

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	GW South OP Pole	Date Received:	04/25/25
Client Sample ID:	WC-3	SDG No.:	Q1900
Lab Sample ID:	Q1900-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.1
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050075.D	5	04/29/25 09:30	05/01/25 21:57	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.20	U	0.55	1.20	mg/Kg
108-95-2	Phenol	0.60	U	0.078	0.60	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.60	U	0.086	0.60	mg/Kg
95-57-8	2-Chlorophenol	0.60	U	0.086	0.60	mg/Kg
95-48-7	2-Methylphenol	0.60	U	0.11	0.60	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.60	U	0.13	0.60	mg/Kg
98-86-2	Acetophenone	0.60	U	0.10	0.60	mg/Kg
65794-96-9	3+4-Methylphenols	1.20	U	0.14	1.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.28	U	0.17	0.28	mg/Kg
67-72-1	Hexachloroethane	0.60	U	0.062	0.60	mg/Kg
98-95-3	Nitrobenzene	0.60	U	0.064	0.60	mg/Kg
78-59-1	Isophorone	0.60	U	0.12	0.60	mg/Kg
88-75-5	2-Nitrophenol	0.60	U	0.20	0.60	mg/Kg
105-67-9	2,4-Dimethylphenol	0.60	U	0.23	0.60	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.60	U	0.11	0.60	mg/Kg
120-83-2	2,4-Dichlorophenol	0.60	U	0.100	0.60	mg/Kg
91-20-3	Naphthalene	0.60	U	0.080	0.60	mg/Kg
106-47-8	4-Chloroaniline	0.60	U	0.12	0.60	mg/Kg
87-68-3	Hexachlorobutadiene	0.60	U	0.089	0.60	mg/Kg
105-60-2	Caprolactam	1.20	U	0.18	1.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.10	0.60	mg/Kg
91-57-6	2-Methylnaphthalene	0.60	U	0.090	0.60	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.20	U	0.41	1.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.60	U	0.070	0.60	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.60	U	0.10	0.60	mg/Kg
92-52-4	1,1-Biphenyl	0.60	U	0.077	0.60	mg/Kg
91-58-7	2-Chloronaphthalene	0.60	U	0.079	0.60	mg/Kg
88-74-4	2-Nitroaniline	0.60	U	0.17	0.60	mg/Kg
131-11-3	Dimethylphthalate	0.60	U	0.095	0.60	mg/Kg

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Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

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208-96-8	Acenaphthylene	0.57	J	0.10	0.60	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.60	U	0.12	0.60	mg/Kg
99-09-2	3-Nitroaniline	0.60	U	0.16	0.60	mg/Kg
83-32-9	Acenaphthene	0.60	U	0.075	0.60	mg/Kg
51-28-5	2,4-Dinitrophenol	1.20	U	0.81	1.20	mg/Kg
100-02-7	4-Nitrophenol	1.20	U	0.38	1.20	mg/Kg
132-64-9	Dibenzofuran	0.60	U	0.080	0.60	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.60	U	0.18	0.60	mg/Kg
84-66-2	Diethylphthalate	0.60	U	0.100	0.60	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.60	U	0.094	0.60	mg/Kg
86-73-7	Fluorene	0.60	U	0.089	0.60	mg/Kg
100-01-6	4-Nitroaniline	0.60	U	0.23	0.60	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.20	U	0.36	1.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.12	0.60	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.60	U	0.098	0.60	mg/Kg
118-74-1	Hexachlorobenzene	0.60	U	0.089	0.60	mg/Kg
1912-24-9	Atrazine	0.60	U	0.12	0.60	mg/Kg
87-86-5	Pentachlorophenol	1.20	U	0.18	1.20	mg/Kg
85-01-8	Phenanthrene	1.60		0.074	0.60	mg/Kg
120-12-7	Anthracene	0.44	J	0.12	0.60	mg/Kg
86-74-8	Carbazole	0.60	U	0.11	0.60	mg/Kg
84-74-2	Di-n-butylphthalate	0.60	U	0.17	0.60	mg/Kg
206-44-0	Fluoranthene	3.90		0.11	0.60	mg/Kg
129-00-0	Pyrene	3.40		0.13	0.60	mg/Kg
85-68-7	Butylbenzylphthalate	0.60	U	0.25	0.60	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.20	U	0.13	1.20	mg/Kg
56-55-3	Benzo(a)anthracene	1.90		0.081	0.60	mg/Kg
218-01-9	Chrysene	1.70		0.070	0.60	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.60	U	0.21	0.60	mg/Kg
117-84-0	Di-n-octyl phthalate	1.20	U	0.31	1.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.80		0.067	0.60	mg/Kg

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Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
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207-08-9	Benzo(k)fluoranthene	0.70		0.079	0.60	mg/Kg
50-32-8	Benzo(a)pyrene	1.30		0.10	0.60	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.67		0.10	0.60	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.24	J	0.097	0.60	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.75		0.091	0.60	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.60	U	0.090	0.60	mg/Kg
123-91-1	1,4-Dioxane	0.60	U	0.16	0.60	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.60	U	0.097	0.60	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	64.8		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	60.7		15 - 107	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	36.0		18 - 107	36%	SPK: 100
321-60-8	2-Fluorobiphenyl	33.5		20 - 109	34%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.1		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	33.1		10 - 105	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	267000	7.751
1146-65-2	Naphthalene-d8	977000	10.539
15067-26-2	Acenaphthene-d10	684000	14.392
1517-22-2	Phenanthrene-d10	1420000	17.139
1719-03-5	Chrysene-d12	1420000	21.38
1520-96-3	Perylene-d12	1390000	24.374

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	320	J	15.8	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	680	J	18.0	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	770	J	18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	960	J	18.2	ug/Kg
000613-12-7	Anthracene, 2-methyl-	500	J	18.3	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	370	J	18.5	ug/Kg
000781-43-1	9,10-Dimethylanthracene	530	J	18.9	ug/Kg

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		Final Vol:	1000
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	unknown19.003	340	J		19.0	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	470	J		19.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	290	J		19.9	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	240	J		20.1	ug/Kg
000192-97-2	Benzo[e]pyrene	1100	J		24.1	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