

Report of Analysis

Client: PSEG
Project: Trenton Gas and Appliance Service (TR)
Client Sample ID: TR-06-11072025
Lab Sample ID: Q3588-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.04 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/11/25

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3588
Matrix: SOIL
% Solid: 93.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.100	U	1	0.100	0.21	mg/Kg	11/12/25 00:26	PB170478
108-95-2	Phenol	0.014	U	1	0.014	0.11	mg/Kg	11/12/25 00:26	PB170478
111-44-4	bis(2-Chloroethyl)ether	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
95-57-8	2-Chlorophenol	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
95-48-7	2-Methylphenol	0.019	U	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
108-60-1	2,2-oxybis(1-Chloropropane)	0.024	U	1	0.024	0.11	mg/Kg	11/12/25 00:26	PB170478
98-86-2	Acetophenone	0.019	U	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
65794-96-9	3+4-Methylphenols	0.026	U	1	0.026	0.21	mg/Kg	11/12/25 00:26	PB170478
621-64-7	n-Nitroso-di-n-propylamine	0.030	U	1	0.030	0.051	mg/Kg	11/12/25 00:26	PB170478
67-72-1	Hexachloroethane	0.011	U	1	0.011	0.11	mg/Kg	11/12/25 00:26	PB170478
98-95-3	Nitrobenzene	0.012	U	1	0.012	0.11	mg/Kg	11/12/25 00:26	PB170478
78-59-1	Isophorone	0.021	U	1	0.021	0.11	mg/Kg	11/12/25 00:26	PB170478
88-75-5	2-Nitrophenol	0.037	U	1	0.037	0.11	mg/Kg	11/12/25 00:26	PB170478
105-67-9	2,4-Dimethylphenol	0.041	U	1	0.041	0.11	mg/Kg	11/12/25 00:26	PB170478
111-91-1	bis(2-Chloroethoxy)methane	0.020	U	1	0.020	0.11	mg/Kg	11/12/25 00:26	PB170478
120-83-2	2,4-Dichlorophenol	0.018	U	1	0.018	0.11	mg/Kg	11/12/25 00:26	PB170478
91-20-3	Naphthalene	0.015	U	1	0.015	0.11	mg/Kg	11/12/25 00:26	PB170478
106-47-8	4-Chloroaniline	0.023	U	1	0.023	0.11	mg/Kg	11/12/25 00:26	PB170478
87-68-3	Hexachlorobutadiene	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
105-60-2	Caprolactam	0.033	U	1	0.033	0.21	mg/Kg	11/12/25 00:26	PB170478
59-50-7	4-Chloro-3-methylphenol	0.018	U	1	0.018	0.11	mg/Kg	11/12/25 00:26	PB170478
91-57-6	2-Methylnaphthalene	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
77-47-4	Hexachlorocyclopentadiene	0.074	U	1	0.074	0.21	mg/Kg	11/12/25 00:26	PB170478
88-06-2	2,4,6-Trichlorophenol	0.013	U	1	0.013	0.11	mg/Kg	11/12/25 00:26	PB170478
95-95-4	2,4,5-Trichlorophenol	0.019	U	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
92-52-4	1,1-Biphenyl	0.014	U	1	0.014	0.11	mg/Kg	11/12/25 00:26	PB170478
91-58-7	2-Chloronaphthalene	0.014	U	1	0.014	0.11	mg/Kg	11/12/25 00:26	PB170478
88-74-4	2-Nitroaniline	0.031	U	1	0.031	0.11	mg/Kg	11/12/25 00:26	PB170478
131-11-3	Dimethylphthalate	0.017	U	1	0.017	0.11	mg/Kg	11/12/25 00:26	PB170478
208-96-8	Acenaphthylene	0.019	U	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
606-20-2	2,6-Dinitrotoluene	0.022	U	1	0.022	0.11	mg/Kg	11/12/25 00:26	PB170478
99-09-2	3-Nitroaniline	0.029	U	1	0.029	0.11	mg/Kg	11/12/25 00:26	PB170478
83-32-9	Acenaphthene	0.014	U	1	0.014	0.11	mg/Kg	11/12/25 00:26	PB170478
51-28-5	2,4-Dinitrophenol	0.15	U	1	0.15	0.21	mg/Kg	11/12/25 00:26	PB170478
100-02-7	4-Nitrophenol	0.068	U	1	0.068	0.21	mg/Kg	11/12/25 00:26	PB170478
132-64-9	Dibenzofuran	0.015	U	1	0.015	0.11	mg/Kg	11/12/25 00:26	PB170478
121-14-2	2,4-Dinitrotoluene	0.032	U	1	0.032	0.11	mg/Kg	11/12/25 00:26	PB170478
84-66-2	Diethylphthalate	0.018	U	1	0.018	0.11	mg/Kg	11/12/25 00:26	PB170478
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	1	0.017	0.11	mg/Kg	11/12/25 00:26	PB170478
86-73-7	Fluorene	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
100-01-6	4-Nitroaniline	0.041	U	1	0.041	0.11	mg/Kg	11/12/25 00:26	PB170478
534-52-1	4,6-Dinitro-2-methylphenol	0.066	U	1	0.066	0.21	mg/Kg	11/12/25 00:26	PB170478

