

Report of Analysis

Client:	PSEG	Date Collected:	03/17/25
Project:	Burlington Gas District	Date Received:	03/17/25
Client Sample ID:	OILY-DEBRIS-COMP	SDG No.:	Q1592
Lab Sample ID:	Q1592-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142000.D	10	03/18/25 11:50	03/19/25 12:16	PB167188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2.30	U	1.10	2.30	mg/Kg
108-95-2	Phenol	1.20	U	0.15	1.20	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.20	U	0.17	1.20	mg/Kg
95-57-8	2-Chlorophenol	1.20	U	0.17	1.20	mg/Kg
95-48-7	2-Methylphenol	1.20	U	0.21	1.20	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.20	U	0.26	1.20	mg/Kg
98-86-2	Acetophenone	1.20	U	0.21	1.20	mg/Kg
65794-96-9	3+4-Methylphenols	2.30	U	0.29	2.30	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.56	U	0.33	0.56	mg/Kg
67-72-1	Hexachloroethane	1.20	U	0.12	1.20	mg/Kg
98-95-3	Nitrobenzene	1.20	U	0.13	1.20	mg/Kg
78-59-1	Isophorone	1.20	U	0.23	1.20	mg/Kg
88-75-5	2-Nitrophenol	1.20	U	0.41	1.20	mg/Kg
105-67-9	2,4-Dimethylphenol	1.20	U	0.45	1.20	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.20	U	0.22	1.20	mg/Kg
120-83-2	2,4-Dichlorophenol	1.20	U	0.20	1.20	mg/Kg
91-20-3	Naphthalene	1.20	U	0.16	1.20	mg/Kg
106-47-8	4-Chloroaniline	1.20	U	0.25	1.20	mg/Kg
87-68-3	Hexachlorobutadiene	1.20	U	0.18	1.20	mg/Kg
105-60-2	Caprolactam	2.30	U	0.36	2.30	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.20	U	0.20	1.20	mg/Kg
91-57-6	2-Methylnaphthalene	1.20	U	0.18	1.20	mg/Kg
77-47-4	Hexachlorocyclopentadiene	2.30	U	0.81	2.30	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.20	U	0.14	1.20	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.20	U	0.20	1.20	mg/Kg
92-52-4	1,1-Biphenyl	1.20	U	0.15	1.20	mg/Kg
91-58-7	2-Chloronaphthalene	1.20	U	0.16	1.20	mg/Kg
88-74-4	2-Nitroaniline	1.20	U	0.34	1.20	mg/Kg
131-11-3	Dimethylphthalate	1.20	U	0.19	1.20	mg/Kg

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208-96-8	Acenaphthylene	1.20	U	0.20	1.20	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.20	U	0.24	1.20	mg/Kg
99-09-2	3-Nitroaniline	1.20	U	0.32	1.20	mg/Kg
83-32-9	Acenaphthene	1.20	U	0.15	1.20	mg/Kg
51-28-5	2,4-Dinitrophenol	2.30	U	1.60	2.30	mg/Kg
100-02-7	4-Nitrophenol	2.30	U	0.75	2.30	mg/Kg
132-64-9	Dibenzofuran	1.20	U	0.16	1.20	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20	U	0.35	1.20	mg/Kg
84-66-2	Diethylphthalate	1.20	U	0.20	1.20	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.20	U	0.19	1.20	mg/Kg
86-73-7	Fluorene	1.20	U	0.18	1.20	mg/Kg
100-01-6	4-Nitroaniline	1.20	U	0.45	1.20	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2.30	U	0.72	2.30	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.20	U	0.23	1.20	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.20	U	0.19	1.20	mg/Kg
118-74-1	Hexachlorobenzene	1.20	U	0.18	1.20	mg/Kg
1912-24-9	Atrazine	1.20	U	0.24	1.20	mg/Kg
87-86-5	Pentachlorophenol	2.30	U	0.36	2.30	mg/Kg
85-01-8	Phenanthrene	1.20	U	0.15	1.20	mg/Kg
120-12-7	Anthracene	1.20	U	0.23	1.20	mg/Kg
86-74-8	Carbazole	1.20	U	0.22	1.20	mg/Kg
84-74-2	Di-n-butylphthalate	1.20	U	0.34	1.20	mg/Kg
206-44-0	Fluoranthene	0.93	J	0.21	1.20	mg/Kg
129-00-0	Pyrene	0.71	J	0.25	1.20	mg/Kg
85-68-7	Butylbenzylphthalate	1.20	U	0.50	1.20	mg/Kg
91-94-1	3,3-Dichlorobenzidine	2.30	U	0.26	2.30	mg/Kg
56-55-3	Benzo(a)anthracene	1.20	U	0.16	1.20	mg/Kg
218-01-9	Chrysene	0.49	J	0.14	1.20	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2.80		0.41	1.20	mg/Kg
117-84-0	Di-n-octyl phthalate	2.30	U	0.61	2.30	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.20	U	0.13	1.20	mg/Kg

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207-08-9	Benzo(k)fluoranthene	1.20	U	0.16	1.20	mg/Kg
50-32-8	Benzo(a)pyrene	1.20	U	0.21	1.20	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	U	0.20	1.20	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.20	U	0.19	1.20	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.20	U	0.18	1.20	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20	U	0.18	1.20	mg/Kg
123-91-1	1,4-Dioxane	1.20	U	0.32	1.20	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.20	U	0.19	1.20	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	126		18 - 112	84%	SPK: 150
13127-88-3	Phenol-d6	125		15 - 107	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.6		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		20 - 109	104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	108		10 - 116	72%	SPK: 150
1718-51-0	Terphenyl-d14	75.8		10 - 105	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	168000	6.875
1146-65-2	Naphthalene-d8	646000	8.157
15067-26-2	Acenaphthene-d10	323000	9.91
1517-22-2	Phenanthrene-d10	454000	11.398
1719-03-5	Chrysene-d12	351000	14.045
1520-96-3	Perylene-d12	304000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J	2.13	ug/Kg
000104-76-7	1-Hexanol, 2-ethyl-	1400	J	6.94	ug/Kg
000149-57-5	Hexanoic acid, 2-ethyl-	4700	J	7.57	ug/Kg
000098-73-7	Benzoic acid, p-tert-butyl-	2000	J	9.81	ug/Kg
000142-90-5	n-Dodecyl methacrylate	770	J	11.1	ug/Kg
003622-84-2	Benzenesulfonamide, N-butyl-	1100	J	11.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	830	J	11.9	ug/Kg

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000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	4700	J		13.5	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