

Report of Analysis

Client:	PSEG	Date Collected:	07/22/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	07/22/25
Client Sample ID:	HD-02-07222025	SDG No.:	Q2676
Lab Sample ID:	Q2676-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	96
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	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
BF143244.D	10	07/23/25 11:50	07/24/25 20:22	PB168981

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.97	U	0.97	2.10	mg/Kg
108-95-2	Phenol	0.14	U	0.14	1.10	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.15	U	0.15	1.10	mg/Kg
95-57-8	2-Chlorophenol	0.15	U	0.15	1.10	mg/Kg
95-48-7	2-Methylphenol	0.19	U	0.19	1.10	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.23	U	0.23	1.10	mg/Kg
98-86-2	Acetophenone	0.18	U	0.18	1.10	mg/Kg
65794-96-9	3+4-Methylphenols	0.26	U	0.26	2.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.30	U	0.30	0.50	mg/Kg
67-72-1	Hexachloroethane	0.11	U	0.11	1.10	mg/Kg
98-95-3	Nitrobenzene	0.11	U	0.11	1.10	mg/Kg
78-59-1	Isophorone	0.20	U	0.20	1.10	mg/Kg
88-75-5	2-Nitrophenol	0.36	U	0.36	1.10	mg/Kg
105-67-9	2,4-Dimethylphenol	0.40	U	0.40	1.10	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.19	U	0.19	1.10	mg/Kg
120-83-2	2,4-Dichlorophenol	0.18	U	0.18	1.10	mg/Kg
91-20-3	Naphthalene	0.14	U	0.14	1.10	mg/Kg
106-47-8	4-Chloroaniline	0.22	U	0.22	1.10	mg/Kg
87-68-3	Hexachlorobutadiene	0.16	U	0.16	1.10	mg/Kg
105-60-2	Caprolactam	0.33	U	0.33	2.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.18	U	0.18	1.10	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.16	1.10	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.72	U	0.72	2.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.12	U	0.12	1.10	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.18	U	0.18	1.10	mg/Kg
92-52-4	1,1-Biphenyl	0.14	U	0.14	1.10	mg/Kg
91-58-7	2-Chloronaphthalene	0.14	U	0.14	1.10	mg/Kg
88-74-4	2-Nitroaniline	0.30	U	0.30	1.10	mg/Kg
131-11-3	Dimethylphthalate	0.17	U	0.17	1.10	mg/Kg

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208-96-8	Acenaphthylene	0.18	U	0.18	1.10	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.21	U	0.21	1.10	mg/Kg
99-09-2	3-Nitroaniline	0.29	U	0.29	1.10	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.13	1.10	mg/Kg
51-28-5	2,4-Dinitrophenol	1.40	U	1.40	2.10	mg/Kg
100-02-7	4-Nitrophenol	0.67	U	0.67	2.10	mg/Kg
132-64-9	Dibenzofuran	0.14	U	0.14	1.10	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.31	U	0.31	1.10	mg/Kg
84-66-2	Diethylphthalate	0.18	U	0.18	1.10	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.17	U	0.17	1.10	mg/Kg
86-73-7	Fluorene	0.16	U	0.16	1.10	mg/Kg
100-01-6	4-Nitroaniline	0.40	U	0.40	1.10	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.64	U	0.64	2.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.21	U	0.21	1.10	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.17	U	0.17	1.10	mg/Kg
118-74-1	Hexachlorobenzene	0.16	U	0.16	1.10	mg/Kg
1912-24-9	Atrazine	0.21	U	0.21	1.10	mg/Kg
87-86-5	Pentachlorophenol	0.32	U	0.32	2.10	mg/Kg
85-01-8	Phenanthrene	2.10		0.13	1.10	mg/Kg
120-12-7	Anthracene	0.68	J	0.21	1.10	mg/Kg
86-74-8	Carbazole	0.19	U	0.19	1.10	mg/Kg
84-74-2	Di-n-butylphthalate	0.30	U	0.30	1.10	mg/Kg
206-44-0	Fluoranthene	4.60		0.19	1.10	mg/Kg
129-00-0	Pyrene	3.30		0.22	1.10	mg/Kg
85-68-7	Butylbenzylphthalate	0.45	U	0.45	1.10	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.23	U	0.23	2.10	mg/Kg
56-55-3	Benzo(a)anthracene	1.90		0.14	1.10	mg/Kg
218-01-9	Chrysene	1.60		0.12	1.10	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.37	U	0.37	1.10	mg/Kg
117-84-0	Di-n-octyl phthalate	0.54	U	0.54	2.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.20		0.12	1.10	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.90	J	0.14	1.10	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.18	1.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.76	J	0.18	1.10	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.17	U	0.17	1.10	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.89	J	0.16	1.10	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.16	U	0.16	1.10	mg/Kg
123-91-1	1,4-Dioxane	0.28	U	0.28	1.10	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.17	U	0.17	1.10	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.8		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	78.3		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.6		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.5		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.3		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	59.8		10 - 105	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	95000	6.963
1146-65-2	Naphthalene-d8	330000	8.245
15067-26-2	Acenaphthene-d10	162000	9.998
1517-22-2	Phenanthrene-d10	277000	11.486
1719-03-5	Chrysene-d12	191000	14.127
1520-96-3	Perylene-d12	140000	15.633

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	900	J	2.27	ug/Kg
001731-88-0	Tridecanoic acid, methyl ester	1100	J	11.9	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	900	J	12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	670	J	12.1	ug/Kg
002566-97-4	9,12-Octadecadienoic acid, methyl	3700	J	12.6	ug/Kg

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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