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% Solid: 93.9
Test: SVOC-TCL BNA -20

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86-30-6	n-Nitrosodiphenylamine	0.021	U	1	0.021	0.11	mg/Kg	11/12/25 00:26	PB170478
101-55-3	4-Bromophenyl-phenylether	0.018	U	1	0.018	0.11	mg/Kg	11/12/25 00:26	PB170478
118-74-1	Hexachlorobenzene	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
1912-24-9	Atrazine	0.022	U	1	0.022	0.11	mg/Kg	11/12/25 00:26	PB170478
87-86-5	Pentachlorophenol	0.033	U	1	0.033	0.21	mg/Kg	11/12/25 00:26	PB170478
85-01-8	Phenanthrene	0.047	J	1	0.013	0.11	mg/Kg	11/12/25 00:26	PB170478
120-12-7	Anthracene	0.021	U	1	0.021	0.11	mg/Kg	11/12/25 00:26	PB170478
86-74-8	Carbazole	0.020	U	1	0.020	0.11	mg/Kg	11/12/25 00:26	PB170478
84-74-2	Di-n-butylphthalate	0.031	U	1	0.031	0.11	mg/Kg	11/12/25 00:26	PB170478
206-44-0	Fluoranthene	0.083	J	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
129-00-0	Pyrene	0.060	J	1	0.023	0.11	mg/Kg	11/12/25 00:26	PB170478
85-68-7	Butylbenzylphthalate	0.046	U	1	0.046	0.11	mg/Kg	11/12/25 00:26	PB170478
91-94-1	3,3-Dichlorobenzidine	0.023	U	1	0.023	0.21	mg/Kg	11/12/25 00:26	PB170478
56-55-3	Benzo(a)anthracene	0.043	J	1	0.015	0.11	mg/Kg	11/12/25 00:26	PB170478
218-01-9	Chrysene	0.013	U	1	0.013	0.11	mg/Kg	11/12/25 00:26	PB170478
117-81-7	Bis(2-ethylhexyl)phthalate	0.038	U	1	0.038	0.11	mg/Kg	11/12/25 00:26	PB170478
117-84-0	Di-n-octyl phthalate	0.055	U	1	0.055	0.21	mg/Kg	11/12/25 00:26	PB170478
205-99-2	Benzo(b)fluoranthene	0.060	J	1	0.012	0.11	mg/Kg	11/12/25 00:26	PB170478
207-08-9	Benzo(k)fluoranthene	0.014	U	1	0.014	0.11	mg/Kg	11/12/25 00:26	PB170478
50-32-8	Benzo(a)pyrene	0.043	J	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	U	1	0.019	0.11	mg/Kg	11/12/25 00:26	PB170478
53-70-3	Dibenzo(a,h)anthracene	0.018	U	1	0.018	0.11	mg/Kg	11/12/25 00:26	PB170478
191-24-2	Benzo(g,h,i)perylene	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
95-94-3	1,2,4,5-Tetrachlorobenzene	0.016	U	1	0.016	0.11	mg/Kg	11/12/25 00:26	PB170478
123-91-1	1,4-Dioxane	0.029	U	1	0.029	0.11	mg/Kg	11/12/25 00:26	PB170478
58-90-2	2,3,4,6-Tetrachlorophenol	0.018	U	1	0.018	0.11	mg/Kg	11/12/25 00:26	PB170478

SURROGATES

367-12-4	2-Fluorophenol	67.0		10 - 105	45%	SPK: 150
13127-88-3	Phenol-d6	70.0		10 - 103	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.7		10 - 108	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.1		10 - 108	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.8		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		10 - 109	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	74400
1146-65-2	Naphthalene-d8	278000
15067-26-2	Acenaphthene-d10	146000
1517-22-2	Phenanthrene-d10	218000
1719-03-5	Chrysene-d12	174000
1520-96-3	Perylene-d12	156000

TENTATIVE IDENTIFIED COMPOUNDS

000544-76-3	Hexadecane	77.3	J	9.30	ug/Kg
000629-62-9	Pentadecane	87.9	J	9.84	ug/Kg

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Lab Sample ID:	Q3588-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.04 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	91.3	J			10.6	ug/Kg		
000112-04-9	Silane, trichlorooctadecyl-	110	J			10.8	ug/Kg		
000629-59-4	Tetradecane	59.2	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	63.0	J			11.9	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