

Report of Analysis

Client: PSEG
Project: Burlington Gas and Appliance Service (BU)
Client Sample ID: BU-3-112625
Lab Sample ID: Q3735-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.04 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 12/01/25

Date Collected: 11/26/25
Date Received: 11/26/25
SDG No.: Q3735
Matrix: SOIL
% Solid: 85.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.23	U	1	0.11	0.23	mg/Kg	12/01/25 17:13	PB170763
108-95-2	Phenol	0.12	U	1	0.016	0.12	mg/Kg	12/01/25 17:13	PB170763
111-44-4	bis(2-Chloroethyl)ether	0.12	U	1	0.017	0.12	mg/Kg	12/01/25 17:13	PB170763
95-57-8	2-Chlorophenol	0.12	U	1	0.017	0.12	mg/Kg	12/01/25 17:13	PB170763
95-48-7	2-Methylphenol	0.12	U	1	0.021	0.12	mg/Kg	12/01/25 17:13	PB170763
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	1	0.026	0.12	mg/Kg	12/01/25 17:13	PB170763
98-86-2	Acetophenone	0.12	U	1	0.021	0.12	mg/Kg	12/01/25 17:13	PB170763
65794-96-9	3+4-Methylphenols	0.23	U	1	0.029	0.23	mg/Kg	12/01/25 17:13	PB170763
621-64-7	n-Nitroso-di-n-propylamine	0.056	U	1	0.033	0.056	mg/Kg	12/01/25 17:13	PB170763
67-72-1	Hexachloroethane	0.12	U	1	0.012	0.12	mg/Kg	12/01/25 17:13	PB170763
98-95-3	Nitrobenzene	0.12	U	1	0.013	0.12	mg/Kg	12/01/25 17:13	PB170763
78-59-1	Isophorone	0.12	U	1	0.023	0.12	mg/Kg	12/01/25 17:13	PB170763
88-75-5	2-Nitrophenol	0.12	U	1	0.041	0.12	mg/Kg	12/01/25 17:13	PB170763
105-67-9	2,4-Dimethylphenol	0.12	U	1	0.046	0.12	mg/Kg	12/01/25 17:13	PB170763
111-91-1	bis(2-Chloroethoxy)methane	0.12	U	1	0.022	0.12	mg/Kg	12/01/25 17:13	PB170763
120-83-2	2,4-Dichlorophenol	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
91-20-3	Naphthalene	0.12	U	1	0.016	0.12	mg/Kg	12/01/25 17:13	PB170763
106-47-8	4-Chloroaniline	0.12	U	1	0.025	0.12	mg/Kg	12/01/25 17:13	PB170763
87-68-3	Hexachlorobutadiene	0.12	U	1	0.018	0.12	mg/Kg	12/01/25 17:13	PB170763
105-60-2	Caprolactam	0.23	U	1	0.037	0.23	mg/Kg	12/01/25 17:13	PB170763
59-50-7	4-Chloro-3-methylphenol	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
91-57-6	2-Methylnaphthalene	0.12	U	1	0.018	0.12	mg/Kg	12/01/25 17:13	PB170763
77-47-4	Hexachlorocyclopentadiene	0.23	U	1	0.081	0.23	mg/Kg	12/01/25 17:13	PB170763
88-06-2	2,4,6-Trichlorophenol	0.12	U	1	0.014	0.12	mg/Kg	12/01/25 17:13	PB170763
95-95-4	2,4,5-Trichlorophenol	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
92-52-4	1,1-Biphenyl	0.12	U	1	0.015	0.12	mg/Kg	12/01/25 17:13	PB170763
91-58-7	2-Chloronaphthalene	0.12	U	1	0.016	0.12	mg/Kg	12/01/25 17:13	PB170763
88-74-4	2-Nitroaniline	0.12	U	1	0.034	0.12	mg/Kg	12/01/25 17:13	PB170763
131-11-3	Dimethylphthalate	0.12	U	1	0.019	0.12	mg/Kg	12/01/25 17:13	PB170763
208-96-8	Acenaphthylene	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
606-20-2	2,6-Dinitrotoluene	0.12	U	1	0.024	0.12	mg/Kg	12/01/25 17:13	PB170763
99-09-2	3-Nitroaniline	0.12	U	1	0.032	0.12	mg/Kg	12/01/25 17:13	PB170763
83-32-9	Acenaphthene	0.12	U	1	0.015	0.12	mg/Kg	12/01/25 17:13	PB170763
51-28-5	2,4-Dinitrophenol	0.23	U	1	0.16	0.23	mg/Kg	12/01/25 17:13	PB170763
100-02-7	4-Nitrophenol	0.23	U	1	0.075	0.23	mg/Kg	12/01/25 17:13	PB170763
132-64-9	Dibenzofuran	0.12	U	1	0.016	0.12	mg/Kg	12/01/25 17:13	PB170763
121-14-2	2,4-Dinitrotoluene	0.12	U	1	0.035	0.12	mg/Kg	12/01/25 17:13	PB170763
84-66-2	Diethylphthalate	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	1	0.019	0.12	mg/Kg	12/01/25 17:13	PB170763
86-73-7	Fluorene	0.12	U	1	0.018	0.12	mg/Kg	12/01/25 17:13	PB170763
100-01-6	4-Nitroaniline	0.12	U	1	0.045	0.12	mg/Kg	12/01/25 17:13	PB170763
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	1	0.072	0.23	mg/Kg	12/01/25 17:13	PB170763

