

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	Lawrenceville HQ	Date Received:	10/29/25
Client Sample ID:	LAW-25-0151	SDG No.:	Q3490
Lab Sample ID:	Q3490-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Level :	LOW
		Final Vol:	1000 uL
		Prep Date:	10/30/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	19.8	U	10	9.30	19.8	mg/Kg	10/31/25 01:09	PB170325
108-95-2	Phenol	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 01:09	PB170325
111-44-4	bis(2-Chloroethyl)ether	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
95-57-8	2-Chlorophenol	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
95-48-7	2-Methylphenol	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 01:09	PB170325
108-60-1	2,2-oxybis(1-Chloropropane)	10.2	U	10	2.20	10.2	mg/Kg	10/31/25 01:09	PB170325
98-86-2	Acetophenone	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 01:09	PB170325
65794-96-9	3+4-Methylphenols	19.8	U	10	2.50	19.8	mg/Kg	10/31/25 01:09	PB170325
621-64-7	n-Nitroso-di-n-propylamine	4.80	U	10	2.80	4.80	mg/Kg	10/31/25 01:09	PB170325
67-72-1	Hexachloroethane	10.2	U	10	1.10	10.2	mg/Kg	10/31/25 01:09	PB170325
98-95-3	Nitrobenzene	10.2	U	10	1.10	10.2	mg/Kg	10/31/25 01:09	PB170325
78-59-1	Isophorone	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 01:09	PB170325
88-75-5	2-Nitrophenol	10.2	U	10	3.50	10.2	mg/Kg	10/31/25 01:09	PB170325
105-67-9	2,4-Dimethylphenol	10.2	U	10	3.90	10.2	mg/Kg	10/31/25 01:09	PB170325
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 01:09	PB170325
120-83-2	2,4-Dichlorophenol	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
91-20-3	Naphthalene	6.40	J	10	1.40	10.2	mg/Kg	10/31/25 01:09	PB170325
106-47-8	4-Chloroaniline	10.2	U	10	2.10	10.2	mg/Kg	10/31/25 01:09	PB170325
87-68-3	Hexachlorobutadiene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
105-60-2	Caprolactam	19.8	U	10	3.10	19.8	mg/Kg	10/31/25 01:09	PB170325
59-50-7	4-Chloro-3-methylphenol	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
91-57-6	2-Methylnaphthalene	11.7		10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
77-47-4	Hexachlorocyclopentadiene	19.8	U	10	6.90	19.8	mg/Kg	10/31/25 01:09	PB170325
88-06-2	2,4,6-Trichlorophenol	10.2	U	10	1.20	10.2	mg/Kg	10/31/25 01:09	PB170325
95-95-4	2,4,5-Trichlorophenol	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
92-52-4	1,1-Biphenyl	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 01:09	PB170325
91-58-7	2-Chloronaphthalene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 01:09	PB170325
88-74-4	2-Nitroaniline	10.2	U	10	2.90	10.2	mg/Kg	10/31/25 01:09	PB170325
131-11-3	Dimethylphthalate	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 01:09	PB170325
208-96-8	Acenaphthylene	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
606-20-2	2,6-Dinitrotoluene	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 01:09	PB170325
99-09-2	3-Nitroaniline	10.2	U	10	2.80	10.2	mg/Kg	10/31/25 01:09	PB170325
83-32-9	Acenaphthene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 01:09	PB170325
51-28-5	2,4-Dinitrophenol	19.8	U	10	13.7	19.8	mg/Kg	10/31/25 01:09	PB170325
100-02-7	4-Nitrophenol	19.8	U	10	6.40	19.8	mg/Kg	10/31/25 01:09	PB170325
132-64-9	Dibenzofuran	10.2	U	10	1.40	10.2	mg/Kg	10/31/25 01:09	PB170325
121-14-2	2,4-Dinitrotoluene	10.2	U	10	3.00	10.2	mg/Kg	10/31/25 01:09	PB170325
84-66-2	Diethylphthalate	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
7005-72-3	4-Chlorophenyl-phenylether	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 01:09	PB170325
86-73-7	Fluorene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
100-01-6	4-Nitroaniline	10.2	U	10	3.80	10.2	mg/Kg	10/31/25 01:09	PB170325
534-52-1	4,6-Dinitro-2-methylphenol	19.8	U	10	6.20	19.8	mg/Kg	10/31/25 01:09	PB170325

