

Report of Analysis

Client:	PSEG	Date Collected:	11/14/25
Project:	PSEG Hillsdale SGMO	Date Received:	11/14/25
Client Sample ID:	VNJ-212	SDG No.:	Q3647
Lab Sample ID:	Q3647-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.2
Sample Wt/Vol:	50.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level:	LOW
		Final Vol:	1000 uL
		Prep Date:	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.21	U	1	0.098	0.21	mg/Kg	11/17/25 20:48	PB170576
108-95-2	Phenol	0.11	U	1	0.014	0.11	mg/Kg	11/17/25 20:48	PB170576
111-44-4	bis(2-Chloroethyl)ether	0.11	U	1	0.015	0.11	mg/Kg	11/17/25 20:48	PB170576
95-57-8	2-Chlorophenol	0.11	U	1	0.015	0.11	mg/Kg	11/17/25 20:48	PB170576
95-48-7	2-Methylphenol	0.11	U	1	0.019	0.11	mg/Kg	11/17/25 20:48	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	1	0.024	0.11	mg/Kg	11/17/25 20:48	PB170576
98-86-2	Acetophenone	0.11	U	1	0.019	0.11	mg/Kg	11/17/25 20:48	PB170576
65794-96-9	3+4-Methylphenols	0.21	U	1	0.026	0.21	mg/Kg	11/17/25 20:48	PB170576
621-64-7	n-Nitroso-di-n-propylamine	0.050	U	1	0.030	0.050	mg/Kg	11/17/25 20:48	PB170576
67-72-1	Hexachloroethane	0.11	U	1	0.011	0.11	mg/Kg	11/17/25 20:48	PB170576
98-95-3	Nitrobenzene	0.11	U	1	0.012	0.11	mg/Kg	11/17/25 20:48	PB170576
78-59-1	Isophorone	0.11	U	1	0.021	0.11	mg/Kg	11/17/25 20:48	PB170576
88-75-5	2-Nitrophenol	0.11	U	1	0.037	0.11	mg/Kg	11/17/25 20:48	PB170576
105-67-9	2,4-Dimethylphenol	0.11	U	1	0.041	0.11	mg/Kg	11/17/25 20:48	PB170576
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	1	0.019	0.11	mg/Kg	11/17/25 20:48	PB170576
120-83-2	2,4-Dichlorophenol	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
91-20-3	Naphthalene	0.11	U	1	0.014	0.11	mg/Kg	11/17/25 20:48	PB170576
106-47-8	4-Chloroaniline	0.11	U	1	0.022	0.11	mg/Kg	11/17/25 20:48	PB170576
87-68-3	Hexachlorobutadiene	0.11	U	1	0.016	0.11	mg/Kg	11/17/25 20:48	PB170576
105-60-2	Caprolactam	0.21	U	1	0.033	0.21	mg/Kg	11/17/25 20:48	PB170576
59-50-7	4-Chloro-3-methylphenol	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
91-57-6	2-Methylnaphthalene	0.11	U	1	0.016	0.11	mg/Kg	11/17/25 20:48	PB170576
77-47-4	Hexachlorocyclopentadiene	0.21	U	1	0.073	0.21	mg/Kg	11/17/25 20:48	PB170576
88-06-2	2,4,6-Trichlorophenol	0.11	U	1	0.013	0.11	mg/Kg	11/17/25 20:48	PB170576
95-95-4	2,4,5-Trichlorophenol	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
92-52-4	1,1-Biphenyl	0.11	U	1	0.014	0.11	mg/Kg	11/17/25 20:48	PB170576
91-58-7	2-Chloronaphthalene	0.11	U	1	0.014	0.11	mg/Kg	11/17/25 20:48	PB170576
88-74-4	2-Nitroaniline	0.11	U	1	0.030	0.11	mg/Kg	11/17/25 20:48	PB170576
131-11-3	Dimethylphthalate	0.11	U	1	0.017	0.11	mg/Kg	11/17/25 20:48	PB170576
208-96-8	Acenaphthylene	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
606-20-2	2,6-Dinitrotoluene	0.11	U	1	0.021	0.11	mg/Kg	11/17/25 20:48	PB170576
99-09-2	3-Nitroaniline	0.11	U	1	0.029	0.11	mg/Kg	11/17/25 20:48	PB170576
83-32-9	Acenaphthene	0.11	U	1	0.013	0.11	mg/Kg	11/17/25 20:48	PB170576
51-28-5	2,4-Dinitrophenol	0.21	U	1	0.14	0.21	mg/Kg	11/17/25 20:48	PB170576
100-02-7	4-Nitrophenol	0.21	U	1	0.067	0.21	mg/Kg	11/17/25 20:48	PB170576
132-64-9	Dibenzofuran	0.11	U	1	0.014	0.11	mg/Kg	11/17/25 20:48	PB170576
121-14-2	2,4-Dinitrotoluene	0.11	U	1	0.032	0.11	mg/Kg	11/17/25 20:48	PB170576
84-66-2	Diethylphthalate	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	1	0.017	0.11	mg/Kg	11/17/25 20:48	PB170576
86-73-7	Fluorene	0.11	U	1	0.016	0.11	mg/Kg	11/17/25 20:48	PB170576
100-01-6	4-Nitroaniline	0.11	U	1	0.040	0.11	mg/Kg	11/17/25 20:48	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	1	0.065	0.21	mg/Kg	11/17/25 20:48	PB170576

