

Report of Analysis

Client: PSEG
Project: Oradell Gas and Appliance Service (OR)
Client Sample ID: OR-02-111425DL
Lab Sample ID: Q3648-01DL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/17/25

Date Collected: 11/14/25
Date Received: 11/14/25
SDG No.: Q3648
Matrix: SOIL
% Solid: 90.5
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2.60	UD	25	2.60	5.50	mg/Kg	11/17/25 17:58	PB170576
108-95-2	Phenol	0.37	UD	25	0.37	2.80	mg/Kg	11/17/25 17:58	PB170576
111-44-4	bis(2-Chloroethyl)ether	0.40	UD	25	0.40	2.80	mg/Kg	11/17/25 17:58	PB170576
95-57-8	2-Chlorophenol	0.40	UD	25	0.40	2.80	mg/Kg	11/17/25 17:58	PB170576
95-48-7	2-Methylphenol	0.49	UD	25	0.49	2.80	mg/Kg	11/17/25 17:58	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	0.62	UD	25	0.62	2.80	mg/Kg	11/17/25 17:58	PB170576
98-86-2	Acetophenone	0.49	UD	25	0.49	2.80	mg/Kg	11/17/25 17:58	PB170576
65794-96-9	3+4-Methylphenols	0.68	UD	25	0.68	5.50	mg/Kg	11/17/25 17:58	PB170576
621-64-7	n-Nitroso-di-n-propylamine	0.78	UD	25	0.78	1.30	mg/Kg	11/17/25 17:58	PB170576
67-72-1	Hexachloroethane	0.29	UD	25	0.29	2.80	mg/Kg	11/17/25 17:58	PB170576
98-95-3	Nitrobenzene	0.30	UD	25	0.30	2.80	mg/Kg	11/17/25 17:58	PB170576
78-59-1	Isophorone	0.54	UD	25	0.54	2.80	mg/Kg	11/17/25 17:58	PB170576
88-75-5	2-Nitrophenol	0.96	UD	25	0.96	2.80	mg/Kg	11/17/25 17:58	PB170576
105-67-9	2,4-Dimethylphenol	1.10	UD	25	1.10	2.80	mg/Kg	11/17/25 17:58	PB170576
111-91-1	bis(2-Chloroethoxy)methane	0.51	UD	25	0.51	2.80	mg/Kg	11/17/25 17:58	PB170576
120-83-2	2,4-Dichlorophenol	0.47	UD	25	0.47	2.80	mg/Kg	11/17/25 17:58	PB170576
91-20-3	Naphthalene	1.80	JD	25	0.38	2.80	mg/Kg	11/17/25 17:58	PB170576
106-47-8	4-Chloroaniline	0.59	UD	25	0.59	2.80	mg/Kg	11/17/25 17:58	PB170576
87-68-3	Hexachlorobutadiene	0.42	UD	25	0.42	2.80	mg/Kg	11/17/25 17:58	PB170576
105-60-2	Caprolactam	0.86	UD	25	0.86	5.50	mg/Kg	11/17/25 17:58	PB170576
59-50-7	4-Chloro-3-methylphenol	0.48	UD	25	0.48	2.80	mg/Kg	11/17/25 17:58	PB170576
91-57-6	2-Methylnaphthalene	1.40	JD	25	0.42	2.80	mg/Kg	11/17/25 17:58	PB170576
77-47-4	Hexachlorocyclopentadiene	1.90	UD	25	1.90	5.50	mg/Kg	11/17/25 17:58	PB170576
88-06-2	2,4,6-Trichlorophenol	0.33	UD	25	0.33	2.80	mg/Kg	11/17/25 17:58	PB170576
95-95-4	2,4,5-Trichlorophenol	0.48	UD	25	0.48	2.80	mg/Kg	11/17/25 17:58	PB170576
92-52-4	1,1-Biphenyl	0.36	UD	25	0.36	2.80	mg/Kg	11/17/25 17:58	PB170576
91-58-7	2-Chloronaphthalene	0.37	UD	25	0.37	2.80	mg/Kg	11/17/25 17:58	PB170576
88-74-4	2-Nitroaniline	0.80	UD	25	0.80	2.80	mg/Kg	11/17/25 17:58	PB170576
131-11-3	Dimethylphthalate	0.45	UD	25	0.45	2.80	mg/Kg	11/17/25 17:58	PB170576
208-96-8	Acenaphthylene	0.48	UD	25	0.48	2.80	mg/Kg	11/17/25 17:58	PB170576
606-20-2	2,6-Dinitrotoluene	0.56	UD	25	0.56	2.80	mg/Kg	11/17/25 17:58	PB170576
99-09-2	3-Nitroaniline	0.76	UD	25	0.76	2.80	mg/Kg	11/17/25 17:58	PB170576
83-32-9	Acenaphthene	2.80	D	25	0.35	2.80	mg/Kg	11/17/25 17:58	PB170576
51-28-5	2,4-Dinitrophenol	3.80	UD	25	3.80	5.50	mg/Kg	11/17/25 17:58	PB170576
100-02-7	4-Nitrophenol	1.80	UD	25	1.80	5.50	mg/Kg	11/17/25 17:58	PB170576
132-64-9	Dibenzofuran	2.30	JD	25	0.38	2.80	mg/Kg	11/17/25 17:58	PB170576
121-14-2	2,4-Dinitrotoluene	0.83	UD	25	0.83	2.80	mg/Kg	11/17/25 17:58	PB170576
84-66-2	Diethylphthalate	0.47	UD	25	0.47	2.80	mg/Kg	11/17/25 17:58	PB170576
7005-72-3	4-Chlorophenyl-phenylether	0.44	UD	25	0.44	2.80	mg/Kg	11/17/25 17:58	PB170576
86-73-7	Fluorene	5.00	D	25	0.42	2.80	mg/Kg	11/17/25 17:58	PB170576
100-01-6	4-Nitroaniline	1.10	UD	25	1.10	2.80	mg/Kg	11/17/25 17:58	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	1.70	UD	25	1.70	5.50	mg/Kg	11/17/25 17:58	PB170576

