

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-1	SDG No.:	Q2296
Lab Sample ID:	Q2296-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.1
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 :	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024934.D	1	06/12/25 08:55	06/12/25 17:55	PB168437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.24	U	0.12	0.24	mg/Kg
108-95-2	Phenol	0.13	U	0.016	0.13	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.13	U	0.018	0.13	mg/Kg
95-57-8	2-Chlorophenol	0.13	U	0.018	0.13	mg/Kg
95-48-7	2-Methylphenol	0.13	U	0.022	0.13	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.13	U	0.028	0.13	mg/Kg
98-86-2	Acetophenone	0.13	U	0.022	0.13	mg/Kg
65794-96-9	3+4-Methylphenols	0.24	U	0.030	0.24	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.059	U	0.035	0.059	mg/Kg
67-72-1	Hexachloroethane	0.13	U	0.013	0.13	mg/Kg
98-95-3	Nitrobenzene	0.13	U	0.014	0.13	mg/Kg
78-59-1	Isophorone	0.13	U	0.024	0.13	mg/Kg
88-75-5	2-Nitrophenol	0.13	U	0.043	0.13	mg/Kg
105-67-9	2,4-Dimethylphenol	0.13	U	0.048	0.13	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.13	U	0.023	0.13	mg/Kg
120-83-2	2,4-Dichlorophenol	0.13	U	0.021	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	0.026	0.13	mg/Kg
87-68-3	Hexachlorobutadiene	0.13	U	0.019	0.13	mg/Kg
105-60-2	Caprolactam	0.24	U	0.039	0.24	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.13	U	0.021	0.13	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.019	0.13	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.24	U	0.086	0.24	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	0.016	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	0.036	0.13	mg/Kg
131-11-3	Dimethylphthalate	0.13	U	0.020	0.13	mg/Kg

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Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
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208-96-8	Acenaphthylene	0.32		0.021	0.13	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.13	U	0.025	0.13	mg/Kg
99-09-2	3-Nitroaniline	0.13	U	0.034	0.13	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.016	0.13	mg/Kg
51-28-5	2,4-Dinitrophenol	0.24	U	0.17	0.24	mg/Kg
100-02-7	4-Nitrophenol	0.24	U	0.079	0.24	mg/Kg
132-64-9	Dibenzofuran	0.13	U	0.017	0.13	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.13	U	0.037	0.13	mg/Kg
84-66-2	Diethylphthalate	0.13	U	0.021	0.13	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.13	U	0.020	0.13	mg/Kg
86-73-7	Fluorene	0.058	J	0.019	0.13	mg/Kg
100-01-6	4-Nitroaniline	0.13	U	0.047	0.13	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.24	U	0.076	0.24	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.13	U	0.024	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	0.025	0.13	mg/Kg
87-86-5	Pentachlorophenol	0.24	U	0.038	0.24	mg/Kg
85-01-8	Phenanthrene	0.74		0.015	0.13	mg/Kg
120-12-7	Anthracene	0.30		0.025	0.13	mg/Kg
86-74-8	Carbazole	0.073	J	0.023	0.13	mg/Kg
84-74-2	Di-n-butylphthalate	0.13	U	0.035	0.13	mg/Kg
206-44-0	Fluoranthene	2.00	E	0.022	0.13	mg/Kg
129-00-0	Pyrene	1.90		0.027	0.13	mg/Kg
85-68-7	Butylbenzylphthalate	0.13	U	0.053	0.13	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.24	U	0.027	0.24	mg/Kg
56-55-3	Benzo(a)anthracene	1.20		0.017	0.13	mg/Kg
218-01-9	Chrysene	1.30		0.015	0.13	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.10	J	0.044	0.13	mg/Kg
117-84-0	Di-n-octyl phthalate	0.24	U	0.064	0.24	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.70		0.014	0.13	mg/Kg

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		Final Vol:	1000
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207-08-9	Benzo(k)fluoranthene	0.57		0.017	0.13	mg/Kg
50-32-8	Benzo(a)pyrene	1.30		0.022	0.13	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.76		0.022	0.13	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.25		0.020	0.13	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.96		0.019	0.13	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.13	U	0.019	0.13	mg/Kg
123-91-1	1,4-Dioxane	0.13	U	0.033	0.13	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.13	U	0.020	0.13	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.5		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	83.0		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.5		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.8		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	45.1		10 - 105	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	249000	7.608
1146-65-2	Naphthalene-d8	976000	10.378
15067-26-2	Acenaphthene-d10	609000	14.249
1517-22-2	Phenanthrene-d10	1240000	17.066
1719-03-5	Chrysene-d12	1350000	21.501
1520-96-3	Perylene-d12	1630000	24.772

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A	4.77	ug/Kg
000119-61-9	Benzophenone	210	J	15.6	ug/Kg
002235-15-6	1(2H)-Acenaphthylene	72.1	J	16.0	ug/Kg
000610-48-0	Anthracene, 1-methyl-	230	J	18.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	570	J	18.0	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	110	J	18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	410	J	18.2	ug/Kg

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000832-69-9	Phenanthrene, 1-methyl-	170	J		18.2	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	160	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	170	J		18.5	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	81.0	J		18.8	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	75.8	J		18.8	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	260	J		18.9	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	230	J		19.1	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	87.2	J		21.1	ug/Kg
000203-12-3	Benzo[ghi]fluoranthene	100	J		21.2	ug/Kg
002498-76-2	Benz[a]anthracene, 2-methyl-	72.4	J		22.2	ug/Kg
000192-97-2	Benzo[e]pyrene	330	J		24.0	ug/Kg
000198-55-0	Perylene	1400	J		24.5	ug/Kg
000205-82-3	Benzo[j]fluoranthene	350	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