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Prep Method : SW3541 Prep Date: 12/01/25

Date Collected: 11/26/25
Date Received: 11/26/25
SDG No.: Q3735
Matrix: SOIL
% Solid: 85.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.12	U	1	0.023	0.12	mg/Kg	12/01/25 17:13	PB170763
101-55-3	4-Bromophenyl-phenylether	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
118-74-1	Hexachlorobenzene	0.12	U	1	0.018	0.12	mg/Kg	12/01/25 17:13	PB170763
1912-24-9	Atrazine	0.12	U	1	0.024	0.12	mg/Kg	12/01/25 17:13	PB170763
87-86-5	Pentachlorophenol	0.23	U	1	0.036	0.23	mg/Kg	12/01/25 17:13	PB170763
85-01-8	Phenanthrene	0.12	U	1	0.015	0.12	mg/Kg	12/01/25 17:13	PB170763
120-12-7	Anthracene	0.12	U	1	0.023	0.12	mg/Kg	12/01/25 17:13	PB170763
86-74-8	Carbazole	0.12	U	1	0.022	0.12	mg/Kg	12/01/25 17:13	PB170763
84-74-2	Di-n-butylphthalate	0.12	U	1	0.034	0.12	mg/Kg	12/01/25 17:13	PB170763
206-44-0	Fluoranthene	0.12	U	1	0.021	0.12	mg/Kg	12/01/25 17:13	PB170763
129-00-0	Pyrene	0.12	U	1	0.025	0.12	mg/Kg	12/01/25 17:13	PB170763
85-68-7	Butylbenzylphthalate	0.12	U	1	0.050	0.12	mg/Kg	12/01/25 17:13	PB170763
91-94-1	3,3-Dichlorobenzidine	0.23	U	1	0.026	0.23	mg/Kg	12/01/25 17:13	PB170763
56-55-3	Benzo(a)anthracene	0.12	U	1	0.016	0.12	mg/Kg	12/01/25 17:13	PB170763
218-01-9	Chrysene	0.12	U	1	0.014	0.12	mg/Kg	12/01/25 17:13	PB170763
117-81-7	Bis(2-ethylhexyl)phthalate	0.12	U	1	0.042	0.12	mg/Kg	12/01/25 17:13	PB170763
117-84-0	Di-n-octyl phthalate	0.23	U	1	0.061	0.23	mg/Kg	12/01/25 17:13	PB170763
205-99-2	Benzo(b)fluoranthene	0.12	U	1	0.013	0.12	mg/Kg	12/01/25 17:13	PB170763
207-08-9	Benzo(k)fluoranthene	0.12	U	1	0.016	0.12	mg/Kg	12/01/25 17:13	PB170763
50-32-8	Benzo(a)pyrene	0.12	U	1	0.021	0.12	mg/Kg	12/01/25 17:13	PB170763
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	U	1	0.020	0.12	mg/Kg	12/01/25 17:13	PB170763
53-70-3	Dibenzo(a,h)anthracene	0.12	U	1	0.019	0.12	mg/Kg	12/01/25 17:13	PB170763
191-24-2	Benzo(g,h,i)perylene	0.12	U	1	0.018	0.12	mg/Kg	12/01/25 17:13	PB170763
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	1	0.018	0.12	mg/Kg	12/01/25 17:13	PB170763
123-91-1	1,4-Dioxane	0.12	U	1	0.032	0.12	mg/Kg	12/01/25 17:13	PB170763
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	1	0.019	0.12	mg/Kg	12/01/25 17:13	PB170763

SURROGATES

367-12-4	2-Fluorophenol	84.5		10 - 105	56%	SPK: 150
13127-88-3	Phenol-d6	81.4		10 - 103	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.2		10 - 108	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.6		10 - 108	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.2		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	38.5		10 - 109	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	49700
1146-65-2	Naphthalene-d8	165000
15067-26-2	Acenaphthene-d10	76800
1517-22-2	Phenanthrene-d10	138000
1719-03-5	Chrysene-d12	148000
1520-96-3	Perylene-d12	114000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	150	J	10.6	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	57.6	J	10.8	ug/Kg

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Project:	Burlington Gas and Appliance Service (BU)	Date Received:	11/26/25
Client Sample ID:	BU-3-112625	SDG No.:	Q3735
Lab Sample ID:	Q3735-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	50.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/01/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	380	J			11.9	ug/Kg		
038775-38-1	1-Hexadecanesulfonyl chloride	110	J			13.9	ug/Kg		

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