

Report of Analysis

Client:	PSEG	Date Collected:	09/03/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	09/03/25
Client Sample ID:	TR-04-090325	SDG No.:	Q3009
Lab Sample ID:	Q3009-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	96.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	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
BP025677.D	5	09/05/25 09:00	09/05/25 15:14	PB169566

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.48	U	0.48	1.00	mg/Kg
108-95-2	Phenol	0.068	U	0.068	0.53	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.075	U	0.075	0.53	mg/Kg
95-57-8	2-Chlorophenol	0.076	U	0.076	0.53	mg/Kg
95-48-7	2-Methylphenol	0.093	U	0.093	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	0.091	U	0.091	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	0.057	U	0.057	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	0.095	U	0.095	0.53	mg/Kg
120-83-2	2,4-Dichlorophenol	0.088	U	0.088	0.53	mg/Kg
91-20-3	Naphthalene	0.070	U	0.070	0.53	mg/Kg
106-47-8	4-Chloroaniline	0.11	U	0.11	0.53	mg/Kg
87-68-3	Hexachlorobutadiene	0.078	U	0.078	0.53	mg/Kg
105-60-2	Caprolactam	0.16	U	0.16	1.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.089	U	0.089	0.53	mg/Kg
91-57-6	2-Methylnaphthalene	0.079	U	0.079	0.53	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.36	U	0.36	1.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.061	U	0.061	0.53	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.090	U	0.090	0.53	mg/Kg
92-52-4	1,1-Biphenyl	0.068	U	0.068	0.53	mg/Kg
91-58-7	2-Chloronaphthalene	0.070	U	0.070	0.53	mg/Kg
88-74-4	2-Nitroaniline	0.15	U	0.15	0.53	mg/Kg
131-11-3	Dimethylphthalate	0.084	U	0.084	0.53	mg/Kg

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208-96-8	Acenaphthylene	0.090	U	0.090	0.53	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.53	mg/Kg
99-09-2	3-Nitroaniline	0.14	U	0.14	0.53	mg/Kg
83-32-9	Acenaphthene	0.066	U	0.066	0.53	mg/Kg
51-28-5	2,4-Dinitrophenol	0.71	U	0.71	1.00	mg/Kg
100-02-7	4-Nitrophenol	0.33	U	0.33	1.00	mg/Kg
132-64-9	Dibenzofuran	0.070	U	0.070	0.53	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.16	U	0.16	0.53	mg/Kg
84-66-2	Diethylphthalate	0.088	U	0.088	0.53	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.083	U	0.083	0.53	mg/Kg
86-73-7	Fluorene	0.078	U	0.078	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	0.086	U	0.086	0.53	mg/Kg
118-74-1	Hexachlorobenzene	0.078	U	0.078	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	0.065	U	0.065	0.53	mg/Kg
120-12-7	Anthracene	0.10	U	0.10	0.53	mg/Kg
86-74-8	Carbazole	0.097	U	0.097	0.53	mg/Kg
84-74-2	Di-n-butylphthalate	0.15	U	0.15	0.53	mg/Kg
206-44-0	Fluoranthene	0.093	U	0.093	0.53	mg/Kg
129-00-0	Pyrene	0.11	U	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	0.11	U	0.11	1.00	mg/Kg
56-55-3	Benzo(a)anthracene	0.071	U	0.071	0.53	mg/Kg
218-01-9	Chrysene	0.062	U	0.062	0.53	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	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	0.059	U	0.059	0.53	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.069	U	0.069	0.53	mg/Kg
50-32-8	Benzo(a)pyrene	0.091	U	0.091	0.53	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.090	U	0.090	0.53	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.085	U	0.085	0.53	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.080	U	0.080	0.53	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.079	U	0.079	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	0.085	U	0.085	0.53	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.0		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.1		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.3		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.4		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	54.1		10 - 105	54%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	159000	7.755
1146-65-2	Naphthalene-d8	658000	10.519
15067-26-2	Acenaphthene-d10	418000	14.384
1517-22-2	Phenanthrene-d10	790000	17.189
1719-03-5	Chrysene-d12	826000	21.642
1520-96-3	Perylene-d12	936000	25.013

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	470	J	3.02	ug/Kg
000629-50-5	Tridecane	610	J	11.9	ug/Kg
013065-07-1	Naphthalene, 1,2,3,4-tetrahydro-2,	440	J	12.4	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	400	J	12.9	ug/Kg
000629-59-4	Tetradecane	830	J	13.2	ug/Kg
017312-62-8	Decane, 5-propyl-	460	J	13.9	ug/Kg
000629-62-9	Pentadecane	1100	J	14.3	ug/Kg

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007098-22-8	Tetratetracontane	430	J		14.9	ug/Kg
000544-76-3	Hexadecane	1300	J		15.3	ug/Kg
000593-49-7	Heptacosane	810	J		15.7	ug/Kg
000629-78-7	Heptadecane	1600	J		16.1	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	960	J		16.2	ug/Kg
000593-45-3	Octadecane	1400	J		17.0	ug/Kg
1000406-31-8	Eicosane, 1-iodo-	830	J		17.0	ug/Kg
000629-92-5	Nonadecane	1300	J		17.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	600	J		18.1	ug/Kg
055045-09-5	Tridecane, 7-propyl-	1100	J		18.4	ug/Kg
000629-94-7	Heneicosane	1000	J		19.1	ug/Kg
019218-94-1	Tetradecane, 1-iodo-	660	J		19.7	ug/Kg
055045-10-8	Tridecane, 6-propyl-	410	J		20.3	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