

Report of Analysis

Client:	PSEG	Date Collected:	12/09/25
Project:	PSEG Deans Switching Station	Date Received:	12/09/25
Client Sample ID:	RT4262	SDG No.:	Q3827
Lab Sample ID:	Q3827-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.10	U	1	0.10	0.21	mg/Kg	12/10/25 22:00	PB170885
108-95-2	Phenol	0.014	U	1	0.014	0.11	mg/Kg	12/10/25 22:00	PB170885
111-44-4	bis(2-Chloroethyl)ether	0.016	U	1	0.016	0.11	mg/Kg	12/10/25 22:00	PB170885
95-57-8	2-Chlorophenol	0.016	U	1	0.016	0.11	mg/Kg	12/10/25 22:00	PB170885
95-48-7	2-Methylphenol	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
108-60-1	2,2-oxybis(1-Chloropropane)	0.024	U	1	0.024	0.11	mg/Kg	12/10/25 22:00	PB170885
98-86-2	Acetophenone	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
65794-96-9	3+4-Methylphenols	0.027	U	1	0.027	0.21	mg/Kg	12/10/25 22:00	PB170885
621-64-7	n-Nitroso-di-n-propylamine	0.031	U	1	0.031	0.052	mg/Kg	12/10/25 22:00	PB170885
67-72-1	Hexachloroethane	0.011	U	1	0.011	0.11	mg/Kg	12/10/25 22:00	PB170885
98-95-3	Nitrobenzene	0.012	U	1	0.012	0.11	mg/Kg	12/10/25 22:00	PB170885
78-59-1	Isophorone	0.021	U	1	0.021	0.11	mg/Kg	12/10/25 22:00	PB170885
88-75-5	2-Nitrophenol	0.038	U	1	0.038	0.11	mg/Kg	12/10/25 22:00	PB170885
105-67-9	2,4-Dimethylphenol	0.042	U	1	0.042	0.11	mg/Kg	12/10/25 22:00	PB170885
111-91-1	bis(2-Chloroethoxy)methane	0.020	U	1	0.020	0.11	mg/Kg	12/10/25 22:00	PB170885
120-83-2	2,4-Dichlorophenol	0.018	U	1	0.018	0.11	mg/Kg	12/10/25 22:00	PB170885
91-20-3	Naphthalene	0.015	U	1	0.015	0.11	mg/Kg	12/10/25 22:00	PB170885
106-47-8	4-Chloroaniline	0.023	U	1	0.023	0.11	mg/Kg	12/10/25 22:00	PB170885
87-68-3	Hexachlorobutadiene	0.016	U	1	0.016	0.11	mg/Kg	12/10/25 22:00	PB170885
105-60-2	Caprolactam	0.034	U	1	0.034	0.21	mg/Kg	12/10/25 22:00	PB170885
59-50-7	4-Chloro-3-methylphenol	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
91-57-6	2-Methylnaphthalene	0.017	U	1	0.017	0.11	mg/Kg	12/10/25 22:00	PB170885
77-47-4	Hexachlorocyclopentadiene	0.075	U	1	0.075	0.21	mg/Kg	12/10/25 22:00	PB170885
88-06-2	2,4,6-Trichlorophenol	0.013	U	1	0.013	0.11	mg/Kg	12/10/25 22:00	PB170885
95-95-4	2,4,5-Trichlorophenol	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
92-52-4	1,1-Biphenyl	0.014	U	1	0.014	0.11	mg/Kg	12/10/25 22:00	PB170885
91-58-7	2-Chloronaphthalene	0.015	U	1	0.015	0.11	mg/Kg	12/10/25 22:00	PB170885
88-74-4	2-Nitroaniline	0.031	U	1	0.031	0.11	mg/Kg	12/10/25 22:00	PB170885
131-11-3	Dimethylphthalate	0.018	U	1	0.018	0.11	mg/Kg	12/10/25 22:00	PB170885
208-96-8	Acenaphthylene	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
606-20-2	2,6-Dinitrotoluene	0.022	U	1	0.022	0.11	mg/Kg	12/10/25 22:00	PB170885
99-09-2	3-Nitroaniline	0.030	U	1	0.030	0.11	mg/Kg	12/10/25 22:00	PB170885
83-32-9	Acenaphthene	0.014	U	1	0.014	0.11	mg/Kg	12/10/25 22:00	PB170885
51-28-5	2,4-Dinitrophenol	0.15	U	1	0.15	0.21	mg/Kg	12/10/25 22:00	PB170885
100-02-7	4-Nitrophenol	0.069	U	1	0.069	0.21	mg/Kg	12/10/25 22:00	PB170885
132-64-9	Dibenzofuran	0.015	U	1	0.015	0.11	mg/Kg	12/10/25 22:00	PB170885
121-14-2	2,4-Dinitrotoluene	0.032	U	1	0.032	0.11	mg/Kg	12/10/25 22:00	PB170885
84-66-2	Diethylphthalate	0.018	U	1	0.018	0.11	mg/Kg	12/10/25 22:00	PB170885
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	1	0.017	0.11	mg/Kg	12/10/25 22:00	PB170885
86-73-7	Fluorene	0.016	U	1	0.016	0.11	mg/Kg	12/10/25 22:00	PB170885
100-01-6	4-Nitroaniline	0.041	U	1	0.041	0.11	mg/Kg	12/10/25 22:00	PB170885
534-52-1	4,6-Dinitro-2-methylphenol	0.066	U	1	0.066	0.21	mg/Kg	12/10/25 22:00	PB170885