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Lab Sample ID:	Q3490-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Level :	LOW
		Final Vol:	1000 uL
		Prep Date:	10/30/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 01:09	PB170325
101-55-3	4-Bromophenyl-phenylether	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
118-74-1	Hexachlorobenzene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
1912-24-9	Atrazine	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 01:09	PB170325
87-86-5	Pentachlorophenol	19.8	U	10	3.10	19.8	mg/Kg	10/31/25 01:09	PB170325
85-01-8	Phenanthrene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 01:09	PB170325
120-12-7	Anthracene	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 01:09	PB170325
86-74-8	Carbazole	10.2	U	10	1.90	10.2	mg/Kg	10/31/25 01:09	PB170325
84-74-2	Di-n-butylphthalate	10.2	U	10	2.90	10.2	mg/Kg	10/31/25 01:09	PB170325
206-44-0	Fluoranthene	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 01:09	PB170325
129-00-0	Pyrene	4.40	J	10	2.20	10.2	mg/Kg	10/31/25 01:09	PB170325
85-68-7	Butylbenzylphthalate	10.2	U	10	4.30	10.2	mg/Kg	10/31/25 01:09	PB170325
91-94-1	3,3-Dichlorobenzidine	19.8	U	10	2.20	19.8	mg/Kg	10/31/25 01:09	PB170325
56-55-3	Benzo(a)anthracene	10.2	U	10	1.40	10.2	mg/Kg	10/31/25 01:09	PB170325
218-01-9	Chrysene	10.2	U	10	1.20	10.2	mg/Kg	10/31/25 01:09	PB170325
117-81-7	Bis(2-ethylhexyl)phthalate	36.7		10	3.50	10.2	mg/Kg	10/31/25 01:09	PB170325
117-84-0	Di-n-octyl phthalate	19.8	U	10	5.20	19.8	mg/Kg	10/31/25 01:09	PB170325
205-99-2	Benzo(b)fluoranthene	10.2	U	10	1.10	10.2	mg/Kg	10/31/25 01:09	PB170325
207-08-9	Benzo(k)fluoranthene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 01:09	PB170325
50-32-8	Benzo(a)pyrene	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 01:09	PB170325
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 01:09	PB170325
53-70-3	Dibenzo(a,h)anthracene	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 01:09	PB170325
191-24-2	Benzo(g,h,i)perylene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
95-94-3	1,2,4,5-Tetrachlorobenzene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 01:09	PB170325
123-91-1	1,4-Dioxane	10.2	U	10	2.70	10.2	mg/Kg	10/31/25 01:09	PB170325
58-90-2	2,3,4,6-Tetrachlorophenol	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 01:09	PB170325

SURROGATES

367-12-4	2-Fluorophenol	38.7		18 - 112	26%	SPK: 150
13127-88-3	Phenol-d6	47.8		15 - 107	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.0		18 - 107	34%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.0		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.3		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	58.7		10 - 105	59%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	53200
1146-65-2	Naphthalene-d8	182000
15067-26-2	Acenaphthene-d10	90000
1517-22-2	Phenanthrene-d10	170000
1719-03-5	Chrysene-d12	106000
1520-96-3	Perylene-d12	80100

TENTATIVE IDENTIFIED COMPOUNDS

000149-57-5	Hexanoic acid, 2-ethyl-	90500	J	7.59	ug/Kg
000629-50-5	Tridecane	26200	J	8.74	ug/Kg

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Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/30/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
90-12-0	1-Methylnaphthalene	6100	J			8.97	ug/Kg		
013287-21-3	Tridecane, 6-methyl-	34600	J			9.31	ug/Kg		
000581-40-8	Naphthalene, 2,3-dimethyl-	22800	J			9.57	ug/Kg		
000544-76-3	Hexadecane	36300	J			9.85	ug/Kg		
004292-19-7	Dodecane, 1-iodo-	44700	J			10.3	ug/Kg		
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	74200	J			10.8	ug/Kg		
001559-34-8	3,6,9,12-Tetraoxahexadecan-1-ol	51100	J			11.0	ug/Kg		
000593-45-3	Octadecane	65200	J			11.3	ug/Kg		
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	25900	J			11.3	ug/Kg		
000629-92-5	Nonadecane	80400	J			11.7	ug/Kg		
000112-39-0	Hexadecanoic acid, methyl ester	205000	J			11.8	ug/Kg		
000646-31-1	Tetracosane	91800	J			12.1	ug/Kg		
1000309-18-4	Sulfurous acid, butyl heptadecyl e	20100	J			12.4	ug/Kg		
013058-52-1	Methyl 9-cis,11-trans-octadecadien	426000	J			12.5	ug/Kg		
000112-61-8	Methyl stearate	134000	J			12.6	ug/Kg		
000629-97-0	Docosane	39900	J			13.2	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