

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Lawrenceville HQ	Date Received:	06/23/25
Client Sample ID:	LAW-25-0093	SDG No.:	Q2403
Lab Sample ID:	Q2403-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142855.D	20	06/25/25 09:45	06/26/25 00:12	PB168610

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	7.20	U	3.40	7.20	mg/Kg
108-95-2	Phenol	3.70	U	0.48	3.70	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	3.70	U	0.53	3.70	mg/Kg
95-57-8	2-Chlorophenol	3.70	U	0.53	3.70	mg/Kg
95-48-7	2-Methylphenol	3.70	U	0.65	3.70	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3.70	U	0.82	3.70	mg/Kg
98-86-2	Acetophenone	3.70	U	0.64	3.70	mg/Kg
65794-96-9	3+4-Methylphenols	7.20	U	0.90	7.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.70	U	1.00	1.70	mg/Kg
67-72-1	Hexachloroethane	3.70	U	0.38	3.70	mg/Kg
98-95-3	Nitrobenzene	3.70	U	0.40	3.70	mg/Kg
78-59-1	Isophorone	3.70	U	0.72	3.70	mg/Kg
88-75-5	2-Nitrophenol	3.70	U	1.30	3.70	mg/Kg
105-67-9	2,4-Dimethylphenol	3.70	U	1.40	3.70	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	3.70	U	0.67	3.70	mg/Kg
120-83-2	2,4-Dichlorophenol	3.70	U	0.62	3.70	mg/Kg
91-20-3	Naphthalene	3.70	U	0.50	3.70	mg/Kg
106-47-8	4-Chloroaniline	3.70	U	0.77	3.70	mg/Kg
87-68-3	Hexachlorobutadiene	3.70	U	0.55	3.70	mg/Kg
105-60-2	Caprolactam	7.20	U	1.10	7.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	3.70	U	0.63	3.70	mg/Kg
91-57-6	2-Methylnaphthalene	1.90	J	0.56	3.70	mg/Kg
77-47-4	Hexachlorocyclopentadiene	7.20	U	2.50	7.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	3.70	U	0.43	3.70	mg/Kg
95-95-4	2,4,5-Trichlorophenol	3.70	U	0.64	3.70	mg/Kg
92-52-4	1,1-Biphenyl	3.70	U	0.48	3.70	mg/Kg
91-58-7	2-Chloronaphthalene	3.70	U	0.49	3.70	mg/Kg
88-74-4	2-Nitroaniline	3.70	U	1.10	3.70	mg/Kg
131-11-3	Dimethylphthalate	3.70	U	0.59	3.70	mg/Kg

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208-96-8	Acenaphthylene	3.70	U	0.63	3.70	mg/Kg
606-20-2	2,6-Dinitrotoluene	3.70	U	0.73	3.70	mg/Kg
99-09-2	3-Nitroaniline	3.70	U	1.00	3.70	mg/Kg
83-32-9	Acenaphthene	3.70	U	0.47	3.70	mg/Kg
51-28-5	2,4-Dinitrophenol	7.20	U	5.00	7.20	mg/Kg
100-02-7	4-Nitrophenol	7.20	U	2.30	7.20	mg/Kg
132-64-9	Dibenzofuran	3.70	U	0.50	3.70	mg/Kg
121-14-2	2,4-Dinitrotoluene	3.70	U	1.10	3.70	mg/Kg
84-66-2	Diethylphthalate	3.70	U	0.62	3.70	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	3.70	U	0.58	3.70	mg/Kg
86-73-7	Fluorene	3.70	U	0.55	3.70	mg/Kg
100-01-6	4-Nitroaniline	3.70	U	1.40	3.70	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	7.20	U	2.30	7.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	3.70	U	0.72	3.70	mg/Kg
101-55-3	4-Bromophenyl-phenylether	3.70	U	0.61	3.70	mg/Kg
118-74-1	Hexachlorobenzene	3.70	U	0.55	3.70	mg/Kg
1912-24-9	Atrazine	3.70	U	0.74	3.70	mg/Kg
87-86-5	Pentachlorophenol	7.20	U	1.10	7.20	mg/Kg
85-01-8	Phenanthrene	3.70	U	0.46	3.70	mg/Kg
120-12-7	Anthracene	3.70	U	0.73	3.70	mg/Kg
86-74-8	Carbazole	3.70	U	0.68	3.70	mg/Kg
84-74-2	Di-n-butylphthalate	3.70	U	1.00	3.70	mg/Kg
206-44-0	Fluoranthene	3.70	U	0.66	3.70	mg/Kg
129-00-0	Pyrene	3.70	U	0.79	3.70	mg/Kg
85-68-7	Butylbenzylphthalate	3.70	U	1.60	3.70	mg/Kg
91-94-1	3,3-Dichlorobenzidine	7.20	U	0.80	7.20	mg/Kg
56-55-3	Benzo(a)anthracene	3.70	U	0.50	3.70	mg/Kg
218-01-9	Chrysene	3.70	U	0.43	3.70	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4.90		1.30	3.70	mg/Kg
117-84-0	Di-n-octyl phthalate	7.20	U	1.90	7.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	3.70	U	0.42	3.70	mg/Kg

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207-08-9	Benzo(k)fluoranthene	3.70	U	0.49	3.70	mg/Kg
50-32-8	Benzo(a)pyrene	3.70	U	0.64	3.70	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3.70	U	0.64	3.70	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	3.70	U	0.60	3.70	mg/Kg
191-24-2	Benzo(g,h,i)perylene	3.70	U	0.56	3.70	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3.70	U	0.56	3.70	mg/Kg
123-91-1	1,4-Dioxane	3.70	U	0.99	3.70	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3.70	U	0.60	3.70	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	12.1	*	18 - 112	8%	SPK: 150
13127-88-3	Phenol-d6	14.3	*	15 - 107	10%	SPK: 150
4165-60-0	Nitrobenzene-d5	11.2	*	18 - 107	11%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.4		20 - 109	26%	SPK: 100
118-79-6	2,4,6-Tribromophenol	36.9		10 - 116	25%	SPK: 150
1718-51-0	Terphenyl-d14	25.9		10 - 105	26%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	53700	6.875
1146-65-2	Naphthalene-d8	171000	8.157
15067-26-2	Acenaphthene-d10	79900	9.916
1517-22-2	Phenanthrene-d10	161000	11.404
1719-03-5	Chrysene-d12	118000	14.074
1520-96-3	Perylene-d12	88700	15.568

TENTATIVE IDENTIFIED COMPOUNDS

000128-39-2	Phenol, 2,6-bis(1,1-dimethylethyl)	2300	J	9.57	ug/Kg
000629-78-7	Heptadecane	2400	J	10.6	ug/Kg
000544-76-3	Hexadecane	2400	J	11.0	ug/Kg
035507-09-6	7-Hexadecene, (Z)-	2600	J	11.1	ug/Kg
003622-84-2	Benzenesulfonamide, N-butyl-	5400	J	11.3	ug/Kg
013187-99-0	2-Bromo dodecane	4300	J	11.7	ug/Kg
013287-23-5	Heptadecane, 8-methyl-	7000	J	11.9	ug/Kg

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001560-89-0	Heptadecane, 2-methyl-	6900	J		12.0	ug/Kg
000630-02-4	Octacosane	8300	J		12.1	ug/Kg
107770-99-0	3,5-Dimethyldodecane	20900	J		12.3	ug/Kg
007098-22-8	Tetratetracontane	13600	J		12.4	ug/Kg
000629-94-7	Heneicosane	15000	J		12.5	ug/Kg
000629-99-2	Pentacosane	28900	J		12.6	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