene	0.00057	U	1	0.00057	0.0046	mg/Kg	11/11/25 16:24	VY111125
79-00-5	1,1,2-Trichloroethane	0.00084	U	1	0.00084	0.0046	mg/Kg	11/11/25 16:24	VY111125
591-78-6	2-Hexanone	0.0034	U	1	0.0034	0.023	mg/Kg	11/11/25 16:24	VY111125
124-48-1	Dibromochloromethane	0.00079	U	1	0.00079	0.0046	mg/Kg	11/11/25 16:24	VY111125
106-93-4	1,2-Dibromoethane	0.00080	U	1	0.00080	0.0046	mg/Kg	11/11/25 16:24	VY111125
127-18-4	Tetrachloroethene	0.00096	U	1	0.00096	0.0046	mg/Kg	11/11/25 16:24	VY111125
108-90-7	Chlorobenzene	0.00083	U	1	0.00083	0.0046	mg/Kg	11/11/25 16:24	VY111125
100-41-4	Ethyl Benzene	0.00061	U	1	0.00061	0.0046	mg/Kg	11/11/25 16:24	VY111125
179601-23-1	m/p-Xylenes	0.0011	U	1	0.0011	0.0091	mg/Kg	11/11/25 16:24	VY111125
95-47-6	o-Xylene	0.00075	U	1	0.00075	0.0046	mg/Kg	11/11/25 16:24	VY111125
100-42-5	Styrene	0.00065	U	1	0.00065	0.0046	mg/Kg	11/11/25 16:24	VY111125
75-25-2	Bromoform	0.00079	U	1	0.00079	0.0046	mg/Kg	11/11/25 16:24	VY111125

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00071	U	1	0.00071	0.0046	mg/Kg	11/11/25 16:24	VY111125
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	1	0.0011	0.0046	mg/Kg	11/11/25 16:24	VY111125
541-73-1	1,3-Dichlorobenzene	0.0016	U	1	0.0016	0.0046	mg/Kg	11/11/25 16:24	VY111125
106-46-7	1,4-Dichlorobenzene	0.0014	U	1	0.0014	0.0046	mg/Kg	11/11/25 16:24	VY111125
95-50-1	1,2-Dichlorobenzene	0.0013	U	1	0.0013	0.0046	mg/Kg	11/11/25 16:24	VY111125
96-12-8	1,2-Dibromo-3-Chloropropane	0.0017	U	1	0.0017	0.0046	mg/Kg	11/11/25 16:24	VY111125
120-82-1	1,2,4-Trichlorobenzene	0.0027	U	1	0.0027	0.0046	mg/Kg	11/11/25 16:24	VY111125
87-61-6	1,2,3-Trichlorobenzene	0.0029	U	1	0.0029	0.0046	mg/Kg	11/11/25 16:24	VY111125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.1		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		52 - 138	90%	SPK: 50

INTERNAL STANDARDS

	Area Count
363-72-4 Pentafluorobenzene	834000
540-36-3 1,4-Difluorobenzene	1400000
3114-55-4 Chlorobenzene-d5	1200000
3855-82-1 1,4-Dichlorobenzene-d4	493000

TENTATIVE IDENTIFIED COMPOUNDS

1010386-40-22-Ethyl-oxetane	28.3	J	5.65	ug/Kg
108-67-8 1,3,5-Trimethylbenzene	5.40	J	12.7	ug/Kg
95-63-6 1,2,4-Trimethylbenzene	3.80	J	13.0	ug/Kg
000933-98-2 Benzene, 1-ethyl-2,3-dimethyl-	25.1	J	13.6	ug/Kg
000527-84-4 o-Cymene	25.3	J	13.9	ug/Kg
002039-89-6 Benzene, 2-ethenyl-1,4-dimethyl-	68.7	J	14.6	ug/Kg
000119-64-2 Naphthalene, 1,2,3,4-tetrahydro-	35.4	J	14.7	ug/Kg
097664-18-1 Benzene, 1-methyl-4-(1-methyl-2-pr	27.9	J	15.0	ug/Kg
017496-14-9 1H-Inden-1-one, 2,3-dihydro-2-meth	22.1	J	15.3	ug/Kg
005676-32-4 Benzene, (1-methylenebutyl)-	33.8	J	15.6	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