

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	PSEG Metro Way	Date Received:	08/11/25
Client Sample ID:	TP-8	SDG No.:	Q2827
Lab Sample ID:	Q2827-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.1
Sample Wt/Vol:	50.05	Units:	g
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 :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025373.D	1	08/12/25 09:15	08/12/25 19:23	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.37	U	0.17	0.37	mg/Kg
108-95-2	Phenol	0.19	U	0.025	0.19	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.19	U	0.027	0.19	mg/Kg
95-57-8	2-Chlorophenol	0.19	U	0.027	0.19	mg/Kg
95-48-7	2-Methylphenol	0.19	U	0.033	0.19	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.19	U	0.042	0.19	mg/Kg
98-86-2	Acetophenone	0.19	U	0.033	0.19	mg/Kg
65794-96-9	3+4-Methylphenols	0.37	U	0.046	0.37	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.089	U	0.053	0.089	mg/Kg
67-72-1	Hexachloroethane	0.19	U	0.020	0.19	mg/Kg
98-95-3	Nitrobenzene	0.19	U	0.020	0.19	mg/Kg
78-59-1	Isophorone	0.19	U	0.036	0.19	mg/Kg
88-75-5	2-Nitrophenol	0.19	U	0.065	0.19	mg/Kg
105-67-9	2,4-Dimethylphenol	0.19	U	0.072	0.19	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.19	U	0.034	0.19	mg/Kg
120-83-2	2,4-Dichlorophenol	0.19	U	0.031	0.19	mg/Kg
91-20-3	Naphthalene	0.19	U	0.025	0.19	mg/Kg
106-47-8	4-Chloroaniline	0.19	U	0.039	0.19	mg/Kg
87-68-3	Hexachlorobutadiene	0.19	U	0.028	0.19	mg/Kg
105-60-2	Caprolactam	0.37	U	0.058	0.37	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.19	U	0.032	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.028	0.19	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.37	U	0.13	0.37	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.19	U	0.022	0.19	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.19	U	0.032	0.19	mg/Kg
92-52-4	1,1-Biphenyl	0.19	U	0.024	0.19	mg/Kg
91-58-7	2-Chloronaphthalene	0.19	U	0.025	0.19	mg/Kg
88-74-4	2-Nitroaniline	0.19	U	0.053	0.19	mg/Kg
131-11-3	Dimethylphthalate	0.19	U	0.030	0.19	mg/Kg

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208-96-8	Acenaphthylene	0.19	U	0.032	0.19	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.19	U	0.037	0.19	mg/Kg
99-09-2	3-Nitroaniline	0.19	U	0.051	0.19	mg/Kg
83-32-9	Acenaphthene	0.13	J	0.024	0.19	mg/Kg
51-28-5	2,4-Dinitrophenol	0.37	U	0.25	0.37	mg/Kg
100-02-7	4-Nitrophenol	0.37	U	0.12	0.37	mg/Kg
132-64-9	Dibenzofuran	0.089	J	0.025	0.19	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.19	U	0.056	0.19	mg/Kg
84-66-2	Diethylphthalate	0.19	U	0.031	0.19	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	0.030	0.19	mg/Kg
86-73-7	Fluorene	0.23		0.028	0.19	mg/Kg
100-01-6	4-Nitroaniline	0.19	U	0.071	0.19	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.37	U	0.11	0.37	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.19	U	0.037	0.19	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.19	U	0.031	0.19	mg/Kg
118-74-1	Hexachlorobenzene	0.19	U	0.028	0.19	mg/Kg
1912-24-9	Atrazine	0.19	U	0.038	0.19	mg/Kg
87-86-5	Pentachlorophenol	0.37	U	0.057	0.37	mg/Kg
85-01-8	Phenanthrene	0.64		0.023	0.19	mg/Kg
120-12-7	Anthracene	0.10	J	0.037	0.19	mg/Kg
86-74-8	Carbazole	0.19	U	0.035	0.19	mg/Kg
84-74-2	Di-n-butylphthalate	0.098	J	0.053	0.19	mg/Kg
206-44-0	Fluoranthene	0.19		0.033	0.19	mg/Kg
129-00-0	Pyrene	0.18	J	0.040	0.19	mg/Kg
85-68-7	Butylbenzylphthalate	0.19	U	0.079	0.19	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.37	U	0.041	0.37	mg/Kg
56-55-3	Benzo(a)anthracene	0.19	U	0.026	0.19	mg/Kg
218-01-9	Chrysene	0.19	U	0.022	0.19	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.58		0.066	0.19	mg/Kg
117-84-0	Di-n-octyl phthalate	0.37	U	0.096	0.37	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.19	U	0.021	0.19	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.19	U	0.025	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.19	U	0.033	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.032	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.19	U	0.030	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.029	0.19	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.19	U	0.028	0.19	mg/Kg
123-91-1	1,4-Dioxane	0.19	U	0.050	0.19	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.19	U	0.030	0.19	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	66.4		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	62.9		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.8		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.3		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.5		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	43.0		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	232000	7.802
1146-65-2	Naphthalene-d8	939000	10.578
15067-26-2	Acenaphthene-d10	567000	14.425
1517-22-2	Phenanthrene-d10	1040000	17.231
1719-03-5	Chrysene-d12	1030000	21.66
1520-96-3	Perylene-d12	1220000	25.054

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	740	J	3.05	ug/Kg
90-12-0	1-Methylnaphthalene	77.2	J	12.5	ug/Kg
	unknown13.090	350	J	13.1	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	630	J	13.6	ug/Kg
000581-42-0	Naphthalene, 2,6-dimethyl-	640	J	13.7	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	180	J	13.8	ug/Kg
000571-61-9	Naphthalene, 1,5-dimethyl-	210	J	14.0	ug/Kg

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013567-54-9	1H-3a,7-Methanoazulene, octahydro-	770	J		14.2	ug/Kg
002131-42-2	Naphthalene, 1,4,6-trimethyl-	540	J		14.6	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	300	J		14.9	ug/Kg
002245-38-7	Naphthalene, 1,6,7-trimethyl-	250	J		15.1	ug/Kg
002131-41-1	Naphthalene, 1,4,5-trimethyl-	240	J		15.1	ug/Kg
000112-40-3	Dodecane	310	J		15.7	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	400	J		16.2	ug/Kg
000080-39-7	Benzenesulfonamide, N-ethyl-4-meth	240	J		16.5	ug/Kg
000629-99-2	Pentacosane	450	J		17.1	ug/Kg
000057-10-3	n-Hexadecanoic acid	760	J		18.2	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	180	J		18.9	ug/Kg
032624-67-2	10,18-Bisnorabieta-8,11,13-triene	180	J		19.1	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	1900	J		19.4	ug/Kg
000483-65-8	Retene	1100	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