

Report of Analysis

Client:	PSEG	Date Collected:	07/15/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/15/25
Client Sample ID:	OR-02-071525	SDG No.:	Q2612
Lab Sample ID:	Q2612-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
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 :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025182.D	1	07/16/25 09:05	07/17/25 17:44	PB168875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.11	U	0.11	0.23	mg/Kg
108-95-2	Phenol	0.016	U	0.016	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.017	U	0.017	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.017	U	0.017	0.12	mg/Kg
95-48-7	2-Methylphenol	0.021	U	0.021	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.026	U	0.026	0.12	mg/Kg
98-86-2	Acetophenone	0.021	U	0.021	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.029	U	0.029	0.23	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.033	U	0.033	0.056	mg/Kg
67-72-1	Hexachloroethane	0.012	U	0.012	0.12	mg/Kg
98-95-3	Nitrobenzene	0.013	U	0.013	0.12	mg/Kg
78-59-1	Isophorone	0.023	U	0.023	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.041	U	0.041	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.046	U	0.046	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.022	U	0.022	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.020	U	0.020	0.12	mg/Kg
91-20-3	Naphthalene	0.016	U	0.016	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.025	U	0.025	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.018	U	0.018	0.12	mg/Kg
105-60-2	Caprolactam	0.037	U	0.037	0.23	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.020	U	0.020	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.018	U	0.018	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.082	U	0.082	0.23	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.014	U	0.014	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.021	U	0.021	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.015	U	0.015	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.016	U	0.016	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.034	U	0.034	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.019	U	0.019	0.12	mg/Kg

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208-96-8	Acenaphthylene	0.020	U	0.020	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.024	U	0.024	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.032	U	0.032	0.12	mg/Kg
83-32-9	Acenaphthene	0.015	U	0.015	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.16	U	0.16	0.23	mg/Kg
100-02-7	4-Nitrophenol	0.076	U	0.076	0.23	mg/Kg
132-64-9	Dibenzofuran	0.016	U	0.016	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.035	U	0.035	0.12	mg/Kg
84-66-2	Diethylphthalate	0.020	U	0.020	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.019	U	0.019	0.12	mg/Kg
86-73-7	Fluorene	0.018	U	0.018	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.045	U	0.045	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.073	U	0.073	0.23	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.023	U	0.023	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.020	U	0.020	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.018	U	0.018	0.12	mg/Kg
1912-24-9	Atrazine	0.024	U	0.024	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.036	U	0.036	0.23	mg/Kg
85-01-8	Phenanthrene	0.053	J	0.015	0.12	mg/Kg
120-12-7	Anthracene	0.024	U	0.024	0.12	mg/Kg
86-74-8	Carbazole	0.022	U	0.022	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.034	U	0.034	0.12	mg/Kg
206-44-0	Fluoranthene	0.14		0.021	0.12	mg/Kg
129-00-0	Pyrene	0.26		0.025	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.050	U	0.050	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.026	U	0.026	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	0.11	J	0.016	0.12	mg/Kg
218-01-9	Chrysene	0.17		0.014	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.042	U	0.042	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.061	U	0.061	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.12		0.013	0.12	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.016	U	0.016	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	0.13		0.021	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.051	J	0.021	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.019	U	0.019	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.068	J	0.018	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.018	U	0.018	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.032	U	0.032	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.019	U	0.019	0.12	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	97.9		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.1		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.5		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	63.5		10 - 105	63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	475000	7.437
1146-65-2	Naphthalene-d8	1920000	10.19
15067-26-2	Acenaphthene-d10	1250000	14.101
1517-22-2	Phenanthrene-d10	2520000	16.919
1719-03-5	Chrysene-d12	2700000	21.348
1520-96-3	Perylene-d12	3810000	24.507

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A	4.66	ug/Kg
000119-61-9	Benzophenone	180	J	15.5	ug/Kg
1000486-97-7	2,4,2,4-Tetramethyl-biphenyl	120	J	15.9	ug/Kg
1000326-01-2	2,4-Dimethylcarbazole	110	J	16.4	ug/Kg
1000400-89-0	benzene, 1,1-(1-methylethylidene)	63.0	J	16.5	ug/Kg
	unknown16.648	60.7	J	16.6	ug/Kg
078787-84-5	Carbazole, 1,5,7-trimethyl-	160	J	16.7	ug/Kg

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078787-89-0	Carbazole, 2,4,7-trimethyl-	110	J		17.1	ug/Kg
001742-14-9	Benzene, 1,1-ethylidenebis[3,4-di	130	J		17.2	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		17.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	69.4	J		18.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	63.7	J		18.8	ug/Kg
002381-21-7	Pyrene, 1-methyl-	53.1	J		20.1	ug/Kg
003442-78-2	Pyrene, 2-methyl-	60.2	J		20.3	ug/Kg
003353-12-6	Pyrene, 4-methyl-	60.2	J		20.3	ug/Kg
097825-91-7	9-Anthracenamine, 9,10-dihydro-	120	J		20.5	ug/Kg
1010151-39-2	Anthracene, 9-butyl-1,2,3,4-tetra	130	J		20.7	ug/Kg
1000473-68-2	N,N-Dimethyl-3-((trimethylsilyl)ox	59.0	J		20.9	ug/Kg
1000130-97-9	E-15-Heptadecenal	63.0	J		21.1	ug/Kg
	unknown22.313	110	J		22.3	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