

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	PSEG 1500 Clinton St	Date Received:	06/05/25
Client Sample ID:	TP-1	SDG No.:	Q2240
Lab Sample ID:	Q2240-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78
Sample Wt/Vol:	50.08	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
BP024900.D	1	06/06/25 09:30	06/10/25 19:10	PB168321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.25	U	0.12	0.25	mg/Kg
108-95-2	Phenol	0.13	U	0.017	0.13	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.13	U	0.019	0.13	mg/Kg
95-57-8	2-Chlorophenol	0.13	U	0.019	0.13	mg/Kg
95-48-7	2-Methylphenol	0.13	U	0.023	0.13	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.13	U	0.029	0.13	mg/Kg
98-86-2	Acetophenone	0.13	U	0.023	0.13	mg/Kg
65794-96-9	3+4-Methylphenols	0.25	U	0.032	0.25	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.061	U	0.036	0.061	mg/Kg
67-72-1	Hexachloroethane	0.13	U	0.014	0.13	mg/Kg
98-95-3	Nitrobenzene	0.13	U	0.014	0.13	mg/Kg
78-59-1	Isophorone	0.13	U	0.025	0.13	mg/Kg
88-75-5	2-Nitrophenol	0.13	U	0.045	0.13	mg/Kg
105-67-9	2,4-Dimethylphenol	0.13	U	0.050	0.13	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.13	U	0.024	0.13	mg/Kg
120-83-2	2,4-Dichlorophenol	0.13	U	0.022	0.13	mg/Kg
91-20-3	Naphthalene	0.13	U	0.017	0.13	mg/Kg
106-47-8	4-Chloroaniline	0.13	U	0.027	0.13	mg/Kg
87-68-3	Hexachlorobutadiene	0.13	U	0.019	0.13	mg/Kg
105-60-2	Caprolactam	0.25	U	0.040	0.25	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.13	U	0.022	0.13	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.020	0.13	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.25	U	0.089	0.25	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.13	U	0.015	0.13	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.13	U	0.022	0.13	mg/Kg
92-52-4	1,1-Biphenyl	0.13	U	0.017	0.13	mg/Kg
91-58-7	2-Chloronaphthalene	0.13	U	0.017	0.13	mg/Kg
88-74-4	2-Nitroaniline	0.13	U	0.037	0.13	mg/Kg
131-11-3	Dimethylphthalate	0.13	U	0.021	0.13	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
		Final Vol:	1000
		PH :	

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208-96-8	Acenaphthylene	0.056	J	0.022	0.13	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.13	U	0.026	0.13	mg/Kg
99-09-2	3-Nitroaniline	0.13	U	0.035	0.13	mg/Kg
83-32-9	Acenaphthene	0.084	J	0.016	0.13	mg/Kg
51-28-5	2,4-Dinitrophenol	0.25	U	0.18	0.25	mg/Kg
100-02-7	4-Nitrophenol	0.25	U	0.082	0.25	mg/Kg
132-64-9	Dibenzofuran	0.13	U	0.017	0.13	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.13	U	0.039	0.13	mg/Kg
84-66-2	Diethylphthalate	0.13	U	0.022	0.13	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.13	U	0.021	0.13	mg/Kg
86-73-7	Fluorene	0.080	J	0.019	0.13	mg/Kg
100-01-6	4-Nitroaniline	0.13	U	0.049	0.13	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.25	U	0.079	0.25	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.13	U	0.025	0.13	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.021	0.13	mg/Kg
118-74-1	Hexachlorobenzene	0.13	U	0.019	0.13	mg/Kg
1912-24-9	Atrazine	0.13	U	0.026	0.13	mg/Kg
87-86-5	Pentachlorophenol	0.25	U	0.039	0.25	mg/Kg
85-01-8	Phenanthrene	1.00		0.016	0.13	mg/Kg
120-12-7	Anthracene	0.18		0.026	0.13	mg/Kg
86-74-8	Carbazole	0.13	U	0.024	0.13	mg/Kg
84-74-2	Di-n-butylphthalate	0.13	U	0.037	0.13	mg/Kg
206-44-0	Fluoranthene	1.10		0.023	0.13	mg/Kg
129-00-0	Pyrene	1.30		0.028	0.13	mg/Kg
85-68-7	Butylbenzylphthalate	0.13	U	0.055	0.13	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.25	U	0.028	0.25	mg/Kg
56-55-3	Benzo(a)anthracene	0.64		0.018	0.13	mg/Kg
218-01-9	Chrysene	0.70		0.015	0.13	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.13	U	0.046	0.13	mg/Kg
117-84-0	Di-n-octyl phthalate	0.25	U	0.067	0.25	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.67		0.015	0.13	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 :
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207-08-9	Benzo(k)fluoranthene	0.28		0.017	0.13	mg/Kg
50-32-8	Benzo(a)pyrene	0.60		0.023	0.13	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.30		0.022	0.13	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.098	J	0.021	0.13	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.40		0.020	0.13	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.13	U	0.020	0.13	mg/Kg
123-91-1	1,4-Dioxane	0.13	U	0.035	0.13	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.13	U	0.021	0.13	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	89.9		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	93.3		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.8		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.6		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.3		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	38.1		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	307000	7.608
1146-65-2	Naphthalene-d8	1280000	10.378
15067-26-2	Acenaphthene-d10	790000	14.26
1517-22-2	Phenanthrene-d10	1540000	17.066
1719-03-5	Chrysene-d12	1590000	21.495
1520-96-3	Perylene-d12	1910000	24.754

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A	4.77	ug/Kg
000119-61-9	Benzophenone	140	J	15.6	ug/Kg
002141-42-6	Anthracene, 1,2,3,4-tetrahydro-	89.3	J	16.8	ug/Kg
000132-65-0	Dibenzothiophene	75.0	J	16.9	ug/Kg
000244-99-5	5H-Indeno[1,2-b]pyridine	70.1	J	17.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	280	J	18.0	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	560	J	18.0	ug/Kg

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000613-12-7	Anthracene, 2-methyl-	98.8	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	430	J		18.2	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	200	J		18.2	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	130	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	120	J		18.5	ug/Kg
003674-69-9	Phenanthrene, 4,5-dimethyl-	76.0	J		18.8	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	69.1	J		18.8	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J		18.9	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	160	J		19.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	73.0	J		19.9	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	99.1	J		20.1	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	69.6	J		21.2	ug/Kg
000192-97-2	Benzo[e]pyrene	590	J		24.4	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