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Lab Sample ID:	Q3647-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.2
Sample Wt/Vol:	50.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.11	U	1	0.021	0.11	mg/Kg	11/17/25 20:48	PB170576
101-55-3	4-Bromophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
118-74-1	Hexachlorobenzene	0.11	U	1	0.016	0.11	mg/Kg	11/17/25 20:48	PB170576
1912-24-9	Atrazine	0.11	U	1	0.021	0.11	mg/Kg	11/17/25 20:48	PB170576
87-86-5	Pentachlorophenol	0.21	U	1	0.032	0.21	mg/Kg	11/17/25 20:48	PB170576
85-01-8	Phenanthrene	0.11	U	1	0.013	0.11	mg/Kg	11/17/25 20:48	PB170576
120-12-7	Anthracene	0.11	U	1	0.021	0.11	mg/Kg	11/17/25 20:48	PB170576
86-74-8	Carbazole	0.11	U	1	0.020	0.11	mg/Kg	11/17/25 20:48	PB170576
84-74-2	Di-n-butylphthalate	0.11	U	1	0.030	0.11	mg/Kg	11/17/25 20:48	PB170576
206-44-0	Fluoranthene	0.11	U	1	0.019	0.11	mg/Kg	11/17/25 20:48	PB170576
129-00-0	Pyrene	0.11	U	1	0.023	0.11	mg/Kg	11/17/25 20:48	PB170576
85-68-7	Butylbenzylphthalate	0.11	U	1	0.045	0.11	mg/Kg	11/17/25 20:48	PB170576
91-94-1	3,3-Dichlorobenzidine	0.21	U	1	0.023	0.21	mg/Kg	11/17/25 20:48	PB170576
56-55-3	Benzo(a)anthracene	0.11	U	1	0.015	0.11	mg/Kg	11/17/25 20:48	PB170576
218-01-9	Chrysene	0.11	U	1	0.013	0.11	mg/Kg	11/17/25 20:48	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	1	0.037	0.11	mg/Kg	11/17/25 20:48	PB170576
117-84-0	Di-n-octyl phthalate	0.21	U	1	0.055	0.21	mg/Kg	11/17/25 20:48	PB170576
205-99-2	Benzo(b)fluoranthene	0.11	U	1	0.012	0.11	mg/Kg	11/17/25 20:48	PB170576
207-08-9	Benzo(k)fluoranthene	0.11	U	1	0.014	0.11	mg/Kg	11/17/25 20:48	PB170576
50-32-8	Benzo(a)pyrene	0.11	U	1	0.019	0.11	mg/Kg	11/17/25 20:48	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	1	0.018	0.11	mg/Kg	11/17/25 20:48	PB170576
53-70-3	Dibenzo(a,h)anthracene	0.11	U	1	0.017	0.11	mg/Kg	11/17/25 20:48	PB170576
191-24-2	Benzo(g,h,i)perylene	0.11	U	1	0.016	0.11	mg/Kg	11/17/25 20:48	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	1	0.016	0.11	mg/Kg	11/17/25 20:48	PB170576
123-91-1	1,4-Dioxane	0.11	U	1	0.029	0.11	mg/Kg	11/17/25 20:48	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	1	0.017	0.11	mg/Kg	11/17/25 20:48	PB170576

SURROGATES

367-12-4	2-Fluorophenol	52.0		10 - 105	35%	SPK: 150
13127-88-3	Phenol-d6	60.0		10 - 103	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.1		10 - 108	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.3		10 - 108	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	35.8		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	47.5		10 - 109	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33200
1146-65-2	Naphthalene-d8	127000
15067-26-2	Acenaphthene-d10	101000
1517-22-2	Phenanthrene-d10	250000
1719-03-5	Chrysene-d12	331000
1520-96-3	Perylene-d12	345000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	43.5	J	16.1	ug/Kg
006765-39-5	1-Heptadecene	69.7	J	21.4	ug/Kg

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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