

Report of Analysis

Client: PSEG
Project: Oradell Gas and Appliance Service (OR)
Client Sample ID: OR-02-120825DL
Lab Sample ID: Q3812-01DL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 12/10/25

Date Collected: 12/08/25
Date Received: 12/08/25
SDG No.: Q3812
Matrix: SOIL
% Solid: 91.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.51	UD	5	0.51	1.10	mg/Kg	12/10/25 20:35	PB170885
108-95-2	Phenol	0.073	UD	5	0.073	0.56	mg/Kg	12/10/25 20:35	PB170885
111-44-4	bis(2-Chloroethyl)ether	0.080	UD	5	0.080	0.56	mg/Kg	12/10/25 20:35	PB170885
95-57-8	2-Chlorophenol	0.080	UD	5	0.080	0.56	mg/Kg	12/10/25 20:35	PB170885
95-48-7	2-Methylphenol	0.098	UD	5	0.098	0.56	mg/Kg	12/10/25 20:35	PB170885
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	UD	5	0.12	0.56	mg/Kg	12/10/25 20:35	PB170885
98-86-2	Acetophenone	0.097	UD	5	0.097	0.56	mg/Kg	12/10/25 20:35	PB170885
65794-96-9	3+4-Methylphenols	0.13	UD	5	0.13	1.10	mg/Kg	12/10/25 20:35	PB170885
621-64-7	n-Nitroso-di-n-propylamine	0.16	UD	5	0.16	0.26	mg/Kg	12/10/25 20:35	PB170885
67-72-1	Hexachloroethane	0.058	UD	5	0.058	0.56	mg/Kg	12/10/25 20:35	PB170885
98-95-3	Nitrobenzene	0.060	UD	5	0.060	0.56	mg/Kg	12/10/25 20:35	PB170885
78-59-1	Isophorone	0.11	UD	5	0.11	0.56	mg/Kg	12/10/25 20:35	PB170885
88-75-5	2-Nitrophenol	0.19	UD	5	0.19	0.56	mg/Kg	12/10/25 20:35	PB170885
105-67-9	2,4-Dimethylphenol	0.21	UD	5	0.21	0.56	mg/Kg	12/10/25 20:35	PB170885
111-91-1	bis(2-Chloroethoxy)methane	0.10	UD	5	0.10	0.56	mg/Kg	12/10/25 20:35	PB170885
120-83-2	2,4-Dichlorophenol	0.093	UD	5	0.093	0.56	mg/Kg	12/10/25 20:35	PB170885
91-20-3	Naphthalene	0.075	UD	5	0.075	0.56	mg/Kg	12/10/25 20:35	PB170885
106-47-8	4-Chloroaniline	0.12	UD	5	0.12	0.56	mg/Kg	12/10/25 20:35	PB170885
87-68-3	Hexachlorobutadiene	0.083	UD	5	0.083	0.56	mg/Kg	12/10/25 20:35	PB170885
105-60-2	Caprolactam	0.17	UD	5	0.17	1.10	mg/Kg	12/10/25 20:35	PB170885
59-50-7	4-Chloro-3-methylphenol	0.094	UD	5	0.094	0.56	mg/Kg	12/10/25 20:35	PB170885
91-57-6	2-Methylnaphthalene	0.084	UD	5	0.084	0.56	mg/Kg	12/10/25 20:35	PB170885
77-47-4	Hexachlorocyclopentadiene	0.38	UD	5	0.38	1.10	mg/Kg	12/10/25 20:35	PB170885
88-06-2	2,4,6-Trichlorophenol	0.065	UD	5	0.065	0.56	mg/Kg	12/10/25 20:35	PB170885
95-95-4	2,4,5-Trichlorophenol	0.096	UD	5	0.096	0.56	mg/Kg	12/10/25 20:35	PB170885
92-52-4	1,1-Biphenyl	0.072	UD	5	0.072	0.56	mg/Kg	12/10/25 20:35	PB170885
91-58-7	2-Chloronaphthalene	0.074	UD	5	0.074	0.56	mg/Kg	12/10/25 20:35	PB170885
88-74-4	2-Nitroaniline	0.16	UD	5	0.16	0.56	mg/Kg	12/10/25 20:35	PB170885
131-11-3	Dimethylphthalate	0.089	UD	5	0.089	0.56	mg/Kg	12/10/25 20:35	PB170885
208-96-8	Acenaphthylene	0.095	UD	5	0.095	0.56	mg/Kg	12/10/25 20:35	PB170885
606-20-2	2,6-Dinitrotoluene	0.11	UD	5	0.11	0.56	mg/Kg	12/10/25 20:35	PB170885
99-09-2	3-Nitroaniline	0.15	UD	5	0.15	0.56	mg/Kg	12/10/25 20:35	PB170885
83-32-9	Acenaphthene	0.25	JD	5	0.070	0.56	mg/Kg	12/10/25 20:35	PB170885
51-28-5	2,4-Dinitrophenol	0.75	UD	5	0.75	1.10	mg/Kg	12/10/25 20:35	PB170885
100-02-7	4-Nitrophenol	0.35	UD	5	0.35	1.10	mg/Kg	12/10/25 20:35	PB170885
132-64-9	Dibenzofuran	0.26	JD	5	0.075	0.56	mg/Kg	12/10/25 20:35	PB170885
121-14-2	2,4-Dinitrotoluene	0.16	UD	5	0.16	0.56	mg/Kg	12/10/25 20:35	PB170885
84-66-2	Diethylphthalate	0.093	UD	5	0.093	0.56	mg/Kg	12/10/25 20:35	PB170885
7005-72-3	4-Chlorophenyl-phenylether	0.088	UD	5	0.088	0.56	mg/Kg	12/10/25 20:35	PB170885
86-73-7	Fluorene	0.44	JD	5	0.083	0.56	mg/Kg	12/10/25 20:35	PB170885
100-01-6	4-Nitroaniline	0.21	UD	5	0.21	0.56	mg/Kg	12/10/25 20:35	PB170885
534-52-1	4,6-Dinitro-2-methylphenol	0.34	UD	5	0.34	1.10	mg/Kg	12/10/25 20:35	PB170885

