

Report of Analysis

Client:	PSEG	Date Collected:	07/31/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/31/25
Client Sample ID:	OR-02-07312025DL	SDG No.:	Q2740
Lab Sample ID:	Q2740-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
Sample Wt/Vol:	50.08 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
BF143302.D	5	08/04/25 09:20	08/04/25 18:03	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.49	UD	0.49	1.00	mg/Kg
108-95-2	Phenol	0.070	UD	0.070	0.54	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.077	UD	0.077	0.54	mg/Kg
95-57-8	2-Chlorophenol	0.077	UD	0.077	0.54	mg/Kg
95-48-7	2-Methylphenol	0.095	UD	0.095	0.54	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	UD	0.12	0.54	mg/Kg
98-86-2	Acetophenone	0.093	UD	0.093	0.54	mg/Kg
65794-96-9	3+4-Methylphenols	0.13	UD	0.13	1.00	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.15	UD	0.15	0.25	mg/Kg
67-72-1	Hexachloroethane	0.056	UD	0.056	0.54	mg/Kg
98-95-3	Nitrobenzene	0.058	UD	0.058	0.54	mg/Kg
78-59-1	Isophorone	0.10	UD	0.10	0.54	mg/Kg
88-75-5	2-Nitrophenol	0.18	UD	0.18	0.54	mg/Kg
105-67-9	2,4-Dimethylphenol	0.21	UD	0.21	0.54	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.098	UD	0.098	0.54	mg/Kg
120-83-2	2,4-Dichlorophenol	0.090	UD	0.090	0.54	mg/Kg
91-20-3	Naphthalene	0.072	UD	0.072	0.54	mg/Kg
106-47-8	4-Chloroaniline	0.11	UD	0.11	0.54	mg/Kg
87-68-3	Hexachlorobutadiene	0.080	UD	0.080	0.54	mg/Kg
105-60-2	Caprolactam	0.16	UD	0.16	1.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.091	UD	0.091	0.54	mg/Kg
91-57-6	2-Methylnaphthalene	0.081	UD	0.081	0.54	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.37	UD	0.37	1.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.063	UD	0.063	0.54	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.092	UD	0.092	0.54	mg/Kg
92-52-4	1,1-Biphenyl	0.069	UD	0.069	0.54	mg/Kg
91-58-7	2-Chloronaphthalene	0.071	UD	0.071	0.54	mg/Kg
88-74-4	2-Nitroaniline	0.15	UD	0.15	0.54	mg/Kg
131-11-3	Dimethylphthalate	0.086	UD	0.086	0.54	mg/Kg

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208-96-8	Acenaphthylene	0.092	UD	0.092	0.54	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.11	UD	0.11	0.54	mg/Kg
99-09-2	3-Nitroaniline	0.15	UD	0.15	0.54	mg/Kg
83-32-9	Acenaphthene	0.067	UD	0.067	0.54	mg/Kg
51-28-5	2,4-Dinitrophenol	0.73	UD	0.73	1.00	mg/Kg
100-02-7	4-Nitrophenol	0.34	UD	0.34	1.00	mg/Kg
132-64-9	Dibenzofuran	0.072	UD	0.072	0.54	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.16	UD	0.16	0.54	mg/Kg
84-66-2	Diethylphthalate	0.090	UD	0.090	0.54	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.085	UD	0.085	0.54	mg/Kg
86-73-7	Fluorene	0.27	JD	0.080	0.54	mg/Kg
100-01-6	4-Nitroaniline	0.20	UD	0.20	0.54	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.33	UD	0.33	1.00	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.10	UD	0.10	0.54	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.088	UD	0.088	0.54	mg/Kg
118-74-1	Hexachlorobenzene	0.080	UD	0.080	0.54	mg/Kg
1912-24-9	Atrazine	0.11	UD	0.11	0.54	mg/Kg
87-86-5	Pentachlorophenol	0.16	UD	0.16	1.00	mg/Kg
85-01-8	Phenanthrene	1.40	D	0.066	0.54	mg/Kg
120-12-7	Anthracene	0.42	JD	0.11	0.54	mg/Kg
86-74-8	Carbazole	0.099	UD	0.099	0.54	mg/Kg
84-74-2	Di-n-butylphthalate	0.15	UD	0.15	0.54	mg/Kg
206-44-0	Fluoranthene	2.60	D	0.095	0.54	mg/Kg
129-00-0	Pyrene	1.40	D	0.11	0.54	mg/Kg
85-68-7	Butylbenzylphthalate	0.23	UD	0.23	0.54	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.12	UD	0.12	1.00	mg/Kg
56-55-3	Benzo(a)anthracene	0.93	D	0.073	0.54	mg/Kg
218-01-9	Chrysene	0.79	D	0.063	0.54	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	UD	0.19	0.54	mg/Kg
117-84-0	Di-n-octyl phthalate	0.27	UD	0.27	1.00	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.20	D	0.060	0.54	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.47	JD	0.071	0.54	mg/Kg
50-32-8	Benzo(a)pyrene	0.92	D	0.093	0.54	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.36	JD	0.092	0.54	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.087	UD	0.087	0.54	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.44	JD	0.081	0.54	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.081	UD	0.081	0.54	mg/Kg
123-91-1	1,4-Dioxane	0.14	UD	0.14	0.54	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.087	UD	0.087	0.54	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	54.8		18 - 112	37%	SPK: 150
13127-88-3	Phenol-d6	52.2		15 - 107	35%	SPK: 150
4165-60-0	Nitrobenzene-d5	35.8		18 - 107	36%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.6		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	49.1		10 - 116	33%	SPK: 150
1718-51-0	Terphenyl-d14	31.2		10 - 105	31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	107000	6.963
1146-65-2	Naphthalene-d8	367000	8.239
15067-26-2	Acenaphthene-d10	162000	9.998
1517-22-2	Phenanthrene-d10	273000	11.48
1719-03-5	Chrysene-d12	282000	14.127
1520-96-3	Perylene-d12	225000	15.633

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