284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	12/01/25
Project:	Audubon Gas and Appliance Service (AU)	Date Received:	12/01/25
Client Sample ID:	AU-05-12-1-2025	SDG No.:	Q3748
Lab Sample ID:	Q3748-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.6
Sample Wt/Vol:	50.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.22	U	1	0.10	0.22	mg/Kg	12/02/25 19:48	PB170788
108-95-2	Phenol	0.11	U	1	0.015	0.11	mg/Kg	12/02/25 19:48	PB170788
111-44-4	bis(2-Chloroethyl)ether	0.11	U	1	0.016	0.11	mg/Kg	12/02/25 19:48	PB170788
95-57-8	2-Chlorophenol	0.11	U	1	0.016	0.11	mg/Kg	12/02/25 19:48	PB170788
95-48-7	2-Methylphenol	0.11	U	1	0.020	0.11	mg/Kg	12/02/25 19:48	PB170788
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	1	0.025	0.11	mg/Kg	12/02/25 19:48	PB170788
98-86-2	Acetophenone	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
65794-96-9	3+4-Methylphenols	0.22	U	1	0.027	0.22	mg/Kg	12/02/25 19:48	PB170788
621-64-7	n-Nitroso-di-n-propylamine	0.052	U	1	0.031	0.052	mg/Kg	12/02/25 19:48	PB170788
67-72-1	Hexachloroethane	0.11	U	1	0.012	0.11	mg/Kg	12/02/25 19:48	PB170788
98-95-3	Nitrobenzene	0.11	U	1	0.012	0.11	mg/Kg	12/02/25 19:48	PB170788
78-59-1	Isophorone	0.11	U	1	0.021	0.11	mg/Kg	12/02/25 19:48	PB170788
88-75-5	2-Nitrophenol	0.11	U	1	0.038	0.11	mg/Kg	12/02/25 19:48	PB170788
105-67-9	2,4-Dimethylphenol	0.11	U	1	0.042	0.11	mg/Kg	12/02/25 19:48	PB170788
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	1	0.020	0.11	mg/Kg	12/02/25 19:48	PB170788
120-83-2	2,4-Dichlorophenol	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
91-20-3	Naphthalene	0.11	U	1	0.015	0.11	mg/Kg	12/02/25 19:48	PB170788
106-47-8	4-Chloroaniline	0.11	U	1	0.023	0.11	mg/Kg	12/02/25 19:48	PB170788
87-68-3	Hexachlorobutadiene	0.11	U	1	0.017	0.11	mg/Kg	12/02/25 19:48	PB170788
105-60-2	Caprolactam	0.22	U	1	0.034	0.22	mg/Kg	12/02/25 19:48	PB170788
59-50-7	4-Chloro-3-methylphenol	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
91-57-6	2-Methylnaphthalene	0.11	U	1	0.017	0.11	mg/Kg	12/02/25 19:48	PB170788
77-47-4	Hexachlorocyclopentadiene	0.22	U	1	0.076	0.22	mg/Kg	12/02/25 19:48	PB170788
88-06-2	2,4,6-Trichlorophenol	0.11	U	1	0.013	0.11	mg/Kg	12/02/25 19:48	PB170788
95-95-4	2,4,5-Trichlorophenol	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
92-52-4	1,1-Biphenyl	0.11	U	1	0.014	0.11	mg/Kg	12/02/25 19:48	PB170788
91-58-7	2-Chloronaphthalene	0.11	U	1	0.015	0.11	mg/Kg	12/02/25 19:48	PB170788
88-74-4	2-Nitroaniline	0.11	U	1	0.031	0.11	mg/Kg	12/02/25 19:48	PB170788
131-11-3	Dimethylphthalate	0.11	U	1	0.018	0.11	mg/Kg	12/02/25 19:48	PB170788
208-96-8	Acenaphthylene	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
606-20-2	2,6-Dinitrotoluene	0.11	U	1	0.022	0.11	mg/Kg	12/02/25 19:48	PB170788
99-09-2	3-Nitroaniline	0.11	U	1	0.030	0.11	mg/Kg	12/02/25 19:48	PB170788
83-32-9	Acenaphthene	0.11	U	1	0.014	0.11	mg/Kg	12/02/25 19:48	PB170788
51-28-5	2,4-Dinitrophenol	0.22	U	1	0.15	0.22	mg/Kg	12/02/25 19:48	PB170788
100-02-7	4-Nitrophenol	0.22	U	1	0.070	0.22	mg/Kg	12/02/25 19:48	PB170788
132-64-9	Dibenzofuran	0.11	U	1	0.015	0.11	mg/Kg	12/02/25 19:48	PB170788
121-14-2	2,4-Dinitrotoluene	0.11	U	1	0.033	0.11	mg/Kg	12/02/25 19:48	PB170788
84-66-2	Diethylphthalate	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	12/02/25 19:48	PB170788
86-73-7	Fluorene	0.11	U	1	0.017	0.11	mg/Kg	12/02/25 19:48	PB170788
100-01-6	4-Nitroaniline	0.11	U	1	0.042	0.11	mg/Kg	12/02/25 19:48	PB170788
534-52-1	4,6-Dinitro-2-methylphenol	0.22	U	1	0.067	0.22	mg/Kg	12/02/25 19:48	PB170788

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Project:	Audubon Gas and Appliance Service (AU)	Date Received:	12/01/25
Client Sample ID:	AU-05-12-1-2025	SDG No.:	Q3748
Lab Sample ID:	Q3748-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.6