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Lab Sample ID:	Q3827-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.021	U	1	0.021	0.11	mg/Kg	12/10/25 22:00	PB170885
101-55-3	4-Bromophenyl-phenylether	0.018	U	1	0.018	0.11	mg/Kg	12/10/25 22:00	PB170885
118-74-1	Hexachlorobenzene	0.016	U	1	0.016	0.11	mg/Kg	12/10/25 22:00	PB170885
1912-24-9	Atrazine	0.022	U	1	0.022	0.11	mg/Kg	12/10/25 22:00	PB170885
87-86-5	Pentachlorophenol	0.033	U	1	0.033	0.21	mg/Kg	12/10/25 22:00	PB170885
85-01-8	Phenanthrene	0.014	U	1	0.014	0.11	mg/Kg	12/10/25 22:00	PB170885
120-12-7	Anthracene	0.022	U	1	0.022	0.11	mg/Kg	12/10/25 22:00	PB170885
86-74-8	Carbazole	0.020	U	1	0.020	0.11	mg/Kg	12/10/25 22:00	PB170885
84-74-2	Di-n-butylphthalate	0.031	U	1	0.031	0.11	mg/Kg	12/10/25 22:00	PB170885
206-44-0	Fluoranthene	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
129-00-0	Pyrene	0.023	U	1	0.023	0.11	mg/Kg	12/10/25 22:00	PB170885
85-68-7	Butylbenzylphthalate	0.046	U	1	0.046	0.11	mg/Kg	12/10/25 22:00	PB170885
91-94-1	3,3-Dichlorobenzidine	0.024	U	1	0.024	0.21	mg/Kg	12/10/25 22:00	PB170885
56-55-3	Benzo(a)anthracene	0.015	U	1	0.015	0.11	mg/Kg	12/10/25 22:00	PB170885
218-01-9	Chrysene	0.013	U	1	0.013	0.11	mg/Kg	12/10/25 22:00	PB170885
117-81-7	Bis(2-ethylhexyl)phthalate	0.038	U	1	0.038	0.11	mg/Kg	12/10/25 22:00	PB170885
117-84-0	Di-n-octyl phthalate	0.056	U	1	0.056	0.21	mg/Kg	12/10/25 22:00	PB170885
205-99-2	Benzo(b)fluoranthene	0.012	U	1	0.012	0.11	mg/Kg	12/10/25 22:00	PB170885
207-08-9	Benzo(k)fluoranthene	0.014	U	1	0.014	0.11	mg/Kg	12/10/25 22:00	PB170885
50-32-8	Benzo(a)pyrene	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	U	1	0.019	0.11	mg/Kg	12/10/25 22:00	PB170885
53-70-3	Dibenzo(a,h)anthracene	0.018	U	1	0.018	0.11	mg/Kg	12/10/25 22:00	PB170885
191-24-2	Benzo(g,h,i)perylene	0.017	U	1	0.017	0.11	mg/Kg	12/10/25 22:00	PB170885
95-94-3	1,2,4,5-Tetrachlorobenzene	0.017	U	1	0.017	0.11	mg/Kg	12/10/25 22:00	PB170885
123-91-1	1,4-Dioxane	0.029	U	1	0.029	0.11	mg/Kg	12/10/25 22:00	PB170885
58-90-2	2,3,4,6-Tetrachlorophenol	0.018	U	1	0.018	0.11	mg/Kg	12/10/25 22:00	PB170885

SURROGATES

367-12-4	2-Fluorophenol	82.8		10 - 105	55%	SPK: 150
13127-88-3	Phenol-d6	78.2		10 - 103	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.9		10 - 108	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.4		10 - 108	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.0		10 - 116	60%	SPK: 150
1718-51-0	Terphenyl-d14	56.3		10 - 109	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	181000
1146-65-2	Naphthalene-d8	683000
15067-26-2	Acenaphthene-d10	438000
1517-22-2	Phenanthrene-d10	896000
1719-03-5	Chrysene-d12	1010000
1520-96-3	Perylene-d12	1220000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	150	J	15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J	18.0	ug/Kg

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000057-11-4	Octadecanoic acid	130	J			19.4	ug/Kg		
088104-31-8	2- Chloropropionic acid, octadecyl	69.0	J			21.2	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