

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Lawrenceville HQ	Date Received:	09/10/25
Client Sample ID:	LAW-25-0139DL	SDG No.:	Q3077
Lab Sample ID:	Q3077-03DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.06 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
BF143728.D	10	09/11/25 09:25	09/12/25 12:46	PB169649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	3.80	UD	1.80	3.80	mg/Kg
108-95-2	Phenol	2.00	UD	0.26	2.00	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	2.00	UD	0.28	2.00	mg/Kg
95-57-8	2-Chlorophenol	2.00	UD	0.28	2.00	mg/Kg
95-48-7	2-Methylphenol	2.00	UD	0.35	2.00	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2.00	UD	0.43	2.00	mg/Kg
98-86-2	Acetophenone	2.00	UD	0.34	2.00	mg/Kg
65794-96-9	3+4-Methylphenols	3.80	UD	0.47	3.80	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.92	UD	0.55	0.92	mg/Kg
67-72-1	Hexachloroethane	2.00	UD	0.20	2.00	mg/Kg
98-95-3	Nitrobenzene	2.00	UD	0.21	2.00	mg/Kg
78-59-1	Isophorone	2.00	UD	0.38	2.00	mg/Kg
88-75-5	2-Nitrophenol	2.00	UD	0.67	2.00	mg/Kg
105-67-9	2,4-Dimethylphenol	2.00	UD	0.75	2.00	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	2.00	UD	0.36	2.00	mg/Kg
120-83-2	2,4-Dichlorophenol	2.00	UD	0.33	2.00	mg/Kg
91-20-3	Naphthalene	2.00	UD	0.26	2.00	mg/Kg
106-47-8	4-Chloroaniline	2.00	UD	0.41	2.00	mg/Kg
87-68-3	Hexachlorobutadiene	2.00	UD	0.29	2.00	mg/Kg
105-60-2	Caprolactam	3.80	UD	0.60	3.80	mg/Kg
59-50-7	4-Chloro-3-methylphenol	2.00	UD	0.33	2.00	mg/Kg
91-57-6	2-Methylnaphthalene	2.00	UD	0.30	2.00	mg/Kg
77-47-4	Hexachlorocyclopentadiene	3.80	UD	1.30	3.80	mg/Kg
88-06-2	2,4,6-Trichlorophenol	2.00	UD	0.23	2.00	mg/Kg
95-95-4	2,4,5-Trichlorophenol	2.00	UD	0.34	2.00	mg/Kg
92-52-4	1,1-Biphenyl	2.10	D	0.25	2.00	mg/Kg
91-58-7	2-Chloronaphthalene	2.00	UD	0.26	2.00	mg/Kg
88-74-4	2-Nitroaniline	2.00	UD	0.56	2.00	mg/Kg
131-11-3	Dimethylphthalate	2.00	UD	0.31	2.00	mg/Kg

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208-96-8	Acenaphthylene	2.00	UD	0.33	2.00	mg/Kg
606-20-2	2,6-Dinitrotoluene	2.00	UD	0.39	2.00	mg/Kg
99-09-2	3-Nitroaniline	2.00	UD	0.53	2.00	mg/Kg
83-32-9	Acenaphthene	2.00	UD	0.25	2.00	mg/Kg
51-28-5	2,4-Dinitrophenol	3.80	UD	2.60	3.80	mg/Kg
100-02-7	4-Nitrophenol	3.80	UD	1.20	3.80	mg/Kg
132-64-9	Dibenzofuran	2.00	UD	0.26	2.00	mg/Kg
121-14-2	2,4-Dinitrotoluene	2.00	UD	0.58	2.00	mg/Kg
84-66-2	Diethylphthalate	2.00	UD	0.33	2.00	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	2.00	UD	0.31	2.00	mg/Kg
86-73-7	Fluorene	4.90	D	0.29	2.00	mg/Kg
100-01-6	4-Nitroaniline	2.00	UD	0.74	2.00	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3.80	UD	1.20	3.80	mg/Kg
86-30-6	n-Nitrosodiphenylamine	2.00	UD	0.38	2.00	mg/Kg
101-55-3	4-Bromophenyl-phenylether	2.00	UD	0.32	2.00	mg/Kg
118-74-1	Hexachlorobenzene	2.00	UD	0.29	2.00	mg/Kg
1912-24-9	Atrazine	2.00	UD	0.39	2.00	mg/Kg
87-86-5	Pentachlorophenol	3.80	UD	0.59	3.80	mg/Kg
85-01-8	Phenanthrene	2.00	UD	0.24	2.00	mg/Kg
120-12-7	Anthracene	2.00	UD	0.38	2.00	mg/Kg
86-74-8	Carbazole	2.00	UD	0.36	2.00	mg/Kg
84-74-2	Di-n-butylphthalate	2.00	UD	0.55	2.00	mg/Kg
206-44-0	Fluoranthene	2.00	D	0.35	2.00	mg/Kg
129-00-0	Pyrene	1.50	JD	0.42	2.00	mg/Kg
85-68-7	Butylbenzylphthalate	2.00	UD	0.82	2.00	mg/Kg
91-94-1	3,3-Dichlorobenzidine	3.80	UD	0.42	3.80	mg/Kg
56-55-3	Benzo(a)anthracene	1.30	JD	0.27	2.00	mg/Kg
218-01-9	Chrysene	1.10	JD	0.23	2.00	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	D	0.68	2.00	mg/Kg
117-84-0	Di-n-octyl phthalate	3.80	UD	1.00	3.80	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10	JD	0.22	2.00	mg/Kg

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207-08-9	Benzo(k)fluoranthene	2.00	UD	0.26	2.00	mg/Kg
50-32-8	Benzo(a)pyrene	2.00	UD	0.34	2.00	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.00	UD	0.34	2.00	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.00	UD	0.32	2.00	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.00	UD	0.30	2.00	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2.00	UD	0.30	2.00	mg/Kg
123-91-1	1,4-Dioxane	2.00	UD	0.52	2.00	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2.00	UD	0.32	2.00	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	26.7		18 - 112	18%	SPK: 150
13127-88-3	Phenol-d6	25.3		15 - 107	17%	SPK: 150
4165-60-0	Nitrobenzene-d5	27.1		18 - 107	27%	SPK: 100
321-60-8	2-Fluorobiphenyl	20.5		20 - 109	20%	SPK: 100
118-79-6	2,4,6-Tribromophenol	26.4		10 - 116	18%	SPK: 150
1718-51-0	Terphenyl-d14	15.1		10 - 105	15%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	24700	6.892			
1146-65-2	Naphthalene-d8	88500	8.175			
15067-26-2	Acenaphthene-d10	43100	9.933			
1517-22-2	Phenanthrene-d10	65900	11.427			
1719-03-5	Chrysene-d12	74400	14.068			
1520-96-3	Perylene-d12	83400	15.545			

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