

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Audubon Gas and Appliance Service MA00006789	Date Received:	04/24/25
Client Sample ID:	AU-6-042425	SDG No.:	Q1877
Lab Sample ID:	Q1877-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	50.09	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
BP024432.D	5	04/25/25 09:24	04/25/25 21:15	PB167739

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	0.50	1.10	mg/Kg
108-95-2	Phenol	0.54	U	0.071	0.54	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.54	U	0.078	0.54	mg/Kg
95-57-8	2-Chlorophenol	0.54	U	0.078	0.54	mg/Kg
95-48-7	2-Methylphenol	0.54	U	0.096	0.54	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.54	U	0.12	0.54	mg/Kg
98-86-2	Acetophenone	0.54	U	0.095	0.54	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	U	0.13	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.26	U	0.15	0.26	mg/Kg
67-72-1	Hexachloroethane	0.54	U	0.056	0.54	mg/Kg
98-95-3	Nitrobenzene	0.54	U	0.059	0.54	mg/Kg
78-59-1	Isophorone	0.54	U	0.11	0.54	mg/Kg
88-75-5	2-Nitrophenol	0.54	U	0.19	0.54	mg/Kg
105-67-9	2,4-Dimethylphenol	0.54	U	0.21	0.54	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.54	U	0.099	0.54	mg/Kg
120-83-2	2,4-Dichlorophenol	0.54	U	0.091	0.54	mg/Kg
91-20-3	Naphthalene	0.54	U	0.073	0.54	mg/Kg
106-47-8	4-Chloroaniline	0.54	U	0.11	0.54	mg/Kg
87-68-3	Hexachlorobutadiene	0.54	U	0.081	0.54	mg/Kg
105-60-2	Caprolactam	1.10	U	0.17	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.54	U	0.092	0.54	mg/Kg
91-57-6	2-Methylnaphthalene	0.54	U	0.082	0.54	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.37	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.54	U	0.063	0.54	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.54	U	0.093	0.54	mg/Kg
92-52-4	1,1-Biphenyl	0.54	U	0.070	0.54	mg/Kg
91-58-7	2-Chloronaphthalene	0.54	U	0.072	0.54	mg/Kg
88-74-4	2-Nitroaniline	0.54	U	0.15	0.54	mg/Kg
131-11-3	Dimethylphthalate	0.54	U	0.087	0.54	mg/Kg

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208-96-8	Acenaphthylene	0.54	U	0.093	0.54	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.54	U	0.11	0.54	mg/Kg
99-09-2	3-Nitroaniline	0.54	U	0.15	0.54	mg/Kg
83-32-9	Acenaphthene	0.54	U	0.068	0.54	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.73	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	U	0.34	1.10	mg/Kg
132-64-9	Dibenzofuran	0.54	U	0.073	0.54	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.54	U	0.16	0.54	mg/Kg
84-66-2	Diethylphthalate	0.54	U	0.091	0.54	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.54	U	0.086	0.54	mg/Kg
86-73-7	Fluorene	0.54	U	0.081	0.54	mg/Kg
100-01-6	4-Nitroaniline	0.54	U	0.21	0.54	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.33	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.54	U	0.11	0.54	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.54	U	0.089	0.54	mg/Kg
118-74-1	Hexachlorobenzene	0.54	U	0.081	0.54	mg/Kg
1912-24-9	Atrazine	0.54	U	0.11	0.54	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.16	1.10	mg/Kg
85-01-8	Phenanthrene	0.54	U	0.067	0.54	mg/Kg
120-12-7	Anthracene	0.54	U	0.11	0.54	mg/Kg
86-74-8	Carbazole	0.54	U	0.100	0.54	mg/Kg
84-74-2	Di-n-butylphthalate	0.54	U	0.15	0.54	mg/Kg
206-44-0	Fluoranthene	0.54	U	0.096	0.54	mg/Kg
129-00-0	Pyrene	0.54	U	0.12	0.54	mg/Kg
85-68-7	Butylbenzylphthalate	0.54	U	0.23	0.54	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.12	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.54	U	0.074	0.54	mg/Kg
218-01-9	Chrysene	0.54	U	0.064	0.54	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.54	U	0.19	0.54	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.28	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.54	U	0.061	0.54	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.54	U	0.072	0.54	mg/Kg
50-32-8	Benzo(a)pyrene	0.54	U	0.095	0.54	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.54	U	0.093	0.54	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.54	U	0.088	0.54	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.54	U	0.082	0.54	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.082	0.54	mg/Kg
123-91-1	1,4-Dioxane	0.54	U	0.14	0.54	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.54	U	0.088	0.54	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	98.0		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	91.7		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.5		18 - 107	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.3		20 - 109	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		10 - 116	76%	SPK: 150
1718-51-0	Terphenyl-d14	72.5		10 - 105	73%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	189000	7.716
1146-65-2	Naphthalene-d8	789000	10.493
15067-26-2	Acenaphthene-d10	483000	14.339
1517-22-2	Phenanthrene-d10	945000	17.133
1719-03-5	Chrysene-d12	1000000	21.569
1520-96-3	Perylene-d12	1190000	24.91

TENTATIVE IDENTIFIED COMPOUNDS

001120-21-4	Undecane	440	J	8.93	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	330	J	11.5	ug/Kg
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	370	J	11.7	ug/Kg
000629-50-5	Tridecane	800	J	11.9	ug/Kg
007524-63-2	Naphthalene, 1,2,3,4-tetrahydro-2,	390	J	12.4	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	390	J	12.9	ug/Kg
000629-59-4	Tetradecane	1100	J	13.2	ug/Kg

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021693-54-9	Naphthalene, 1,2,3,4-tetrahydro-5,	320	J		13.3	ug/Kg
003891-99-4	2,6,10-Trimethyltridecane	560	J		13.8	ug/Kg
000629-62-9	Pentadecane	1300	J		14.2	ug/Kg
001560-78-7	2-Methyltetracosane	360	J		14.9	ug/Kg
000544-76-3	Hexadecane	1300	J		15.2	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	630	J		15.6	ug/Kg
001560-97-0	Dodecane, 2-methyl-	1400	J		16.1	ug/Kg
000629-78-7	Heptadecane	1200	J		16.9	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	600	J		17.0	ug/Kg
000629-94-7	Heneicosane	970	J		17.7	ug/Kg
013187-99-0	2-Bromo dodecane	840	J		18.4	ug/Kg
000112-95-8	Eicosane	680	J		19.0	ug/Kg
000593-45-3	Octadecane	440	J		19.6	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