

Report of Analysis

Client: PSEG
Project: PSEG Pennsauken Class H Sub
Client Sample ID: SOIL#2
Lab Sample ID: Q3801-06
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 12/08/25

Date Collected: 12/05/25
Date Received: 12/05/25
SDG No.: Q3801
Matrix: SOIL
% Solid: 91.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.22	U	1	0.10	0.22	mg/Kg	12/09/25 19:01	PB170865
108-95-2	Phenol	0.11	U	1	0.015	0.11	mg/Kg	12/09/25 19:01	PB170865
111-44-4	bis(2-Chloroethyl)ether	0.11	U	1	0.016	0.11	mg/Kg	12/09/25 19:01	PB170865
95-57-8	2-Chlorophenol	0.11	U	1	0.016	0.11	mg/Kg	12/09/25 19:01	PB170865
95-48-7	2-Methylphenol	0.11	U	1	0.020	0.11	mg/Kg	12/09/25 19:01	PB170865
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	1	0.025	0.11	mg/Kg	12/09/25 19:01	PB170865
98-86-2	Acetophenone	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
65794-96-9	3+4-Methylphenols	0.22	U	1	0.027	0.22	mg/Kg	12/09/25 19:01	PB170865
621-64-7	n-Nitroso-di-n-propylamine	0.053	U	1	0.031	0.053	mg/Kg	12/09/25 19:01	PB170865
67-72-1	Hexachloroethane	0.11	U	1	0.012	0.11	mg/Kg	12/09/25 19:01	PB170865
98-95-3	Nitrobenzene	0.11	U	1	0.012	0.11	mg/Kg	12/09/25 19:01	PB170865
78-59-1	Isophorone	0.11	U	1	0.022	0.11	mg/Kg	12/09/25 19:01	PB170865
88-75-5	2-Nitrophenol	0.11	U	1	0.038	0.11	mg/Kg	12/09/25 19:01	PB170865
105-67-9	2,4-Dimethylphenol	0.11	U	1	0.043	0.11	mg/Kg	12/09/25 19:01	PB170865
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	1	0.020	0.11	mg/Kg	12/09/25 19:01	PB170865
120-83-2	2,4-Dichlorophenol	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
91-20-3	Naphthalene	0.11	U	1	0.015	0.11	mg/Kg	12/09/25 19:01	PB170865
106-47-8	4-Chloroaniline	0.11	U	1	0.023	0.11	mg/Kg	12/09/25 19:01	PB170865
87-68-3	Hexachlorobutadiene	0.11	U	1	0.017	0.11	mg/Kg	12/09/25 19:01	PB170865
105-60-2	Caprolactam	0.22	U	1	0.034	0.22	mg/Kg	12/09/25 19:01	PB170865
59-50-7	4-Chloro-3-methylphenol	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
91-57-6	2-Methylnaphthalene	0.11	U	1	0.017	0.11	mg/Kg	12/09/25 19:01	PB170865
77-47-4	Hexachlorocyclopentadiene	0.22	U	1	0.076	0.22	mg/Kg	12/09/25 19:01	PB170865
88-06-2	2,4,6-Trichlorophenol	0.11	U	1	0.013	0.11	mg/Kg	12/09/25 19:01	PB170865
95-95-4	2,4,5-Trichlorophenol	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
92-52-4	1,1-Biphenyl	0.11	U	1	0.014	0.11	mg/Kg	12/09/25 19:01	PB170865
91-58-7	2-Chloronaphthalene	0.11	U	1	0.015	0.11	mg/Kg	12/09/25 19:01	PB170865
88-74-4	2-Nitroaniline	0.11	U	1	0.032	0.11	mg/Kg	12/09/25 19:01	PB170865
131-11-3	Dimethylphthalate	0.11	U	1	0.018	0.11	mg/Kg	12/09/25 19:01	PB170865
208-96-8	Acenaphthylene	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
606-20-2	2,6-Dinitrotoluene	0.11	U	1	0.022	0.11	mg/Kg	12/09/25 19:01	PB170865
99-09-2	3-Nitroaniline	0.11	U	1	0.030	0.11	mg/Kg	12/09/25 19:01	PB170865
83-32-9	Acenaphthene	0.11	U	1	0.014	0.11	mg/Kg	12/09/25 19:01	PB170865
51-28-5	2,4-Dinitrophenol	0.22	U	1	0.15	0.22	mg/Kg	12/09/25 19:01	PB170865
100-02-7	4-Nitrophenol	0.22	U	1	0.070	0.22	mg/Kg	12/09/25 19:01	PB170865
132-64-9	Dibenzofuran	0.11	U	1	0.015	0.11	mg/Kg	12/09/25 19:01	PB170865
121-14-2	2,4-Dinitrotoluene	0.11	U	1	0.033	0.11	mg/Kg	12/09/25 19:01	PB170865
84-66-2	Diethylphthalate	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	12/09/25 19:01	PB170865
86-73-7	Fluorene	0.11	U	1	0.017	0.11	mg/Kg	12/09/25 19:01	PB170865
100-01-6	4-Nitroaniline	0.11	U	1	0.042	0.11	mg/Kg	12/09/25 19:01	PB170865
534-52-1	4,6-Dinitro-2-methylphenol	0.22	U	1	0.068	0.22	mg/Kg	12/09/25 19:01	PB170865