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Sample Wt/Vol: 50.06 g Final Vol: 1000 uL
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SDG No.: Q3648
Matrix: SOIL
% Solid: 90.5
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.54	UD	25	0.54	2.80	mg/Kg	11/17/25 17:58	PB170576
101-55-3	4-Bromophenyl-phenylether	0.46	UD	25	0.46	2.80	mg/Kg	11/17/25 17:58	PB170576
118-74-1	Hexachlorobenzene	0.42	UD	25	0.42	2.80	mg/Kg	11/17/25 17:58	PB170576
1912-24-9	Atrazine	0.56	UD	25	0.56	2.80	mg/Kg	11/17/25 17:58	PB170576
87-86-5	Pentachlorophenol	0.85	UD	25	0.85	5.50	mg/Kg	11/17/25 17:58	PB170576
85-01-8	Phenanthrene	24.9	D	25	0.35	2.80	mg/Kg	11/17/25 17:58	PB170576
120-12-7	Anthracene	8.00	D	25	0.55	2.80	mg/Kg	11/17/25 17:58	PB170576
86-74-8	Carbazole	1.70	JD	25	0.52	2.80	mg/Kg	11/17/25 17:58	PB170576
84-74-2	Di-n-butylphthalate	0.79	UD	25	0.79	2.80	mg/Kg	11/17/25 17:58	PB170576
206-44-0	Fluoranthene	37.7	D	25	0.50	2.80	mg/Kg	11/17/25 17:58	PB170576
129-00-0	Pyrene	25.1	D	25	0.60	2.80	mg/Kg	11/17/25 17:58	PB170576
85-68-7	Butylbenzylphthalate	1.20	UD	25	1.20	2.80	mg/Kg	11/17/25 17:58	PB170576
91-94-1	3,3-Dichlorobenzidine	0.61	UD	25	0.61	5.50	mg/Kg	11/17/25 17:58	PB170576
56-55-3	Benzo(a)anthracene	17.6	D	25	0.38	2.80	mg/Kg	11/17/25 17:58	PB170576
218-01-9	Chrysene	13.5	D	25	0.33	2.80	mg/Kg	11/17/25 17:58	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	0.98	UD	25	0.98	2.80	mg/Kg	11/17/25 17:58	PB170576
117-84-0	Di-n-octyl phthalate	1.40	UD	25	1.40	5.50	mg/Kg	11/17/25 17:58	PB170576
205-99-2	Benzo(b)fluoranthene	17.9	D	25	0.31	2.80	mg/Kg	11/17/25 17:58	PB170576
207-08-9	Benzo(k)fluoranthene	8.30	D	25	0.37	2.80	mg/Kg	11/17/25 17:58	PB170576
50-32-8	Benzo(a)pyrene	14.8	D	25	0.49	2.80	mg/Kg	11/17/25 17:58	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	5.20	D	25	0.48	2.80	mg/Kg	11/17/25 17:58	PB170576
53-70-3	Dibenzo(a,h)anthracene	0.45	UD	25	0.45	2.80	mg/Kg	11/17/25 17:58	PB170576
191-24-2	Benzo(g,h,i)perylene	5.80	D	25	0.43	2.80	mg/Kg	11/17/25 17:58	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	0.42	UD	25	0.42	2.80	mg/Kg	11/17/25 17:58	PB170576
123-91-1	1,4-Dioxane	0.75	UD	25	0.75	2.80	mg/Kg	11/17/25 17:58	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	0.45	UD	25	0.45	2.80	mg/Kg	11/17/25 17:58	PB170576

SURROGATES

367-12-4	2-Fluorophenol	90.3		10 - 105	60%	SPK: 150
13127-88-3	Phenol-d6	89.9		10 - 103	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.6		10 - 108	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.0		10 - 108	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.6		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	69.6		10 - 109	70%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	50900
1146-65-2	Naphthalene-d8	178000
15067-26-2	Acenaphthene-d10	87100
1517-22-2	Phenanthrene-d10	140000
1719-03-5	Chrysene-d12	118000
1520-96-3	Perylene-d12	112000

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Lab Sample ID:	Q3648-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.06 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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