

Report of Analysis

Client:	PSEG	Date Collected:	08/08/25
Project:	PSEG Metro Way	Date Received:	08/08/25
Client Sample ID:	TP-7	SDG No.:	Q2808
Lab Sample ID:	Q2808-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	66.5
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
BP025370.D	2	08/11/25 09:32	08/12/25 17:19	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.59	U	0.28	0.59	mg/Kg
108-95-2	Phenol	0.31	U	0.040	0.31	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.31	U	0.044	0.31	mg/Kg
95-57-8	2-Chlorophenol	0.31	U	0.044	0.31	mg/Kg
95-48-7	2-Methylphenol	0.31	U	0.054	0.31	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.31	U	0.068	0.31	mg/Kg
98-86-2	Acetophenone	0.31	U	0.053	0.31	mg/Kg
65794-96-9	3+4-Methylphenols	0.59	U	0.074	0.59	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.14	U	0.085	0.14	mg/Kg
67-72-1	Hexachloroethane	0.31	U	0.032	0.31	mg/Kg
98-95-3	Nitrobenzene	0.31	U	0.033	0.31	mg/Kg
78-59-1	Isophorone	0.31	U	0.059	0.31	mg/Kg
88-75-5	2-Nitrophenol	0.31	U	0.10	0.31	mg/Kg
105-67-9	2,4-Dimethylphenol	0.31	U	0.12	0.31	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.31	U	0.056	0.31	mg/Kg
120-83-2	2,4-Dichlorophenol	0.31	U	0.051	0.31	mg/Kg
91-20-3	Naphthalene	0.40		0.041	0.31	mg/Kg
106-47-8	4-Chloroaniline	0.31	U	0.064	0.31	mg/Kg
87-68-3	Hexachlorobutadiene	0.31	U	0.046	0.31	mg/Kg
105-60-2	Caprolactam	0.59	U	0.094	0.59	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.31	U	0.052	0.31	mg/Kg
91-57-6	2-Methylnaphthalene	0.25	J	0.046	0.31	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.59	U	0.21	0.59	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.31	U	0.036	0.31	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.31	U	0.052	0.31	mg/Kg
92-52-4	1,1-Biphenyl	0.31	U	0.039	0.31	mg/Kg
91-58-7	2-Chloronaphthalene	0.31	U	0.041	0.31	mg/Kg
88-74-4	2-Nitroaniline	0.31	U	0.087	0.31	mg/Kg
131-11-3	Dimethylphthalate	0.31	U	0.049	0.31	mg/Kg

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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	0.31	U	0.052	0.31	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.31	U	0.061	0.31	mg/Kg
99-09-2	3-Nitroaniline	0.31	U	0.083	0.31	mg/Kg
83-32-9	Acenaphthene	0.69		0.038	0.31	mg/Kg
51-28-5	2,4-Dinitrophenol	0.59	U	0.41	0.59	mg/Kg
100-02-7	4-Nitrophenol	0.59	U	0.19	0.59	mg/Kg
132-64-9	Dibenzofuran	0.43		0.041	0.31	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.31	U	0.090	0.31	mg/Kg
84-66-2	Diethylphthalate	0.31	U	0.051	0.31	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.31	U	0.048	0.31	mg/Kg
86-73-7	Fluorene	0.95		0.046	0.31	mg/Kg
100-01-6	4-Nitroaniline	0.31	U	0.12	0.31	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	0.19	0.59	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.31	U	0.059	0.31	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.31	U	0.050	0.31	mg/Kg
118-74-1	Hexachlorobenzene	0.31	U	0.046	0.31	mg/Kg
1912-24-9	Atrazine	0.31	U	0.061	0.31	mg/Kg
87-86-5	Pentachlorophenol	0.59	U	0.092	0.59	mg/Kg
85-01-8	Phenanthrene	4.40		0.038	0.31	mg/Kg
120-12-7	Anthracene	1.40		0.060	0.31	mg/Kg
86-74-8	Carbazole	0.38		0.056	0.31	mg/Kg
84-74-2	Di-n-butylphthalate	0.31	U	0.086	0.31	mg/Kg
206-44-0	Fluoranthene	4.20		0.054	0.31	mg/Kg
129-00-0	Pyrene	3.70		0.065	0.31	mg/Kg
85-68-7	Butylbenzylphthalate	0.31	U	0.13	0.31	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.59	U	0.066	0.59	mg/Kg
56-55-3	Benzo(a)anthracene	2.10		0.041	0.31	mg/Kg
218-01-9	Chrysene	1.90		0.036	0.31	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.47		0.11	0.31	mg/Kg
117-84-0	Di-n-octyl phthalate	0.59	U	0.16	0.59	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.90		0.034	0.31	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.75		0.040	0.31	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.053	0.31	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.74		0.052	0.31	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.27	J	0.049	0.31	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.77		0.046	0.31	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.31	U	0.046	0.31	mg/Kg
123-91-1	1,4-Dioxane	0.31	U	0.081	0.31	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.31	U	0.049	0.31	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.2		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	75.3		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.6		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.9		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.7		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	41.9		10 - 105	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	235000	7.802
1146-65-2	Naphthalene-d8	950000	10.572
15067-26-2	Acenaphthene-d10	583000	14.425
1517-22-2	Phenanthrene-d10	1080000	17.231
1719-03-5	Chrysene-d12	978000	21.677
1520-96-3	Perylene-d12	1170000	25.077

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	570	J	3.06	ug/Kg
90-12-0	1-Methylnaphthalene	210	J	12.5	ug/Kg
000119-61-9	Benzophenone	390	J	15.8	ug/Kg
001730-37-6	9H-Fluorene, 1-methyl-	150	J	16.5	ug/Kg
036393-42-7	4-(4-Methylphenyl)benzaldehyde	150	J	17.0	ug/Kg
000132-65-0	Dibenzothiophene	370	J	17.0	ug/Kg
000260-94-6	Acridine	180	J	17.4	ug/Kg

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082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	200	J		17.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	490	J		18.1	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1300	J		18.2	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	310	J		18.3	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1200	J		18.3	ug/Kg
000779-02-2	Anthracene, 9-methyl-	290	J		18.4	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	280	J		18.7	ug/Kg
052251-71-5	Anthracene, 2-ethyl-	320	J		18.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	1100	J		19.4	ug/Kg
000483-65-8	Retene	310	J		20.2	ug/Kg
002381-21-7	Pyrene, 1-methyl-	250	J		20.3	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	290	J		20.3	ug/Kg
	unknown21.330	170	J		21.3	ug/Kg
000192-97-2	Benzo[e]pyrene	1200	J		24.8	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