

Report of Analysis

Client: PSEG
Project: Trenton Gas and Appliance Service MA00006789
Client Sample ID: TR-04-102925
Lab Sample ID: Q3485-01
Analytical Method: 8260D
Sample Wt/Vol: 6.69 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/29/25
Date Received: 10/29/25
SDG No.: Q3485
Matrix: SOIL
% Solid: 94.1
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.00091	U	1	0.00091	0.0040	mg/Kg	10/30/25 13:26	VY103025
74-87-3	Chloromethane	0.00091	U	1	0.00091	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-01-4	Vinyl Chloride	0.00063	U	1	0.00063	0.0040	mg/Kg	10/30/25 13:26	VY103025
74-83-9	Bromomethane	0.00085	U	1	0.00085	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-00-3	Chloroethane	0.0010	U	1	0.0010	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-69-4	Trichlorofluoromethane	0.00096	U	1	0.00096	0.0040	mg/Kg	10/30/25 13:26	VY103025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00084	U	1	0.00084	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-35-4	1,1-Dichloroethene	0.00079	U	1	0.00079	0.0040	mg/Kg	10/30/25 13:26	VY103025
67-64-1	Acetone	0.0038	U	1	0.0038	0.020	mg/Kg	10/30/25 13:26	VY103025
75-15-0	Carbon Disulfide	0.00084	U	1	0.00084	0.0040	mg/Kg	10/30/25 13:26	VY103025
1634-04-4	Methyl tert-butyl Ether	0.00058	U	1	0.00058	0.0040	mg/Kg	10/30/25 13:26	VY103025
79-20-9	Methyl Acetate	0.0012	U	1	0.0012	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-09-2	Methylene Chloride	0.0028	U	1	0.0028	0.0079	mg/Kg	10/30/25 13:26	VY103025
156-60-5	trans-1,2-Dichloroethene	0.00068	U	1	0.00068	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-34-3	1,1-Dichloroethane	0.00064	U	1	0.00064	0.0040	mg/Kg	10/30/25 13:26	VY103025
110-82-7	Cyclohexane	0.00063	U	1	0.00063	0.0040	mg/Kg	10/30/25 13:26	VY103025
78-93-3	2-Butanone	0.0052	U	1	0.0052	0.020	mg/Kg	10/30/25 13:26	VY103025
56-23-5	Carbon Tetrachloride	0.00077	U	1	0.00077	0.0040	mg/Kg	10/30/25 13:26	VY103025
156-59-2	cis-1,2-Dichloroethene	0.00060	U	1	0.00060	0.0040	mg/Kg	10/30/25 13:26	VY103025
74-97-5	Bromochloromethane	0.00091	U	1	0.00091	0.0040	mg/Kg	10/30/25 13:26	VY103025
67-66-3	Chloroform	0.00067	U	1	0.00067	0.0040	mg/Kg	10/30/25 13:26	VY103025
71-55-6	1,1,1-Trichloroethane	0.00074	U	1	0.00074	0.0040	mg/Kg	10/30/25 13:26	VY103025
108-87-2	Methylcyclohexane	0.00072	U	1	0.00072	0.0040	mg/Kg	10/30/25 13:26	VY103025
71-43-2	Benzene	0.00063	U	1	0.00063	0.0040	mg/Kg	10/30/25 13:26	VY103025
107-06-2	1,2-Dichloroethane	0.00063	U	1	0.00063	0.0040	mg/Kg	10/30/25 13:26	VY103025
79-01-6	Trichloroethene	0.00064	U	1	0.00064	0.0040	mg/Kg	10/30/25 13:26	VY103025
78-87-5	1,2-Dichloropropane	0.00072	U	1	0.00072	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-27-4	Bromodichloromethane	0.00062	U	1	0.00062	0.0040	mg/Kg	10/30/25 13:26	VY103025
108-10-1	4-Methyl-2-Pentanone	0.0028	U	1	0.0028	0.020	mg/Kg	10/30/25 13:26	VY103025
108-88-3	Toluene	0.0011	J	1	0.00062	0.0040	mg/Kg	10/30/25 13:26	VY103025
10061-02-6	t-1,3-Dichloropropene	0.00052	U	1	0.00052	0.0040	mg/Kg	10/30/25 13:26	VY103025
10061-01-5	cis-1,3-Dichloropropene	0.00049	U	1	0.00049	0.0040	mg/Kg	10/30/25 13:26	VY103025
79-00-5	1,1,2-Trichloroethane	0.00073	U	1	0.00073	0.0040	mg/Kg	10/30/25 13:26	VY103025
591-78-6	2-Hexanone	0.0029	U	1	0.0029	0.020	mg/Kg	10/30/25 13:26	VY103025
124-48-1	Dibromochloromethane	0.00069	U	1	0.00069	0.0040	mg/Kg	10/30/25 13:26	VY103025
106-93-4	1,2-Dibromoethane	0.00070	U	1	0.00070	0.0040	mg/Kg	10/30/25 13:26	VY103025
127-18-4	Tetrachloroethene	0.00083	U	1	0.00083	0.0040	mg/Kg	10/30/25 13:26	VY103025
108-90-7	Chlorobenzene	0.00072	U	1	0.00072	0.0040	mg/Kg	10/30/25 13:26	VY103025
100-41-4	Ethyl Benzene	0.00053	U	1	0.00053	0.0040	mg/Kg	10/30/25 13:26	VY103025
179601-23-1	m/p-Xylenes	0.00098	U	1	0.00098	0.0079	mg/Kg	10/30/25 13:26	VY103025
95-47-6	o-Xylene	0.00065	U	1	0.00065	0.0040	mg/Kg	10/30/25 13:26	VY103025
100-42-5	Styrene	0.00056	U	1	0.00056	0.0040	mg/Kg	10/30/25 13:26	VY103025
75-25-2	Bromoform	0.00068	U	1	0.00068	0.0040	mg/Kg	10/30/25 13:26	VY103025

