

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	06/13/25
Client Sample ID:	PL-01-06132025	SDG No.:	Q2323
Lab Sample ID:	Q2323-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.2
Sample Wt/Vol:	50.02	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
BP024969.D	10	06/16/25 09:20	06/16/25 20:27	PB168486

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.00	U	1.00	2.20	mg/Kg
108-95-2	Phenol	0.15	U	0.15	1.10	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.16	U	0.16	1.10	mg/Kg
95-57-8	2-Chlorophenol	0.16	U	0.16	1.10	mg/Kg
95-48-7	2-Methylphenol	0.20	U	0.20	1.10	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.25	U	0.25	1.10	mg/Kg
98-86-2	Acetophenone	0.20	U	0.20	1.10	mg/Kg
65794-96-9	3+4-Methylphenols	0.27	U	0.27	2.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.32	U	0.32	0.53	mg/Kg
67-72-1	Hexachloroethane	0.12	U	0.12	1.10	mg/Kg
98-95-3	Nitrobenzene	0.12	U	0.12	1.10	mg/Kg
78-59-1	Isophorone	0.22	U	0.22	1.10	mg/Kg
88-75-5	2-Nitrophenol	0.39	U	0.39	1.10	mg/Kg
105-67-9	2,4-Dimethylphenol	0.43	U	0.43	1.10	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.20	U	0.20	1.10	mg/Kg
120-83-2	2,4-Dichlorophenol	0.19	U	0.19	1.10	mg/Kg
91-20-3	Naphthalene	0.15	U	0.15	1.10	mg/Kg
106-47-8	4-Chloroaniline	0.24	U	0.24	1.10	mg/Kg
87-68-3	Hexachlorobutadiene	0.17	U	0.17	1.10	mg/Kg
105-60-2	Caprolactam	0.35	U	0.35	2.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.19	U	0.19	1.10	mg/Kg
91-57-6	2-Methylnaphthalene	0.17	U	0.17	1.10	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.77	U	0.77	2.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.13	U	0.13	1.10	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.19	U	0.19	1.10	mg/Kg
92-52-4	1,1-Biphenyl	0.14	U	0.14	1.10	mg/Kg
91-58-7	2-Chloronaphthalene	0.15	U	0.15	1.10	mg/Kg
88-74-4	2-Nitroaniline	0.32	U	0.32	1.10	mg/Kg
131-11-3	Dimethylphthalate	0.18	U	0.18	1.10	mg/Kg

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208-96-8	Acenaphthylene	0.19	U	0.19	1.10	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.22	U	0.22	1.10	mg/Kg
99-09-2	3-Nitroaniline	0.31	U	0.31	1.10	mg/Kg
83-32-9	Acenaphthene	0.60	J	0.14	1.10	mg/Kg
51-28-5	2,4-Dinitrophenol	1.50	U	1.50	2.20	mg/Kg
100-02-7	4-Nitrophenol	0.71	U	0.71	2.20	mg/Kg
132-64-9	Dibenzofuran	0.15	U	0.15	1.10	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.33	U	0.33	1.10	mg/Kg
84-66-2	Diethylphthalate	0.19	U	0.19	1.10	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.18	U	0.18	1.10	mg/Kg
86-73-7	Fluorene	0.79	J	0.17	1.10	mg/Kg
100-01-6	4-Nitroaniline	0.43	U	0.43	1.10	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.68	U	0.68	2.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.22	U	0.22	1.10	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.18	U	0.18	1.10	mg/Kg
118-74-1	Hexachlorobenzene	0.17	U	0.17	1.10	mg/Kg
1912-24-9	Atrazine	0.23	U	0.23	1.10	mg/Kg
87-86-5	Pentachlorophenol	0.34	U	0.34	2.20	mg/Kg
85-01-8	Phenanthrene	4.90		0.14	1.10	mg/Kg
120-12-7	Anthracene	2.20		0.22	1.10	mg/Kg
86-74-8	Carbazole	0.21	U	0.21	1.10	mg/Kg
84-74-2	Di-n-butylphthalate	0.32	U	0.32	1.10	mg/Kg
206-44-0	Fluoranthene	9.90		0.20	1.10	mg/Kg
129-00-0	Pyrene	8.50		0.24	1.10	mg/Kg
85-68-7	Butylbenzylphthalate	0.47	U	0.47	1.10	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.24	U	0.24	2.20	mg/Kg
56-55-3	Benzo(a)anthracene	5.10		0.15	1.10	mg/Kg
218-01-9	Chrysene	4.60		0.13	1.10	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.39	U	0.39	1.10	mg/Kg
117-84-0	Di-n-octyl phthalate	0.58	U	0.58	2.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	6.10		0.13	1.10	mg/Kg

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207-08-9	Benzo(k)fluoranthene	2.20		0.15	1.10	mg/Kg
50-32-8	Benzo(a)pyrene	4.90		0.20	1.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.50		0.19	1.10	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.86	J	0.18	1.10	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.90		0.17	1.10	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.17	U	0.17	1.10	mg/Kg
123-91-1	1,4-Dioxane	0.30	U	0.30	1.10	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.18	U	0.18	1.10	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	86.9		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	84.3		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.5		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.0		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.4		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	55.2		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	278000	7.613
1146-65-2	Naphthalene-d8	1130000	10.384
15067-26-2	Acenaphthene-d10	710000	14.254
1517-22-2	Phenanthrene-d10	1340000	17.066
1719-03-5	Chrysene-d12	1390000	21.495
1520-96-3	Perylene-d12	1670000	24.771

TENTATIVE IDENTIFIED COMPOUNDS

055045-11-9	Tridecane, 5-propyl-	510	J	16.0	ug/Kg
000132-65-0	Dibenzothiophene	690	J	16.9	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	540	J	18.0	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1200	J	18.0	ug/Kg
000610-48-0	Anthracene, 1-methyl-	510	J	18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1800	J	18.2	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	470	J	18.5	ug/Kg

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000243-17-4	11H-Benzo[b]fluorene	630	J		20.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	710	J		20.2	ug/Kg
002381-21-7	Pyrene, 1-methyl-	680	J		20.3	ug/Kg
000192-97-2	Benzo[e]pyrene	3200	J		24.5	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