Sample Wt/Vol:	50.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.11	U	1	0.022	0.11	mg/Kg	12/02/25 19:48	PB170788
101-55-3	4-Bromophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	12/02/25 19:48	PB170788
118-74-1	Hexachlorobenzene	0.11	U	1	0.017	0.11	mg/Kg	12/02/25 19:48	PB170788
1912-24-9	Atrazine	0.11	U	1	0.022	0.11	mg/Kg	12/02/25 19:48	PB170788
87-86-5	Pentachlorophenol	0.22	U	1	0.034	0.22	mg/Kg	12/02/25 19:48	PB170788
85-01-8	Phenanthrene	0.11	U	1	0.014	0.11	mg/Kg	12/02/25 19:48	PB170788
120-12-7	Anthracene	0.11	U	1	0.022	0.11	mg/Kg	12/02/25 19:48	PB170788
86-74-8	Carbazole	0.11	U	1	0.020	0.11	mg/Kg	12/02/25 19:48	PB170788
84-74-2	Di-n-butylphthalate	0.11	U	1	0.031	0.11	mg/Kg	12/02/25 19:48	PB170788
206-44-0	Fluoranthene	0.048	J	1	0.020	0.11	mg/Kg	12/02/25 19:48	PB170788
129-00-0	Pyrene	0.11	U	1	0.024	0.11	mg/Kg	12/02/25 19:48	PB170788
85-68-7	Butylbenzylphthalate	0.11	U	1	0.047	0.11	mg/Kg	12/02/25 19:48	PB170788
91-94-1	3,3-Dichlorobenzidine	0.22	U	1	0.024	0.22	mg/Kg	12/02/25 19:48	PB170788
56-55-3	Benzo(a)anthracene	0.11	U	1	0.015	0.11	mg/Kg	12/02/25 19:48	PB170788
218-01-9	Chrysene	0.11	U	1	0.013	0.11	mg/Kg	12/02/25 19:48	PB170788
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	1	0.039	0.11	mg/Kg	12/02/25 19:48	PB170788
117-84-0	Di-n-octyl phthalate	0.22	U	1	0.057	0.22	mg/Kg	12/02/25 19:48	PB170788
205-99-2	Benzo(b)fluoranthene	0.11	U	1	0.012	0.11	mg/Kg	12/02/25 19:48	PB170788
207-08-9	Benzo(k)fluoranthene	0.11	U	1	0.015	0.11	mg/Kg	12/02/25 19:48	PB170788
50-32-8	Benzo(a)pyrene	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	1	0.019	0.11	mg/Kg	12/02/25 19:48	PB170788
53-70-3	Dibenzo(a,h)anthracene	0.11	U	1	0.018	0.11	mg/Kg	12/02/25 19:48	PB170788
191-24-2	Benzo(g,h,i)perylene	0.11	U	1	0.017	0.11	mg/Kg	12/02/25 19:48	PB170788
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	1	0.017	0.11	mg/Kg	12/02/25 19:48	PB170788
123-91-1	1,4-Dioxane	0.11	U	1	0.030	0.11	mg/Kg	12/02/25 19:48	PB170788
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	1	0.018	0.11	mg/Kg	12/02/25 19:48	PB170788
SURROGATES									
367-12-4	2-Fluorophenol	76.9			10 - 105	51%	SPK: 150		
13127-88-3	Phenol-d6	74.3			10 - 103	50%	SPK: 150		
4165-60-0	Nitrobenzene-d5	51.0			10 - 108	51%	SPK: 100		
321-60-8	2-Fluorobiphenyl	56.5			10 - 108	57%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	75.2			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	48.6			10 - 109	49%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	37300							
1146-65-2	Naphthalene-d8	131000							
15067-26-2	Acenaphthene-d10	65400							
1517-22-2	Phenanthrene-d10	124000							
1719-03-5	Chrysene-d12	109000							
1520-96-3	Perylene-d12	85300							
TENTATIVE IDENTIFIED COMPOUNDS									
000544-76-3	Hexadecane	300	J			8.73	ug/Kg		
000629-59-4	Tetradecane	400	J			9.29	ug/Kg		

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Project:	Audubon Gas and Appliance Service (AU)			Date Received:	12/01/25
Client Sample ID:	AU-05-12-1-2025			SDG No.:	Q3748
Lab Sample ID:	Q3748-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.6
Sample Wt/Vol:	50.09 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003891-99-4	2,6,10-Trimethyltridecane	290	J			9.61	ug/Kg		
000629-62-9	Pentadecane	400	J			9.82	ug/Kg		
000112-40-3	Dodecane	120	J			10.1	ug/Kg		
013151-34-3	Decane, 3-methyl-	420	J			10.3	ug/Kg		
000119-61-9	Benzophenone	160	J			10.6	ug/Kg		
006418-43-5	Hexadecane, 3-methyl-	470	J			10.8	ug/Kg		
000593-45-3	Octadecane	220	J			11.3	ug/Kg		
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	160	J			11.3	ug/Kg		
000593-49-7	Heptacosane	170	J			11.7	ug/Kg		
000057-10-3	n-Hexadecanoic acid	270	J			11.9	ug/Kg		
055045-08-4	Dodecane, 2-methyl-6-propyl-	150	J			12.1	ug/Kg		
000629-78-7	Heptadecane	120	J			12.5	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