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Client:	PSEG	Date Collected:	12/05/25
Project:	PSEG Pennsauken Class H Sub	Date Received:	12/05/25
Client Sample ID:	SOIL#2	SDG No.:	Q3801
Lab Sample ID:	Q3801-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	50.07 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.11	U	1	0.022	0.11	mg/Kg	12/09/25 19:01	PB170865
101-55-3	4-Bromophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	12/09/25 19:01	PB170865
118-74-1	Hexachlorobenzene	0.11	U	1	0.017	0.11	mg/Kg	12/09/25 19:01	PB170865
1912-24-9	Atrazine	0.11	U	1	0.022	0.11	mg/Kg	12/09/25 19:01	PB170865
87-86-5	Pentachlorophenol	0.22	U	1	0.034	0.22	mg/Kg	12/09/25 19:01	PB170865
85-01-8	Phenanthrene	0.11	U	1	0.014	0.11	mg/Kg	12/09/25 19:01	PB170865
120-12-7	Anthracene	0.11	U	1	0.022	0.11	mg/Kg	12/09/25 19:01	PB170865
86-74-8	Carbazole	0.11	U	1	0.021	0.11	mg/Kg	12/09/25 19:01	PB170865
84-74-2	Di-n-butylphthalate	0.11	U	1	0.031	0.11	mg/Kg	12/09/25 19:01	PB170865
206-44-0	Fluoranthene	0.093	J	1	0.020	0.11	mg/Kg	12/09/25 19:01	PB170865
129-00-0	Pyrene	0.076	J	1	0.024	0.11	mg/Kg	12/09/25 19:01	PB170865
85-68-7	Butylbenzylphthalate	0.11	U	1	0.047	0.11	mg/Kg	12/09/25 19:01	PB170865
91-94-1	3,3-Dichlorobenzidine	0.22	U	1	0.024	0.22	mg/Kg	12/09/25 19:01	PB170865
56-55-3	Benzo(a)anthracene	0.11	U	1	0.015	0.11	mg/Kg	12/09/25 19:01	PB170865
218-01-9	Chrysene	0.059	J	1	0.013	0.11	mg/Kg	12/09/25 19:01	PB170865
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	1	0.039	0.11	mg/Kg	12/09/25 19:01	PB170865
117-84-0	Di-n-octyl phthalate	0.22	U	1	0.057	0.22	mg/Kg	12/09/25 19:01	PB170865
205-99-2	Benzo(b)fluoranthene	0.082	J	1	0.013	0.11	mg/Kg	12/09/25 19:01	PB170865
207-08-9	Benzo(k)fluoranthene	0.11	U	1	0.015	0.11	mg/Kg	12/09/25 19:01	PB170865
50-32-8	Benzo(a)pyrene	0.047	J	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	1	0.019	0.11	mg/Kg	12/09/25 19:01	PB170865
53-70-3	Dibenzo(a,h)anthracene	0.11	U	1	0.018	0.11	mg/Kg	12/09/25 19:01	PB170865
191-24-2	Benzo(g,h,i)perylene	0.11	U	1	0.017	0.11	mg/Kg	12/09/25 19:01	PB170865
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	1	0.017	0.11	mg/Kg	12/09/25 19:01	PB170865
123-91-1	1,4-Dioxane	0.11	U	1	0.030	0.11	mg/Kg	12/09/25 19:01	PB170865
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	1	0.018	0.11	mg/Kg	12/09/25 19:01	PB170865

SURROGATES

367-12-4	2-Fluorophenol	64.2		10 - 105	43%	SPK: 150
13127-88-3	Phenol-d6	64.5		10 - 103	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.5		10 - 108	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.9		10 - 108	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.9		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	45.2		10 - 109	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	210000
1146-65-2	Naphthalene-d8	860000
15067-26-2	Acenaphthene-d10	566000
1517-22-2	Phenanthrene-d10	1140000
1719-03-5	Chrysene-d12	1220000
1520-96-3	Perylene-d12	1380000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	94.5	J	15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J	18.0	ug/Kg

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Lab Sample ID:	Q3801-06	Matrix:	SOIL
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	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.07 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	360	J			19.4	ug/Kg		
000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	100	J			20.5	ug/Kg		
000506-51-4	n-Tetracosanol-1	130	J			21.2	ug/Kg		
014739-72-1	Heneicosane, 11-pentyl-	44.8	J			24.0	ug/Kg		
000646-31-1	Tetracosane	120	J			26.2	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