

Report of Analysis

Client:	PSEG	Date Collected:	08/07/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	08/07/25
Client Sample ID:	TR-04-080725	SDG No.:	Q2801
Lab Sample ID:	Q2801-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.4
Sample Wt/Vol:	50.04	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
BP025339.D	5	08/08/25 09:12	08/08/25 19:24	PB169176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.49	U	0.49	1.00	mg/Kg
108-95-2	Phenol	0.069	U	0.069	0.53	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.076	U	0.076	0.53	mg/Kg
95-57-8	2-Chlorophenol	0.077	U	0.077	0.53	mg/Kg
95-48-7	2-Methylphenol	0.094	U	0.094	0.53	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	0.12	0.53	mg/Kg
98-86-2	Acetophenone	0.093	U	0.093	0.53	mg/Kg
65794-96-9	3+4-Methylphenols	0.13	U	0.13	1.00	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.15	U	0.15	0.25	mg/Kg
67-72-1	Hexachloroethane	0.055	U	0.055	0.53	mg/Kg
98-95-3	Nitrobenzene	0.058	U	0.058	0.53	mg/Kg
78-59-1	Isophorone	0.10	U	0.10	0.53	mg/Kg
88-75-5	2-Nitrophenol	0.18	U	0.18	0.53	mg/Kg
105-67-9	2,4-Dimethylphenol	0.20	U	0.20	0.53	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.097	U	0.097	0.53	mg/Kg
120-83-2	2,4-Dichlorophenol	0.089	U	0.089	0.53	mg/Kg
91-20-3	Naphthalene	0.39	J	0.071	0.53	mg/Kg
106-47-8	4-Chloroaniline	0.11	U	0.11	0.53	mg/Kg
87-68-3	Hexachlorobutadiene	0.080	U	0.080	0.53	mg/Kg
105-60-2	Caprolactam	0.16	U	0.16	1.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.090	U	0.090	0.53	mg/Kg
91-57-6	2-Methylnaphthalene	0.54		0.080	0.53	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.36	U	0.36	1.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.062	U	0.062	0.53	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.091	U	0.091	0.53	mg/Kg
92-52-4	1,1-Biphenyl	0.069	U	0.069	0.53	mg/Kg
91-58-7	2-Chloronaphthalene	0.071	U	0.071	0.53	mg/Kg
88-74-4	2-Nitroaniline	0.15	U	0.15	0.53	mg/Kg
131-11-3	Dimethylphthalate	0.085	U	0.085	0.53	mg/Kg

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208-96-8	Acenaphthylene	0.33	J	0.091	0.53	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.11	U	0.11	0.53	mg/Kg
99-09-2	3-Nitroaniline	0.14	U	0.14	0.53	mg/Kg
83-32-9	Acenaphthene	0.49	J	0.067	0.53	mg/Kg
51-28-5	2,4-Dinitrophenol	0.72	U	0.72	1.00	mg/Kg
100-02-7	4-Nitrophenol	0.34	U	0.34	1.00	mg/Kg
132-64-9	Dibenzofuran	0.54		0.071	0.53	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.16	U	0.16	0.53	mg/Kg
84-66-2	Diethylphthalate	0.089	U	0.089	0.53	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.084	U	0.084	0.53	mg/Kg
86-73-7	Fluorene	0.98		0.080	0.53	mg/Kg
100-01-6	4-Nitroaniline	0.20	U	0.20	0.53	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.32	U	0.32	1.00	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.10	U	0.10	0.53	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.087	U	0.087	0.53	mg/Kg
118-74-1	Hexachlorobenzene	0.080	U	0.080	0.53	mg/Kg
1912-24-9	Atrazine	0.11	U	0.11	0.53	mg/Kg
87-86-5	Pentachlorophenol	0.16	U	0.16	1.00	mg/Kg
85-01-8	Phenanthrene	5.20		0.066	0.53	mg/Kg
120-12-7	Anthracene	1.50		0.10	0.53	mg/Kg
86-74-8	Carbazole	0.35	J	0.098	0.53	mg/Kg
84-74-2	Di-n-butylphthalate	0.15	U	0.15	0.53	mg/Kg
206-44-0	Fluoranthene	4.80		0.094	0.53	mg/Kg
129-00-0	Pyrene	5.50		0.11	0.53	mg/Kg
85-68-7	Butylbenzylphthalate	0.22	U	0.22	0.53	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.12	U	0.12	1.00	mg/Kg
56-55-3	Benzo(a)anthracene	2.70		0.072	0.53	mg/Kg
218-01-9	Chrysene	2.50		0.063	0.53	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	U	0.19	0.53	mg/Kg
117-84-0	Di-n-octyl phthalate	0.27	U	0.27	1.00	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.60		0.060	0.53	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.87		0.070	0.53	mg/Kg
50-32-8	Benzo(a)pyrene	2.30		0.093	0.53	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.091	0.53	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.36	J	0.086	0.53	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.30		0.081	0.53	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.080	U	0.080	0.53	mg/Kg
123-91-1	1,4-Dioxane	0.14	U	0.14	0.53	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.086	U	0.086	0.53	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	64.5		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	61.1		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.0		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.9		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	52.3		10 - 105	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	429000	7.802
1146-65-2	Naphthalene-d8	1810000	10.578
15067-26-2	Acenaphthene-d10	1080000	14.425
1517-22-2	Phenanthrene-d10	1760000	17.219
1719-03-5	Chrysene-d12	1210000	21.66
1520-96-3	Perylene-d12	1440000	25.054

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	430	J	3.05	ug/Kg
90-12-0	1-Methylnaphthalene	420	J	12.4	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	470	J	13.7	ug/Kg
000581-42-0	Naphthalene, 2,6-dimethyl-	280	J	13.8	ug/Kg
006344-67-8	9H-Fluoren-3-ol	470	J	15.8	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	340	J	16.5	ug/Kg
036393-42-7	4-(4-Methylphenyl)benzaldehyde	280	J	16.9	ug/Kg

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000132-65-0	Dibenzothiophene	470	J		17.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	810	J		18.1	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1300	J		18.2	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	570	J		18.3	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1600	J		18.3	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	460	J		18.4	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	440	J		18.6	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	630	J		19.1	ug/Kg
	unknown19.136	390	J		19.1	ug/Kg
000781-43-1	9,10-Dimethylanthracene	350	J		19.2	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	440	J		20.2	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	290	J		20.3	ug/Kg
000192-97-2	Benzo[e]pyrene	1700	J		24.7	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