

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	PSEG 1500 Clinton St	Date Received:	06/05/25
Client Sample ID:	TP-2	SDG No.:	Q2240
Lab Sample ID:	Q2240-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.7
Sample Wt/Vol:	50.02	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
BP024903.D	5	06/06/25 09:30	06/10/25 21:13	PB168321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.20	U	0.57	1.20	mg/Kg
108-95-2	Phenol	0.62	U	0.080	0.62	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.62	U	0.088	0.62	mg/Kg
95-57-8	2-Chlorophenol	0.62	U	0.089	0.62	mg/Kg
95-48-7	2-Methylphenol	0.62	U	0.11	0.62	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.62	U	0.14	0.62	mg/Kg
98-86-2	Acetophenone	0.62	U	0.11	0.62	mg/Kg
65794-96-9	3+4-Methylphenols	1.20	U	0.15	1.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.29	U	0.17	0.29	mg/Kg
67-72-1	Hexachloroethane	0.62	U	0.064	0.62	mg/Kg
98-95-3	Nitrobenzene	0.62	U	0.066	0.62	mg/Kg
78-59-1	Isophorone	0.62	U	0.12	0.62	mg/Kg
88-75-5	2-Nitrophenol	0.62	U	0.21	0.62	mg/Kg
105-67-9	2,4-Dimethylphenol	0.62	U	0.23	0.62	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.62	U	0.11	0.62	mg/Kg
120-83-2	2,4-Dichlorophenol	0.62	U	0.10	0.62	mg/Kg
91-20-3	Naphthalene	0.62	U	0.082	0.62	mg/Kg
106-47-8	4-Chloroaniline	0.62	U	0.13	0.62	mg/Kg
87-68-3	Hexachlorobutadiene	0.62	U	0.092	0.62	mg/Kg
105-60-2	Caprolactam	1.20	U	0.19	1.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.62	U	0.10	0.62	mg/Kg
91-57-6	2-Methylnaphthalene	0.62	U	0.093	0.62	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.20	U	0.42	1.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.62	U	0.072	0.62	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.11	0.62	mg/Kg
92-52-4	1,1-Biphenyl	0.62	U	0.079	0.62	mg/Kg
91-58-7	2-Chloronaphthalene	0.62	U	0.082	0.62	mg/Kg
88-74-4	2-Nitroaniline	0.62	U	0.17	0.62	mg/Kg
131-11-3	Dimethylphthalate	0.62	U	0.098	0.62	mg/Kg

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

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208-96-8	Acenaphthylene	0.62	U	0.10	0.62	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.62	U	0.12	0.62	mg/Kg
99-09-2	3-Nitroaniline	0.62	U	0.17	0.62	mg/Kg
83-32-9	Acenaphthene	0.37	J	0.077	0.62	mg/Kg
51-28-5	2,4-Dinitrophenol	1.20	U	0.83	1.20	mg/Kg
100-02-7	4-Nitrophenol	1.20	U	0.39	1.20	mg/Kg
132-64-9	Dibenzofuran	0.62	U	0.082	0.62	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.62	U	0.18	0.62	mg/Kg
84-66-2	Diethylphthalate	0.62	U	0.10	0.62	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.62	U	0.097	0.62	mg/Kg
86-73-7	Fluorene	0.33	J	0.092	0.62	mg/Kg
100-01-6	4-Nitroaniline	0.62	U	0.23	0.62	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.20	U	0.37	1.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.62	U	0.12	0.62	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.62	U	0.10	0.62	mg/Kg
118-74-1	Hexachlorobenzene	0.62	U	0.092	0.62	mg/Kg
1912-24-9	Atrazine	0.62	U	0.12	0.62	mg/Kg
87-86-5	Pentachlorophenol	1.20	U	0.19	1.20	mg/Kg
85-01-8	Phenanthrene	2.50		0.076	0.62	mg/Kg
120-12-7	Anthracene	0.92		0.12	0.62	mg/Kg
86-74-8	Carbazole	0.62	U	0.11	0.62	mg/Kg
84-74-2	Di-n-butylphthalate	0.62	U	0.17	0.62	mg/Kg
206-44-0	Fluoranthene	4.20		0.11	0.62	mg/Kg
129-00-0	Pyrene	3.90		0.13	0.62	mg/Kg
85-68-7	Butylbenzylphthalate	0.62	U	0.26	0.62	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.20	U	0.13	1.20	mg/Kg
56-55-3	Benzo(a)anthracene	2.00		0.083	0.62	mg/Kg
218-01-9	Chrysene	1.90		0.072	0.62	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.62	U	0.21	0.62	mg/Kg
117-84-0	Di-n-octyl phthalate	1.20	U	0.31	1.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.40		0.069	0.62	mg/Kg

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

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207-08-9	Benzo(k)fluoranthene	0.73		0.081	0.62	mg/Kg
50-32-8	Benzo(a)pyrene	1.90		0.11	0.62	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.00		0.11	0.62	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.33	J	0.099	0.62	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.30		0.093	0.62	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.62	U	0.093	0.62	mg/Kg
123-91-1	1,4-Dioxane	0.62	U	0.16	0.62	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.62	U	0.099	0.62	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.6		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.7		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.3		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.6		10 - 116	60%	SPK: 150
1718-51-0	Terphenyl-d14	48.3		10 - 105	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	253000	7.614
1146-65-2	Naphthalene-d8	1030000	10.384
15067-26-2	Acenaphthene-d10	643000	14.26
1517-22-2	Phenanthrene-d10	1260000	17.06
1719-03-5	Chrysene-d12	1350000	21.495
1520-96-3	Perylene-d12	1620000	24.766

TENTATIVE IDENTIFIED COMPOUNDS

002051-30-1	Octane, 2,6-dimethyl-	260	J	11.4	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	270	J	13.6	ug/Kg
000544-76-3	Hexadecane	260	J	13.7	ug/Kg
000259-79-0	Biphenylene	320	J	14.0	ug/Kg
032078-92-5	3-Chloro-5,6,7,8-tetrahydrocinnoli	360	J	14.7	ug/Kg
066563-30-2	Bacchotricuneatin c	310	J	15.5	ug/Kg
000119-61-9	Benzophenone	330	J	15.6	ug/Kg

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054105-67-8	Heptadecane, 2,6-dimethyl-	650	J		16.0	ug/Kg
000248-13-5	Azuleno(2,1-b)thiophene	500	J		16.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	540	J		18.0	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	940	J		18.0	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	340	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1200	J		18.2	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	390	J		18.2	ug/Kg
034373-96-1	9,10-Bis(bromomethyl)anthracene	300	J		18.5	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	470	J		18.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	280	J		19.3	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	310	J		20.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	320	J		20.2	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