

Report of Analysis

Client:	PSEG	Date Collected:	01/09/25
Project:	Burlington Gas District	Date Received:	01/09/25
Client Sample ID:	FRAC-TANK-257952	SDG No.:	Q1049
Lab Sample ID:	Q1049-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141153.D	1	01/10/25 08:50	01/14/25 18:38	PB166008

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	4.00	10.0	ug/L
108-95-2	Phenol	22.6		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	1.40	5.00	ug/L
98-86-2	Acetophenone	5.00	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	5.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.30	5.00	ug/L
78-59-1	Isophorone	5.00	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	0.88	5.00	ug/L
91-20-3	Naphthalene	42.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.30	5.00	ug/L
105-60-2	Caprolactam	10.0	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	18.6		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	6.20		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	0.93	5.00	ug/L

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208-96-8	Acenaphthylene	5.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	5.00	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	0.98	5.00	ug/L
86-73-7	Fluorene	2.60	J	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.60		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.10	5.00	ug/L
1912-24-9	Atrazine	5.00	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	4.70	J	0.89	5.00	ug/L
120-12-7	Anthracene	5.00	U	1.10	5.00	ug/L
86-74-8	Carbazole	5.00	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	6.30		1.50	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	1.30	5.00	ug/L
129-00-0	Pyrene	5.00	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	0.94	5.00	ug/L
218-01-9	Chrysene	5.00	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	1.10	5.00	ug/L

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207-08-9	Benzo(k)fluoranthene	5.00	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	5.00	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.2		10 - 139	43%	SPK: 150
13127-88-3	Phenol-d6	349	*	10 - 134	232%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.7		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.1		52 - 132	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	68.8		48 - 125	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000		6.822		
1146-65-2	Naphthalene-d8	592000		8.11		
15067-26-2	Acenaphthene-d10	282000		9.863		
1517-22-2	Phenanthrene-d10	399000		11.345		
1719-03-5	Chrysene-d12	277000		13.992		
1520-96-3	Perylene-d12	320000		15.451		
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	78.2	J		2.13	ug/L
000623-36-9	2-Pentenal, 2-methyl-	100	J		4.74	ug/L
020521-42-0	2-Butenal, 2-ethenyl-	35.7	J		5.10	ug/L
000142-83-6	2,4-Hexadienal, (E,E)-	63.9	J		5.86	ug/L
	unknown6.087	75.7	J		6.09	ug/L
000108-67-8	Mesitylene	65.9	J		6.65	ug/L
	unknown6.704	37.2	J		6.70	ug/L

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000526-73-8	Benzene, 1,2,3-trimethyl-	37.2	J		6.88	ug/L
100-51-6	Benzyl Alcohol	26.9	J		6.98	ug/L
017609-31-3	2,4,6-Octatrienal	75.0	J		7.10	ug/L
000098-91-9	Benzenecarbothioic acid	45.0	J		7.23	ug/L
	unknown7.451	71.8	J		7.45	ug/L
	unknown7.698	38.0	J		7.70	ug/L
	unknown7.887	53.2	J		7.89	ug/L
	unknown7.998	30.3	J		8.00	ug/L
000126-33-0	Thiophene, tetrahydro-, 1,1-dioxid	87.7	J		8.29	ug/L
000629-50-5	Tridecane	48.3	J		8.70	ug/L
90-12-0	1-Methylnaphthalene	14.7	J		8.92	ug/L
026730-12-1	Tridecane, 4-methyl-	37.8	J		10.8	ug/L

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