

Report of Analysis

Client: PSEG
Project: Oradell Gas and Appliance Service (OR)
Client Sample ID: OR-03-11062025DL
Lab Sample ID: Q3564-01DL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/07/25

Date Collected: 11/06/25
Date Received: 11/06/25
SDG No.: Q3564
Matrix: SOIL
% Solid: 93.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.40	UD	4	0.40	0.84	mg/Kg	11/10/25 12:45	PB170450
108-95-2	Phenol	0.057	UD	4	0.057	0.43	mg/Kg	11/10/25 12:45	PB170450
111-44-4	bis(2-Chloroethyl)ether	0.062	UD	4	0.062	0.43	mg/Kg	11/10/25 12:45	PB170450
95-57-8	2-Chlorophenol	0.062	UD	4	0.062	0.43	mg/Kg	11/10/25 12:45	PB170450
95-48-7	2-Methylphenol	0.077	UD	4	0.077	0.43	mg/Kg	11/10/25 12:45	PB170450
108-60-1	2,2-oxybis(1-Chloropropane)	0.096	UD	4	0.096	0.43	mg/Kg	11/10/25 12:45	PB170450
98-86-2	Acetophenone	0.075	UD	4	0.075	0.43	mg/Kg	11/10/25 12:45	PB170450
65794-96-9	3+4-Methylphenols	0.11	UD	4	0.11	0.84	mg/Kg	11/10/25 12:45	PB170450
621-64-7	n-Nitroso-di-n-propylamine	0.12	UD	4	0.12	0.20	mg/Kg	11/10/25 12:45	PB170450
67-72-1	Hexachloroethane	0.045	UD	4	0.045	0.43	mg/Kg	11/10/25 12:45	PB170450
98-95-3	Nitrobenzene	0.047	UD	4	0.047	0.43	mg/Kg	11/10/25 12:45	PB170450
78-59-1	Isophorone	0.084	UD	4	0.084	0.43	mg/Kg	11/10/25 12:45	PB170450
88-75-5	2-Nitrophenol	0.15	UD	4	0.15	0.43	mg/Kg	11/10/25 12:45	PB170450
105-67-9	2,4-Dimethylphenol	0.17	UD	4	0.17	0.43	mg/Kg	11/10/25 12:45	PB170450
111-91-1	bis(2-Chloroethoxy)methane	0.079	UD	4	0.079	0.43	mg/Kg	11/10/25 12:45	PB170450
120-83-2	2,4-Dichlorophenol	0.072	UD	4	0.072	0.43	mg/Kg	11/10/25 12:45	PB170450
91-20-3	Naphthalene	0.058	UD	4	0.058	0.43	mg/Kg	11/10/25 12:45	PB170450
106-47-8	4-Chloroaniline	0.091	UD	4	0.091	0.43	mg/Kg	11/10/25 12:45	PB170450
87-68-3	Hexachlorobutadiene	0.065	UD	4	0.065	0.43	mg/Kg	11/10/25 12:45	PB170450
105-60-2	Caprolactam	0.13	UD	4	0.13	0.84	mg/Kg	11/10/25 12:45	PB170450
59-50-7	4-Chloro-3-methylphenol	0.073	UD	4	0.073	0.43	mg/Kg	11/10/25 12:45	PB170450
91-57-6	2-Methylnaphthalene	0.066	UD	4	0.066	0.43	mg/Kg	11/10/25 12:45	PB170450
77-47-4	Hexachlorocyclopentadiene	0.30	UD	4	0.30	0.84	mg/Kg	11/10/25 12:45	PB170450
88-06-2	2,4,6-Trichlorophenol	0.051	UD	4	0.051	0.43	mg/Kg	11/10/25 12:45	PB170450
95-95-4	2,4,5-Trichlorophenol	0.074	UD	4	0.074	0.43	mg/Kg	11/10/25 12:45	PB170450
92-52-4	1,1-Biphenyl	0.056	UD	4	0.056	0.43	mg/Kg	11/10/25 12:45	PB170450
91-58-7	2-Chloronaphthalene	0.058	UD	4	0.058	0.43	mg/Kg	11/10/25 12:45	PB170450
88-74-4	2-Nitroaniline	0.12	UD	4	0.12	0.43	mg/Kg	11/10/25 12:45	PB170450
131-11-3	Dimethylphthalate	0.069	UD	4	0.069	0.43	mg/Kg	11/10/25 12:45	PB170450
208-96-8	Acenaphthylene	0.074	UD	4	0.074	0.43	mg/Kg	11/10/25 12:45	PB170450
606-20-2	2,6-Dinitrotoluene	0.086	UD	4	0.086	0.43	mg/Kg	11/10/25 12:45	PB170450
99-09-2	3-Nitroaniline	0.12	UD	4	0.12	0.43	mg/Kg	11/10/25 12:45	PB170450
83-32-9	Acenaphthene	0.055	UD	4	0.055	0.43	mg/Kg	11/10/25 12:45	PB170450
51-28-5	2,4-Dinitrophenol	0.59	UD	4	0.59	0.84	mg/Kg	11/10/25 12:45	PB170450
100-02-7	4-Nitrophenol	0.27	UD	4	0.27	0.84	mg/Kg	11/10/25 12:45	PB170450
132-64-9	Dibenzofuran	0.058	UD	4	0.058	0.43	mg/Kg	11/10/25 12:45	PB170450
121-14-2	2,4-Dinitrotoluene	0.13	UD	4	0.13	0.43	mg/Kg	11/10/25 12:45	PB170450
84-66-2	Diethylphthalate	0.072	UD	4	0.072	0.43	mg/Kg	11/10/25 12:45	PB170450
7005-72-3	4-Chlorophenyl-phenylether	0.068	UD	4	0.068	0.43	mg/Kg	11/10/25 12:45	PB170450
86-73-7	Fluorene	0.20	JD	4	0.065	0.43	mg/Kg	11/10/25 12:45	PB170450
100-01-6	4-Nitroaniline	0.16	UD	4	0.16	0.43	mg/Kg	11/10/25 12:45	PB170450
534-52-1	4,6-Dinitro-2-methylphenol	0.26	UD	4	0.26	0.84	mg/Kg	11/10/25 12:45	PB170450

