

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Aubudon Gas District	Date Received:	04/24/25
Client Sample ID:	AUD-25-0053	SDG No.:	Q1875
Lab Sample ID:	Q1875-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024431.D	5	04/25/25 09:24	04/25/25 20:34	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	0.55	U	0.071	0.55	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.55	U	0.078	0.55	mg/Kg
95-57-8	2-Chlorophenol	0.55	U	0.078	0.55	mg/Kg
95-48-7	2-Methylphenol	0.55	U	0.096	0.55	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.55	U	0.12	0.55	mg/Kg
98-86-2	Acetophenone	0.55	U	0.095	0.55	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	0.55	U	0.056	0.55	mg/Kg
98-95-3	Nitrobenzene	0.55	U	0.059	0.55	mg/Kg
78-59-1	Isophorone	0.55	U	0.11	0.55	mg/Kg
88-75-5	2-Nitrophenol	0.55	U	0.19	0.55	mg/Kg
105-67-9	2,4-Dimethylphenol	0.55	U	0.21	0.55	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.55	U	0.099	0.55	mg/Kg
120-83-2	2,4-Dichlorophenol	0.55	U	0.091	0.55	mg/Kg
91-20-3	Naphthalene	0.55	U	0.073	0.55	mg/Kg
106-47-8	4-Chloroaniline	0.55	U	0.11	0.55	mg/Kg
87-68-3	Hexachlorobutadiene	0.55	U	0.081	0.55	mg/Kg
105-60-2	Caprolactam	1.10	U	0.17	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.55	U	0.092	0.55	mg/Kg
91-57-6	2-Methylnaphthalene	0.55	U	0.082	0.55	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.37	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.55	U	0.064	0.55	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.55	U	0.093	0.55	mg/Kg
92-52-4	1,1-Biphenyl	0.55	U	0.070	0.55	mg/Kg
91-58-7	2-Chloronaphthalene	0.55	U	0.072	0.55	mg/Kg
88-74-4	2-Nitroaniline	0.55	U	0.15	0.55	mg/Kg
131-11-3	Dimethylphthalate	0.55	U	0.087	0.55	mg/Kg

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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 :
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208-96-8	Acenaphthylene	0.55	U	0.093	0.55	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.55	U	0.11	0.55	mg/Kg
99-09-2	3-Nitroaniline	0.55	U	0.15	0.55	mg/Kg
83-32-9	Acenaphthene	0.55	U	0.068	0.55	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	0.55	U	0.073	0.55	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.55	U	0.16	0.55	mg/Kg
84-66-2	Diethylphthalate	0.55	U	0.091	0.55	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.55	U	0.086	0.55	mg/Kg
86-73-7	Fluorene	0.55	U	0.081	0.55	mg/Kg
100-01-6	4-Nitroaniline	0.55	U	0.21	0.55	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.33	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.55	U	0.11	0.55	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.55	U	0.089	0.55	mg/Kg
118-74-1	Hexachlorobenzene	0.55	U	0.081	0.55	mg/Kg
1912-24-9	Atrazine	0.55	U	0.11	0.55	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.16	1.10	mg/Kg
85-01-8	Phenanthrene	0.55	U	0.067	0.55	mg/Kg
120-12-7	Anthracene	0.55	U	0.11	0.55	mg/Kg
86-74-8	Carbazole	0.55	U	0.10	0.55	mg/Kg
84-74-2	Di-n-butylphthalate	0.55	U	0.15	0.55	mg/Kg
206-44-0	Fluoranthene	0.55	U	0.096	0.55	mg/Kg
129-00-0	Pyrene	0.55	U	0.12	0.55	mg/Kg
85-68-7	Butylbenzylphthalate	0.55	U	0.23	0.55	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.12	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.55	U	0.074	0.55	mg/Kg
218-01-9	Chrysene	0.55	U	0.064	0.55	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.55	U	0.19	0.55	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.28	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.55	U	0.061	0.55	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.55	U	0.072	0.55	mg/Kg
50-32-8	Benzo(a)pyrene	0.55	U	0.095	0.55	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.55	U	0.093	0.55	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.55	U	0.088	0.55	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.55	U	0.082	0.55	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	0.082	0.55	mg/Kg
123-91-1	1,4-Dioxane	0.55	U	0.14	0.55	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.55	U	0.088	0.55	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.3		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	81.8		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.0		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.4		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	95.6		10 - 116	64%	SPK: 150
1718-51-0	Terphenyl-d14	57.3		10 - 105	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	158000	7.722
1146-65-2	Naphthalene-d8	638000	10.493
15067-26-2	Acenaphthene-d10	408000	14.345
1517-22-2	Phenanthrene-d10	884000	17.151
1719-03-5	Chrysene-d12	1010000	21.586
1520-96-3	Perylene-d12	1190000	24.933

TENTATIVE IDENTIFIED COMPOUNDS

018479-58-8	7-Octen-2-ol, 2,6-dimethyl-	740	J	8.50	ug/Kg
000078-70-6	Linalool	1200	J	8.95	ug/Kg
000149-57-5	Hexanoic acid, 2-ethyl-	28200	J	9.23	ug/Kg
000089-78-1	dl-Menthol	290	J	10.3	ug/Kg
	unknown10.781	610	J	10.8	ug/Kg
	unknown10.940	390	J	10.9	ug/Kg
045158-84-7	Undecanoic acid, 2-ethyl-	290	J	11.3	ug/Kg

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067398-39-4	Hydrazine, 1,1-diethyl-2-(1-methyl	410	J		11.4	ug/Kg
000099-94-5	Benzoic acid, 4-methyl-	400	J		11.4	ug/Kg
	unknown11.469	350	J		11.5	ug/Kg
000098-73-7	Benzoic acid, p-tert-butyl-	4400	J		14.2	ug/Kg
029878-31-7	1H-Benzotriazole, 4-methyl-	500	J		14.7	ug/Kg
000136-85-6	1H-Benzotriazole, 5-methyl-	460	J		15.1	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	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