

Report of Analysis

Client:	PSEG	Date Collected:	06/30/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	06/30/25
Client Sample ID:	OR-3-063025	SDG No.:	Q2464
Lab Sample ID:	Q2464-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	97.1
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
BF142960.D	5	07/01/25 09:30	07/01/25 20:33	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.48	U	0.48	1.00	mg/Kg
108-95-2	Phenol	0.068	U	0.068	0.52	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.075	U	0.075	0.52	mg/Kg
95-57-8	2-Chlorophenol	0.075	U	0.075	0.52	mg/Kg
95-48-7	2-Methylphenol	0.092	U	0.092	0.52	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	0.12	0.52	mg/Kg
98-86-2	Acetophenone	0.091	U	0.091	0.52	mg/Kg
65794-96-9	3+4-Methylphenols	0.13	U	0.13	1.00	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.15	U	0.15	0.25	mg/Kg
67-72-1	Hexachloroethane	0.054	U	0.054	0.52	mg/Kg
98-95-3	Nitrobenzene	0.056	U	0.056	0.52	mg/Kg
78-59-1	Isophorone	0.10	U	0.10	0.52	mg/Kg
88-75-5	2-Nitrophenol	0.18	U	0.18	0.52	mg/Kg
105-67-9	2,4-Dimethylphenol	0.20	U	0.20	0.52	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.095	U	0.095	0.52	mg/Kg
120-83-2	2,4-Dichlorophenol	0.087	U	0.087	0.52	mg/Kg
91-20-3	Naphthalene	0.070	U	0.070	0.52	mg/Kg
106-47-8	4-Chloroaniline	0.11	U	0.11	0.52	mg/Kg
87-68-3	Hexachlorobutadiene	0.078	U	0.078	0.52	mg/Kg
105-60-2	Caprolactam	0.16	U	0.16	1.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.089	U	0.089	0.52	mg/Kg
91-57-6	2-Methylnaphthalene	0.079	U	0.079	0.52	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.36	U	0.36	1.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.061	U	0.061	0.52	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.090	U	0.090	0.52	mg/Kg
92-52-4	1,1-Biphenyl	0.067	U	0.067	0.52	mg/Kg
91-58-7	2-Chloronaphthalene	0.069	U	0.069	0.52	mg/Kg
88-74-4	2-Nitroaniline	0.15	U	0.15	0.52	mg/Kg
131-11-3	Dimethylphthalate	0.084	U	0.084	0.52	mg/Kg

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208-96-8	Acenaphthylene	0.089	U	0.089	0.52	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.52	mg/Kg
99-09-2	3-Nitroaniline	0.14	U	0.14	0.52	mg/Kg
83-32-9	Acenaphthene	0.066	U	0.066	0.52	mg/Kg
51-28-5	2,4-Dinitrophenol	0.71	U	0.71	1.00	mg/Kg
100-02-7	4-Nitrophenol	0.33	U	0.33	1.00	mg/Kg
132-64-9	Dibenzofuran	0.070	U	0.070	0.52	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.15	U	0.15	0.52	mg/Kg
84-66-2	Diethylphthalate	0.087	U	0.087	0.52	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.082	U	0.082	0.52	mg/Kg
86-73-7	Fluorene	0.078	U	0.078	0.52	mg/Kg
100-01-6	4-Nitroaniline	0.20	U	0.20	0.52	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.32	U	0.32	1.00	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.10	U	0.10	0.52	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.086	U	0.086	0.52	mg/Kg
118-74-1	Hexachlorobenzene	0.078	U	0.078	0.52	mg/Kg
1912-24-9	Atrazine	0.10	U	0.10	0.52	mg/Kg
87-86-5	Pentachlorophenol	0.16	U	0.16	1.00	mg/Kg
85-01-8	Phenanthrene	1.00		0.065	0.52	mg/Kg
120-12-7	Anthracene	0.32	J	0.10	0.52	mg/Kg
86-74-8	Carbazole	0.096	U	0.096	0.52	mg/Kg
84-74-2	Di-n-butylphthalate	0.15	U	0.15	0.52	mg/Kg
206-44-0	Fluoranthene	3.90		0.093	0.52	mg/Kg
129-00-0	Pyrene	2.30		0.11	0.52	mg/Kg
85-68-7	Butylbenzylphthalate	0.22	U	0.22	0.52	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.11	U	0.11	1.00	mg/Kg
56-55-3	Benzo(a)anthracene	1.40		0.071	0.52	mg/Kg
218-01-9	Chrysene	1.30		0.061	0.52	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	0.52	mg/Kg
117-84-0	Di-n-octyl phthalate	0.27	U	0.27	1.00	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.80		0.059	0.52	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.62		0.069	0.52	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.091	0.52	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.55		0.090	0.52	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.085	U	0.085	0.52	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.63		0.079	0.52	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.079	U	0.079	0.52	mg/Kg
123-91-1	1,4-Dioxane	0.14	U	0.14	0.52	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.085	U	0.085	0.52	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	69.3		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	65.4		15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.5		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.0		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.9		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	49.1		10 - 105	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	38900	6.875
1146-65-2	Naphthalene-d8	136000	8.157
15067-26-2	Acenaphthene-d10	72600	9.916
1517-22-2	Phenanthrene-d10	146000	11.404
1719-03-5	Chrysene-d12	116000	14.051
1520-96-3	Perylene-d12	90000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000613-12-7	Anthracene, 2-methyl-	300	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	510	J	12.0	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	230	J	12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	230	J	13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	280	J	13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	780	J	15.4	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