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SDG No.: Q3564
Matrix: SOIL
% Solid: 93.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.084	UD	4	0.084	0.43	mg/Kg	11/10/25 12:45	PB170450
101-55-3	4-Bromophenyl-phenylether	0.071	UD	4	0.071	0.43	mg/Kg	11/10/25 12:45	PB170450
118-74-1	Hexachlorobenzene	0.065	UD	4	0.065	0.43	mg/Kg	11/10/25 12:45	PB170450
1912-24-9	Atrazine	0.087	UD	4	0.087	0.43	mg/Kg	11/10/25 12:45	PB170450
87-86-5	Pentachlorophenol	0.13	UD	4	0.13	0.84	mg/Kg	11/10/25 12:45	PB170450
85-01-8	Phenanthrene	1.70	D	4	0.053	0.43	mg/Kg	11/10/25 12:45	PB170450
120-12-7	Anthracene	0.65	D	4	0.085	0.43	mg/Kg	11/10/25 12:45	PB170450
86-74-8	Carbazole	0.080	UD	4	0.080	0.43	mg/Kg	11/10/25 12:45	PB170450
84-74-2	Di-n-butylphthalate	0.12	UD	4	0.12	0.43	mg/Kg	11/10/25 12:45	PB170450
206-44-0	Fluoranthene	5.30	D	4	0.077	0.43	mg/Kg	11/10/25 12:45	PB170450
129-00-0	Pyrene	4.10	D	4	0.092	0.43	mg/Kg	11/10/25 12:45	PB170450
85-68-7	Butylbenzylphthalate	0.18	UD	4	0.18	0.43	mg/Kg	11/10/25 12:45	PB170450
91-94-1	3,3-Dichlorobenzidine	0.094	UD	4	0.094	0.84	mg/Kg	11/10/25 12:45	PB170450
56-55-3	Benzo(a)anthracene	2.80	D	4	0.059	0.43	mg/Kg	11/10/25 12:45	PB170450
218-01-9	Chrysene	2.40	D	4	0.051	0.43	mg/Kg	11/10/25 12:45	PB170450
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	UD	4	0.15	0.43	mg/Kg	11/10/25 12:45	PB170450
117-84-0	Di-n-octyl phthalate	0.22	UD	4	0.22	0.84	mg/Kg	11/10/25 12:45	PB170450
205-99-2	Benzo(b)fluoranthene	2.90	D	4	0.049	0.43	mg/Kg	11/10/25 12:45	PB170450
207-08-9	Benzo(k)fluoranthene	1.10	D	4	0.057	0.43	mg/Kg	11/10/25 12:45	PB170450
50-32-8	Benzo(a)pyrene	2.50	D	4	0.075	0.43	mg/Kg	11/10/25 12:45	PB170450
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	D	4	0.074	0.43	mg/Kg	11/10/25 12:45	PB170450
53-70-3	Dibenzo(a,h)anthracene	0.38	JD	4	0.070	0.43	mg/Kg	11/10/25 12:45	PB170450
191-24-2	Benzo(g,h,i)perylene	1.20	D	4	0.066	0.43	mg/Kg	11/10/25 12:45	PB170450
95-94-3	1,2,4,5-Tetrachlorobenzene	0.066	UD	4	0.066	0.43	mg/Kg	11/10/25 12:45	PB170450
123-91-1	1,4-Dioxane	0.12	UD	4	0.12	0.43	mg/Kg	11/10/25 12:45	PB170450
58-90-2	2,3,4,6-Tetrachlorophenol	0.070	UD	4	0.070	0.43	mg/Kg	11/10/25 12:45	PB170450

SURROGATES

367-12-4	2-Fluorophenol	67.9		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	69.5		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.0		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.5		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.7		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	49.9		10 - 105	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	39400
1146-65-2	Naphthalene-d8	162000
15067-26-2	Acenaphthene-d10	134000
1517-22-2	Phenanthrene-d10	314000
1719-03-5	Chrysene-d12	368000
1520-96-3	Perylene-d12	421000

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Lab Sample ID:	Q3564-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.03 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/07/25		

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