

Report of Analysis

Client:	PSEG	Date Collected:	10/07/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/07/25
Client Sample ID:	TR-04-100725	SDG No.:	Q3304
Lab Sample ID:	Q3304-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.9
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143901.D	2	10/08/25 09:15	10/08/25 18:06	PB170020

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.20	U	0.20	0.43	mg/Kg
108-95-2	Phenol	0.029	U	0.029	0.22	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.032	U	0.032	0.22	mg/Kg
95-57-8	2-Chlorophenol	0.032	U	0.032	0.22	mg/Kg
95-48-7	2-Methylphenol	0.039	U	0.039	0.22	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.049	U	0.049	0.22	mg/Kg
98-86-2	Acetophenone	0.039	U	0.039	0.22	mg/Kg
65794-96-9	3+4-Methylphenols	0.054	U	0.054	0.43	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.062	U	0.062	0.10	mg/Kg
67-72-1	Hexachloroethane	0.023	U	0.023	0.22	mg/Kg
98-95-3	Nitrobenzene	0.024	U	0.024	0.22	mg/Kg
78-59-1	Isophorone	0.043	U	0.043	0.22	mg/Kg
88-75-5	2-Nitrophenol	0.076	U	0.076	0.22	mg/Kg
105-67-9	2,4-Dimethylphenol	0.085	U	0.085	0.22	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.040	U	0.040	0.22	mg/Kg
120-83-2	2,4-Dichlorophenol	0.037	U	0.037	0.22	mg/Kg
91-20-3	Naphthalene	0.17	J	0.030	0.22	mg/Kg
106-47-8	4-Chloroaniline	0.046	U	0.046	0.22	mg/Kg
87-68-3	Hexachlorobutadiene	0.033	U	0.033	0.22	mg/Kg
105-60-2	Caprolactam	0.068	U	0.068	0.43	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.037	U	0.037	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	J	0.033	0.22	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.15	U	0.15	0.43	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.026	U	0.026	0.22	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.038	U	0.038	0.22	mg/Kg
92-52-4	1,1-Biphenyl	0.028	U	0.028	0.22	mg/Kg
91-58-7	2-Chloronaphthalene	0.029	U	0.029	0.22	mg/Kg
88-74-4	2-Nitroaniline	0.063	U	0.063	0.22	mg/Kg
131-11-3	Dimethylphthalate	0.035	U	0.035	0.22	mg/Kg

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208-96-8	Acenaphthylene	0.13	J	0.038	0.22	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.044	U	0.044	0.22	mg/Kg
99-09-2	3-Nitroaniline	0.060	U	0.060	0.22	mg/Kg
83-32-9	Acenaphthene	0.13	J	0.028	0.22	mg/Kg
51-28-5	2,4-Dinitrophenol	0.30	U	0.30	0.43	mg/Kg
100-02-7	4-Nitrophenol	0.14	U	0.14	0.43	mg/Kg
132-64-9	Dibenzofuran	0.13	J	0.030	0.22	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.065	U	0.065	0.22	mg/Kg
84-66-2	Diethylphthalate	0.037	U	0.037	0.22	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.035	U	0.035	0.22	mg/Kg
86-73-7	Fluorene	0.29		0.033	0.22	mg/Kg
100-01-6	4-Nitroaniline	0.084	U	0.084	0.22	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.13	U	0.13	0.43	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.043	U	0.043	0.22	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.036	U	0.036	0.22	mg/Kg
118-74-1	Hexachlorobenzene	0.033	U	0.033	0.22	mg/Kg
1912-24-9	Atrazine	0.044	U	0.044	0.22	mg/Kg
87-86-5	Pentachlorophenol	0.067	U	0.067	0.43	mg/Kg
85-01-8	Phenanthrene	1.40		0.027	0.22	mg/Kg
120-12-7	Anthracene	0.31		0.043	0.22	mg/Kg
86-74-8	Carbazole	0.13	J	0.041	0.22	mg/Kg
84-74-2	Di-n-butylphthalate	0.062	U	0.062	0.22	mg/Kg
206-44-0	Fluoranthene	1.70		0.039	0.22	mg/Kg
129-00-0	Pyrene	1.30		0.047	0.22	mg/Kg
85-68-7	Butylbenzylphthalate	0.093	U	0.093	0.22	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.048	U	0.048	0.43	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.030	0.22	mg/Kg
218-01-9	Chrysene	0.93		0.026	0.22	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.077	U	0.077	0.22	mg/Kg
117-84-0	Di-n-octyl phthalate	0.11	U	0.11	0.43	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.025	0.22	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.57		0.029	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.96		0.039	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.038	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.10	J	0.036	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.40		0.034	0.22	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	0.033	0.22	mg/Kg
123-91-1	1,4-Dioxane	0.059	U	0.059	0.22	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.036	U	0.036	0.22	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	95.8		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	94.1		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.7		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.8		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		10 - 105	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	113000	6.881
1146-65-2	Naphthalene-d8	438000	8.163
15067-26-2	Acenaphthene-d10	232000	9.922
1517-22-2	Phenanthrene-d10	350000	11.41
1719-03-5	Chrysene-d12	276000	14.063
1520-96-3	Perylene-d12	290000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	160	J	8.97	ug/Kg
000629-59-4	Tetradecane	350	J	9.32	ug/Kg
000575-41-7	Naphthalene, 1,3-dimethyl-	240	J	9.57	ug/Kg
000544-76-3	Hexadecane	350	J	9.85	ug/Kg
000629-62-9	Pentadecane	480	J	10.4	ug/Kg
000119-61-9	Benzophenone	190	J	10.6	ug/Kg
035599-77-0	Tridecane, 1-iodo-	820	J	10.8	ug/Kg

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055045-08-4	Dodecane, 2-methyl-6-propyl-	370	J		11.7	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	270	J		11.9	ug/Kg
000256-81-5	5H-Dibenzo[a,d]cycloheptene	320	J		11.9	ug/Kg
000646-31-1	Tetracosane	280	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	230	J		12.5	ug/Kg
000593-45-3	Octadecane	390	J		12.5	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	190	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	190	J		15.2	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