

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	PSEG Metro Way	Date Received:	08/11/25
Client Sample ID:	TP-9	SDG No.:	Q2827
Lab Sample ID:	Q2827-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.8
Sample Wt/Vol:	50.01	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
BP025374.D	2	08/12/25 09:15	08/12/25 20:05	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.50	U	0.23	0.50	mg/Kg
108-95-2	Phenol	0.26	U	0.033	0.26	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.26	U	0.037	0.26	mg/Kg
95-57-8	2-Chlorophenol	0.26	U	0.037	0.26	mg/Kg
95-48-7	2-Methylphenol	0.26	U	0.045	0.26	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.26	U	0.056	0.26	mg/Kg
98-86-2	Acetophenone	0.26	U	0.044	0.26	mg/Kg
65794-96-9	3+4-Methylphenols	0.50	U	0.062	0.50	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.12	U	0.071	0.12	mg/Kg
67-72-1	Hexachloroethane	0.26	U	0.027	0.26	mg/Kg
98-95-3	Nitrobenzene	0.26	U	0.028	0.26	mg/Kg
78-59-1	Isophorone	0.26	U	0.049	0.26	mg/Kg
88-75-5	2-Nitrophenol	0.26	U	0.088	0.26	mg/Kg
105-67-9	2,4-Dimethylphenol	0.26	U	0.097	0.26	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.26	U	0.046	0.26	mg/Kg
120-83-2	2,4-Dichlorophenol	0.26	U	0.043	0.26	mg/Kg
91-20-3	Naphthalene	0.26	U	0.034	0.26	mg/Kg
106-47-8	4-Chloroaniline	0.26	U	0.053	0.26	mg/Kg
87-68-3	Hexachlorobutadiene	0.26	U	0.038	0.26	mg/Kg
105-60-2	Caprolactam	0.50	U	0.078	0.50	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.26	U	0.043	0.26	mg/Kg
91-57-6	2-Methylnaphthalene	0.28		0.039	0.26	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.50	U	0.17	0.50	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.26	U	0.030	0.26	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.26	U	0.044	0.26	mg/Kg
92-52-4	1,1-Biphenyl	0.26	U	0.033	0.26	mg/Kg
91-58-7	2-Chloronaphthalene	0.26	U	0.034	0.26	mg/Kg
88-74-4	2-Nitroaniline	0.26	U	0.072	0.26	mg/Kg
131-11-3	Dimethylphthalate	0.26	U	0.041	0.26	mg/Kg

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208-96-8	Acenaphthylene	0.26	U	0.044	0.26	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.26	U	0.051	0.26	mg/Kg
99-09-2	3-Nitroaniline	0.26	U	0.069	0.26	mg/Kg
83-32-9	Acenaphthene	1.40		0.032	0.26	mg/Kg
51-28-5	2,4-Dinitrophenol	0.50	U	0.34	0.50	mg/Kg
100-02-7	4-Nitrophenol	0.50	U	0.16	0.50	mg/Kg
132-64-9	Dibenzofuran	0.89		0.034	0.26	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.26	U	0.075	0.26	mg/Kg
84-66-2	Diethylphthalate	0.26	U	0.043	0.26	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.26	U	0.040	0.26	mg/Kg
86-73-7	Fluorene	2.30		0.038	0.26	mg/Kg
100-01-6	4-Nitroaniline	0.26	U	0.097	0.26	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.50	U	0.15	0.50	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.26	U	0.050	0.26	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.042	0.26	mg/Kg
118-74-1	Hexachlorobenzene	0.26	U	0.038	0.26	mg/Kg
1912-24-9	Atrazine	0.26	U	0.051	0.26	mg/Kg
87-86-5	Pentachlorophenol	0.50	U	0.077	0.50	mg/Kg
85-01-8	Phenanthrene	6.30	E	0.031	0.26	mg/Kg
120-12-7	Anthracene	1.50		0.050	0.26	mg/Kg
86-74-8	Carbazole	0.26	U	0.047	0.26	mg/Kg
84-74-2	Di-n-butylphthalate	0.26	U	0.072	0.26	mg/Kg
206-44-0	Fluoranthene	4.10	E	0.045	0.26	mg/Kg
129-00-0	Pyrene	3.40		0.054	0.26	mg/Kg
85-68-7	Butylbenzylphthalate	0.26	U	0.11	0.26	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.50	U	0.055	0.50	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.035	0.26	mg/Kg
218-01-9	Chrysene	1.50		0.030	0.26	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5.70	E	0.089	0.26	mg/Kg
117-84-0	Di-n-octyl phthalate	0.26	J	0.13	0.50	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.40		0.029	0.26	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.56		0.034	0.26	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.044	0.26	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.62		0.044	0.26	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.20	J	0.041	0.26	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.73		0.039	0.26	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.26	U	0.039	0.26	mg/Kg
123-91-1	1,4-Dioxane	0.26	U	0.068	0.26	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.26	U	0.041	0.26	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	57.4		18 - 112	38%	SPK: 150
13127-88-3	Phenol-d6	63.6		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.7		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.6		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		10 - 116	74%	SPK: 150
1718-51-0	Terphenyl-d14	51.8		10 - 105	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	223000	7.802
1146-65-2	Naphthalene-d8	784000	10.584
15067-26-2	Acenaphthene-d10	428000	14.431
1517-22-2	Phenanthrene-d10	814000	17.237
1719-03-5	Chrysene-d12	949000	21.672
1520-96-3	Perylene-d12	1150000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

001678-93-9	Cyclohexane, butyl-	1500	J	8.10	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	1600	J	9.00	ug/Kg
	unknown9.143	2300	J	9.14	ug/Kg
017312-76-4	Undecane, 6,6-dimethyl-	1100	J	11.6	ug/Kg
90-12-0	1-Methylnaphthalene	310	J	12.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	2400	J	13.0	ug/Kg
002613-76-5	1H-Indene, 2,3-dihydro-1,1,3-trime	1100	J	13.4	ug/Kg

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000575-41-7	Naphthalene, 1,3-dimethyl-	3800	J		13.6	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	3800	J		13.8	ug/Kg
000581-42-0	Naphthalene, 2,6-dimethyl-	1200	J		13.8	ug/Kg
1000382-54-3	Carbonic acid, eicosyl vinyl ester	2500	J		13.9	ug/Kg
002027-17-0	Naphthalene, 2-(1-methylethyl)-	2200	J		14.7	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	1500	J		14.9	ug/Kg
	unknown14.990	1300	J		15.0	ug/Kg
002131-42-2	Naphthalene, 1,4,6-trimethyl-	1400	J		15.1	ug/Kg
054774-89-9	Naphthalene, 2-methyl-1-propyl-	1000	J		15.6	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	2800	J		15.7	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	1900	J		16.2	ug/Kg
000629-99-2	Pentacosane	1700	J		17.1	ug/Kg
000483-65-8	Retene	1200	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