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00062	U	1	0.00062	0.0040	mg/Kg	10/30/25 13:26	VY103025
79-34-5	1,1,2,2-Tetrachloroethane	0.00096	U	1	0.00096	0.0040	mg/Kg	10/30/25 13:26	VY103025
541-73-1	1,3-Dichlorobenzene	0.0014	U	1	0.0014	0.0040	mg/Kg	10/30/25 13:26	VY103025
106-46-7	1,4-Dichlorobenzene	0.0012	U	1	0.0012	0.0040	mg/Kg	10/30/25 13:26	VY103025
95-50-1	1,2-Dichlorobenzene	0.0012	U	1	0.0012	0.0040	mg/Kg	10/30/25 13:26	VY103025
96-12-8	1,2-Dibromo-3-Chloropropane	0.0015	U	1	0.0015	0.0040	mg/Kg	10/30/25 13:26	VY103025
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	1	0.0024	0.0040	mg/Kg	10/30/25 13:26	VY103025
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	1	0.0025	0.0040	mg/Kg	10/30/25 13:26	VY103025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.7			63 - 155	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7			70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.9			74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9			17 - 146	86%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	677000
540-36-3	1,4-Difluorobenzene	1180000
3114-55-4	Chlorobenzene-d5	992000
3855-82-1	1,4-Dichlorobenzene-d4	388000

TENTATIVE IDENTIFIED COMPOUNDS

108-67-8	1,3,5-Trimethylbenzene	2.00	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	9.80	J		13.0	ug/Kg
104-51-8	n-Butylbenzene	2.10	J		13.6	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	6.80	J		13.8	ug/Kg
000527-84-4	o-Cymene	11.5	J		13.9	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	6.90	J		14.2	ug/Kg
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	6.80	J		14.5	ug/Kg
000934-10-1	3-Phenylbut-1-ene	20.5	J		14.6	ug/Kg
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	8.10	J		14.7	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