

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25		
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	03/04/25		
Client Sample ID:	OR-03-030425	SDG No.:	Q1482		
Lab Sample ID:	Q1482-01	Matrix:	SOIL		
Analytical Method:	SW8270	% Solid:	90.8		
Sample Wt/Vol:	50.04	Units:	g		
Soil Aliquot Vol:			uL		
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
BF141856.D	5	03/05/25 09:40	03/05/25 21:20	PB166984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.60	U	0.60	1.10	mg/Kg
108-95-2	Phenol	0.27	U	0.27	0.56	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	0.56	mg/Kg
95-57-8	2-Chlorophenol	0.28	U	0.28	0.56	mg/Kg
95-48-7	2-Methylphenol	0.27	U	0.27	0.56	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.30	U	0.30	0.56	mg/Kg
98-86-2	Acetophenone	0.29	U	0.29	0.56	mg/Kg
65794-96-9	3+4-Methylphenols	0.26	U	0.26	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.13	U	0.13	0.26	mg/Kg
67-72-1	Hexachloroethane	0.27	U	0.27	0.56	mg/Kg
98-95-3	Nitrobenzene	0.30	U	0.30	0.56	mg/Kg
78-59-1	Isophorone	0.28	U	0.28	0.56	mg/Kg
88-75-5	2-Nitrophenol	0.31	U	0.31	0.56	mg/Kg
105-67-9	2,4-Dimethylphenol	0.31	U	0.31	0.56	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.28	U	0.28	0.56	mg/Kg
120-83-2	2,4-Dichlorophenol	0.25	U	0.25	0.56	mg/Kg
91-20-3	Naphthalene	0.27	U	0.27	0.56	mg/Kg
106-47-8	4-Chloroaniline	0.27	U	0.27	0.56	mg/Kg
87-68-3	Hexachlorobutadiene	0.28	U	0.28	0.56	mg/Kg
105-60-2	Caprolactam	0.29	U	0.29	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.26	U	0.26	0.56	mg/Kg
91-57-6	2-Methylnaphthalene	0.27	U	0.27	0.56	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.52	U	0.52	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.24	U	0.24	0.56	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.24	U	0.24	0.56	mg/Kg
92-52-4	1,1-Biphenyl	0.29	U	0.29	0.56	mg/Kg
91-58-7	2-Chloronaphthalene	0.28	U	0.28	0.56	mg/Kg
88-74-4	2-Nitroaniline	0.31	U	0.31	0.56	mg/Kg
131-11-3	Dimethylphthalate	0.27	U	0.27	0.56	mg/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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208-96-8	Acenaphthylene	0.29	U	0.29	0.56	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.27	U	0.27	0.56	mg/Kg
99-09-2	3-Nitroaniline	0.29	U	0.29	0.56	mg/Kg
83-32-9	Acenaphthene	0.27	U	0.27	0.56	mg/Kg
51-28-5	2,4-Dinitrophenol	0.80	U	0.80	1.10	mg/Kg
100-02-7	4-Nitrophenol	0.38	U	0.38	1.10	mg/Kg
132-64-9	Dibenzofuran	0.28	U	0.28	0.56	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.28	U	0.28	0.56	mg/Kg
84-66-2	Diethylphthalate	0.26	U	0.26	0.56	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.28	U	0.28	0.56	mg/Kg
86-73-7	Fluorene	0.28	U	0.28	0.56	mg/Kg
100-01-6	4-Nitroaniline	0.35	U	0.35	0.56	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.39	U	0.39	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.27	U	0.27	0.56	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	0.56	mg/Kg
118-74-1	Hexachlorobenzene	0.28	U	0.28	0.56	mg/Kg
1912-24-9	Atrazine	0.30	U	0.30	0.56	mg/Kg
87-86-5	Pentachlorophenol	0.26	U	0.26	1.10	mg/Kg
85-01-8	Phenanthrene	0.28	U	0.28	0.56	mg/Kg
120-12-7	Anthracene	0.28	U	0.28	0.56	mg/Kg
86-74-8	Carbazole	0.27	U	0.27	0.56	mg/Kg
84-74-2	Di-n-butylphthalate	0.28	U	0.28	0.56	mg/Kg
206-44-0	Fluoranthene	0.61		0.27	0.56	mg/Kg
129-00-0	Pyrene	0.40	J	0.27	0.56	mg/Kg
85-68-7	Butylbenzylphthalate	0.32	U	0.32	0.56	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.33	U	0.33	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.27	J	0.27	0.56	mg/Kg
218-01-9	Chrysene	0.26	U	0.26	0.56	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.30	U	0.30	0.56	mg/Kg
117-84-0	Di-n-octyl phthalate	0.36	U	0.36	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.30	J	0.27	0.56	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.27	U	0.27	0.56	mg/Kg
50-32-8	Benzo(a)pyrene	0.31	U	0.31	0.56	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.26	U	0.26	0.56	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.27	U	0.27	0.56	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.26	U	0.26	0.56	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.29	U	0.29	0.56	mg/Kg
123-91-1	1,4-Dioxane	0.36	U	0.36	0.56	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.25	U	0.25	0.56	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.9		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	82.8		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.3		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.3		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.8		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	52.2		10 - 105	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	154000	6.887			
1146-65-2	Naphthalene-d8	552000	8.163			
15067-26-2	Acenaphthene-d10	245000	9.916			
1517-22-2	Phenanthrene-d10	403000	11.404			
1719-03-5	Chrysene-d12	369000	14.039			
1520-96-3	Perylene-d12	257000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	930	J		2.13	ug/Kg

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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