

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	PSEG Onyx to STL poles	Date Received:	06/11/25
Client Sample ID:	WC-6	SDG No.:	Q2296
Lab Sample ID:	Q2296-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
Sample Wt/Vol:	50.08	Units:	g
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		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024936.D	1	06/12/25 08:55	06/12/25 19:18	PB168437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.23	U	0.11	0.23	mg/Kg
108-95-2	Phenol	0.12	U	0.015	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.017	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.12	U	0.017	0.12	mg/Kg
95-48-7	2-Methylphenol	0.12	U	0.021	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	0.026	0.12	mg/Kg
98-86-2	Acetophenone	0.12	U	0.020	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.23	U	0.028	0.23	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.055	U	0.033	0.055	mg/Kg
67-72-1	Hexachloroethane	0.12	U	0.012	0.12	mg/Kg
98-95-3	Nitrobenzene	0.12	U	0.013	0.12	mg/Kg
78-59-1	Isophorone	0.12	U	0.023	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.12	U	0.040	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.12	U	0.044	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.12	U	0.021	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.12	U	0.019	0.12	mg/Kg
91-20-3	Naphthalene	0.12	U	0.016	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.12	U	0.024	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.12	U	0.017	0.12	mg/Kg
105-60-2	Caprolactam	0.23	U	0.036	0.23	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.12	U	0.020	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.12	U	0.018	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.23	U	0.079	0.23	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.12	U	0.014	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.12	U	0.020	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.015	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.12	U	0.015	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.12	U	0.033	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.12	U	0.019	0.12	mg/Kg

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Injection Volume :		Level :	LOW
		GPC Factor :	1.0
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208-96-8	Acenaphthylene	0.19		0.020	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.12	U	0.023	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.12	U	0.032	0.12	mg/Kg
83-32-9	Acenaphthene	0.067	J	0.015	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.23	U	0.16	0.23	mg/Kg
100-02-7	4-Nitrophenol	0.23	U	0.073	0.23	mg/Kg
132-64-9	Dibenzofuran	0.12	U	0.016	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.12	U	0.034	0.12	mg/Kg
84-66-2	Diethylphthalate	0.12	U	0.019	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	0.018	0.12	mg/Kg
86-73-7	Fluorene	0.067	J	0.017	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.12	U	0.044	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	0.071	0.23	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.12	U	0.023	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.12	U	0.019	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.12	U	0.017	0.12	mg/Kg
1912-24-9	Atrazine	0.12	U	0.023	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.48		0.035	0.23	mg/Kg
85-01-8	Phenanthrene	1.10		0.014	0.12	mg/Kg
120-12-7	Anthracene	0.33		0.023	0.12	mg/Kg
86-74-8	Carbazole	0.14		0.021	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.12	U	0.033	0.12	mg/Kg
206-44-0	Fluoranthene	2.80	E	0.021	0.12	mg/Kg
129-00-0	Pyrene	2.40	E	0.025	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.12	U	0.049	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.23	U	0.025	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.016	0.12	mg/Kg
218-01-9	Chrysene	1.50		0.014	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.12	U	0.041	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.23	U	0.059	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.10	E	0.013	0.12	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.68		0.015	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.020	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.00		0.020	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.30		0.019	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.30		0.018	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	0.018	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.12	U	0.031	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	0.019	0.12	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	92.3		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	91.5		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.1		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.2		10 - 116	64%	SPK: 150
1718-51-0	Terphenyl-d14	48.5		10 - 105	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	283000	7.613
1146-65-2	Naphthalene-d8	1140000	10.384
15067-26-2	Acenaphthene-d10	707000	14.254
1517-22-2	Phenanthrene-d10	1340000	17.06
1719-03-5	Chrysene-d12	1360000	21.495
1520-96-3	Perylene-d12	1660000	24.783

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A	4.77	ug/Kg
000119-61-9	Benzophenone	220	J	15.6	ug/Kg
002235-15-6	1(2H)-Acenaphthylene	76.4	J	16.0	ug/Kg
000132-65-0	Dibenzothiophene	73.3	J	16.9	ug/Kg
010030-73-6	(E)-Hexadec-9-enoic acid	240	J	17.9	ug/Kg
000610-48-0	Anthracene, 1-methyl-	200	J	18.0	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	650	J	18.0	ug/Kg

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000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b-	100	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	400	J		18.2	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	120	J		18.2	ug/Kg
004630-20-0	3-Methylcarbazole	64.6	J		18.3	ug/Kg
000149-30-4	2-Mercaptobenzothiazole	79.2	J		18.4	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	140	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	190	J		18.5	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	150	J		18.9	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	170	J		19.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	81.2	J		20.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	66.9	J		20.3	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	92.7	J		21.2	ug/Kg
000192-97-2	Benzo[e]pyrene	1900	J		24.5	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