

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Bellmawr Sub HQ	Date Received:	05/28/25
Client Sample ID:	BELL-25-0010	SDG No.:	Q2139
Lab Sample ID:	Q2139-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024837.D	1	05/29/25 09:45	05/29/25 20:30	PB168198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.93	U	0.93	2.00	mg/Kg
108-95-2	Phenol	0.13	U	0.13	1.00	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.15	U	0.15	1.00	mg/Kg
95-57-8	2-Chlorophenol	0.15	U	0.15	1.00	mg/Kg
95-48-7	2-Methylphenol	0.18	U	0.18	1.00	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.22	U	0.22	1.00	mg/Kg
98-86-2	Acetophenone	0.18	U	0.18	1.00	mg/Kg
65794-96-9	3+4-Methylphenols	0.25	U	0.25	2.00	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.28	U	0.28	0.48	mg/Kg
67-72-1	Hexachloroethane	0.11	U	0.11	1.00	mg/Kg
98-95-3	Nitrobenzene	0.11	U	0.11	1.00	mg/Kg
78-59-1	Isophorone	0.20	U	0.20	1.00	mg/Kg
88-75-5	2-Nitrophenol	0.35	U	0.35	1.00	mg/Kg
105-67-9	2,4-Dimethylphenol	0.39	U	0.39	1.00	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.18	U	0.18	1.00	mg/Kg
120-83-2	2,4-Dichlorophenol	0.17	U	0.17	1.00	mg/Kg
91-20-3	Naphthalene	1.10		0.14	1.00	mg/Kg
106-47-8	4-Chloroaniline	0.21	U	0.21	1.00	mg/Kg
87-68-3	Hexachlorobutadiene	0.15	U	0.15	1.00	mg/Kg
105-60-2	Caprolactam	0.31	U	0.31	2.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.17	U	0.17	1.00	mg/Kg
91-57-6	2-Methylnaphthalene	3.40		0.15	1.00	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.69	U	0.69	2.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.12	U	0.12	1.00	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.17	U	0.17	1.00	mg/Kg
92-52-4	1,1-Biphenyl	1.10		0.13	1.00	mg/Kg
91-58-7	2-Chloronaphthalene	0.13	U	0.13	1.00	mg/Kg
88-74-4	2-Nitroaniline	0.29	U	0.29	1.00	mg/Kg
131-11-3	Dimethylphthalate	0.16	U	0.16	1.00	mg/Kg

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208-96-8	Acenaphthylene	0.17	U	0.17	1.00	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.20	U	0.20	1.00	mg/Kg
99-09-2	3-Nitroaniline	0.27	U	0.27	1.00	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.13	1.00	mg/Kg
51-28-5	2,4-Dinitrophenol	1.40	U	1.40	2.00	mg/Kg
100-02-7	4-Nitrophenol	0.64	U	0.64	2.00	mg/Kg
132-64-9	Dibenzofuran	0.14	U	0.14	1.00	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.30	U	0.30	1.00	mg/Kg
84-66-2	Diethylphthalate	1.30		0.17	1.00	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.16	U	0.16	1.00	mg/Kg
86-73-7	Fluorene	0.15	U	0.15	1.00	mg/Kg
100-01-6	4-Nitroaniline	0.38	U	0.38	1.00	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.62	U	0.62	2.00	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.20	U	0.20	1.00	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.17	U	0.17	1.00	mg/Kg
118-74-1	Hexachlorobenzene	0.15	U	0.15	1.00	mg/Kg
1912-24-9	Atrazine	0.20	U	0.20	1.00	mg/Kg
87-86-5	Pentachlorophenol	0.31	U	0.31	2.00	mg/Kg
85-01-8	Phenanthrene	0.59	J	0.12	1.00	mg/Kg
120-12-7	Anthracene	0.20	U	0.20	1.00	mg/Kg
86-74-8	Carbazole	0.19	U	0.19	1.00	mg/Kg
84-74-2	Di-n-butylphthalate	0.29	U	0.29	1.00	mg/Kg
206-44-0	Fluoranthene	0.18	U	0.18	1.00	mg/Kg
129-00-0	Pyrene	0.53	J	0.22	1.00	mg/Kg
85-68-7	Butylbenzylphthalate	0.43	U	0.43	1.00	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.22	U	0.22	2.00	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.14	1.00	mg/Kg
218-01-9	Chrysene	0.12	U	0.12	1.00	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.35	U	0.35	1.00	mg/Kg
117-84-0	Di-n-octyl phthalate	0.52	U	0.52	2.00	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.11	U	0.11	1.00	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.13	U	0.13	1.00	mg/Kg
50-32-8	Benzo(a)pyrene	0.18	U	0.18	1.00	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.17	U	0.17	1.00	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.16	1.00	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.15	U	0.15	1.00	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.15	U	0.15	1.00	mg/Kg
123-91-1	1,4-Dioxane	0.27	U	0.27	1.00	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.16	U	0.16	1.00	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	49.7		18 - 112	33%	SPK: 150
13127-88-3	Phenol-d6	47.4		15 - 107	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	32.7		18 - 107	33%	SPK: 100
321-60-8	2-Fluorobiphenyl	31.3		20 - 109	31%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.8		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	30.0		10 - 105	30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	157000	7.646
1146-65-2	Naphthalene-d8	592000	10.416
15067-26-2	Acenaphthene-d10	384000	14.281
1517-22-2	Phenanthrene-d10	726000	17.092
1719-03-5	Chrysene-d12	686000	21.569
1520-96-3	Perylene-d12	1120000	24.874

TENTATIVE IDENTIFIED COMPOUNDS

000556-67-2	Cyclotetrasiloxane, octamethyl-	5000	J	6.80	ug/Kg
000124-18-5	Decane	8500	J	7.28	ug/Kg
001074-43-7	Benzene, 1-methyl-3-propyl-	4500	J	8.19	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	5500	J	8.28	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	4300	J	8.73	ug/Kg
001120-21-4	Undecane	10900	J	8.86	ug/Kg
002050-24-0	Benzene, 1,3-diethyl-5-methyl-	7800	J	8.99	ug/Kg

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65-85-0	Benzoic acid	26700	J		9.89	ug/Kg
000629-50-5	Tridecane	4400	J		11.9	ug/Kg
90-12-0	1-Methylnaphthalene	2000	J		12.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	4100	J		12.8	ug/Kg
000629-62-9	Pentadecane	18200	J		14.2	ug/Kg
029878-31-7	1H-Benzotriazole, 4-methyl-	5900	J		14.6	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	7800	J		15.6	ug/Kg
000629-78-7	Heptadecane	18700	J		16.0	ug/Kg
000629-92-5	Nonadecane	8200	J		17.6	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	8200	J		17.8	ug/Kg
	unknown18.045	13300	J		18.0	ug/Kg
013058-52-1	Methyl 9-cis,11-trans-octadecadien	12100	J		19.0	ug/Kg
1000356-94-6	Phthalic acid, dec-2-yl undecyl es	10300	J		29.7	ug/Kg
1000356-66-2	Phthalic acid, 3-fluorophenyl hept	19300	J		29.7	ug/Kg
1010382-89-7	Phthalic acid, 2-(4-bromophenoxy)e	109000	J		31.8	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