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Sample Wt/Vol: 50.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 12/10/25

Date Collected: 12/08/25
Date Received: 12/08/25
SDG No.: Q3812
Matrix: SOIL
% Solid: 91.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.11	UD	5	0.11	0.56	mg/Kg	12/10/25 20:35	PB170885
101-55-3	4-Bromophenyl-phenylether	0.091	UD	5	0.091	0.56	mg/Kg	12/10/25 20:35	PB170885
118-74-1	Hexachlorobenzene	0.083	UD	5	0.083	0.56	mg/Kg	12/10/25 20:35	PB170885
1912-24-9	Atrazine	0.11	UD	5	0.11	0.56	mg/Kg	12/10/25 20:35	PB170885
87-86-5	Pentachlorophenol	0.17	UD	5	0.17	1.10	mg/Kg	12/10/25 20:35	PB170885
85-01-8	Phenanthrene	3.80	D	5	0.069	0.56	mg/Kg	12/10/25 20:35	PB170885
120-12-7	Anthracene	1.00	D	5	0.11	0.56	mg/Kg	12/10/25 20:35	PB170885
86-74-8	Carbazole	0.32	JD	5	0.10	0.56	mg/Kg	12/10/25 20:35	PB170885
84-74-2	Di-n-butylphthalate	0.16	UD	5	0.16	0.56	mg/Kg	12/10/25 20:35	PB170885
206-44-0	Fluoranthene	4.60	D	5	0.098	0.56	mg/Kg	12/10/25 20:35	PB170885
129-00-0	Pyrene	4.30	D	5	0.12	0.56	mg/Kg	12/10/25 20:35	PB170885
85-68-7	Butylbenzylphthalate	0.23	UD	5	0.23	0.56	mg/Kg	12/10/25 20:35	PB170885
91-94-1	3,3-Dichlorobenzidine	0.12	UD	5	0.12	1.10	mg/Kg	12/10/25 20:35	PB170885
56-55-3	Benzo(a)anthracene	2.20	D	5	0.076	0.56	mg/Kg	12/10/25 20:35	PB170885
218-01-9	Chrysene	2.00	D	5	0.065	0.56	mg/Kg	12/10/25 20:35	PB170885
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	UD	5	0.19	0.56	mg/Kg	12/10/25 20:35	PB170885
117-84-0	Di-n-octyl phthalate	0.28	UD	5	0.28	1.10	mg/Kg	12/10/25 20:35	PB170885
205-99-2	Benzo(b)fluoranthene	2.50	D	5	0.062	0.56	mg/Kg	12/10/25 20:35	PB170885
207-08-9	Benzo(k)fluoranthene	0.74	D	5	0.074	0.56	mg/Kg	12/10/25 20:35	PB170885
50-32-8	Benzo(a)pyrene	2.00	D	5	0.097	0.56	mg/Kg	12/10/25 20:35	PB170885
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	D	5	0.096	0.56	mg/Kg	12/10/25 20:35	PB170885
53-70-3	Dibenzo(a,h)anthracene	0.30	JD	5	0.090	0.56	mg/Kg	12/10/25 20:35	PB170885
191-24-2	Benzo(g,h,i)perylene	1.20	D	5	0.084	0.56	mg/Kg	12/10/25 20:35	PB170885
95-94-3	1,2,4,5-Tetrachlorobenzene	0.084	UD	5	0.084	0.56	mg/Kg	12/10/25 20:35	PB170885
123-91-1	1,4-Dioxane	0.15	UD	5	0.15	0.56	mg/Kg	12/10/25 20:35	PB170885
58-90-2	2,3,4,6-Tetrachlorophenol	0.090	UD	5	0.090	0.56	mg/Kg	12/10/25 20:35	PB170885

SURROGATES

367-12-4	2-Fluorophenol	63.1		10 - 105	42%	SPK: 150
13127-88-3	Phenol-d6	59.6		10 - 103	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.0		10 - 108	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.9		10 - 108	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.4		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	50.9		10 - 109	51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	26000
1146-65-2	Naphthalene-d8	102000
15067-26-2	Acenaphthene-d10	88000
1517-22-2	Phenanthrene-d10	198000
1719-03-5	Chrysene-d12	237000
1520-96-3	Perylene-d12	276000

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Lab Sample ID:	Q3812-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 12/10/25		

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