

Report of Analysis

Client:	PSEG	Date Collected:	07/09/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	07/09/25
Client Sample ID:	HD-02-7-9-2025	SDG No.:	Q2546
Lab Sample ID:	Q2546-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.2
Sample Wt/Vol:	50.08 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
BP025153.D	10	07/10/25 09:55	07/15/25 20:06	PB168787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.99	U	0.99	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	0.16	U	0.16	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)	0.24	U	0.24	1.10	mg/Kg
98-86-2	Acetophenone	0.19	U	0.19	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	0.51	mg/Kg
67-72-1	Hexachloroethane	0.11	U	0.11	1.10	mg/Kg
98-95-3	Nitrobenzene	0.12	U	0.12	1.10	mg/Kg
78-59-1	Isophorone	0.21	U	0.21	1.10	mg/Kg
88-75-5	2-Nitrophenol	0.37	U	0.37	1.10	mg/Kg
105-67-9	2,4-Dimethylphenol	0.41	U	0.41	1.10	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.20	U	0.20	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	0.23	U	0.23	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	0.74	U	0.74	2.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.13	U	0.13	1.10	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.19	U	0.19	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	0.31	U	0.31	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	0.14	U	0.14	1.10	mg/Kg
51-28-5	2,4-Dinitrophenol	1.50	U	1.50	2.10	mg/Kg
100-02-7	4-Nitrophenol	0.68	U	0.68	2.10	mg/Kg
132-64-9	Dibenzofuran	0.14	U	0.14	1.10	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.32	U	0.32	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	0.41	U	0.41	1.10	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.66	U	0.66	2.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.21	U	0.21	1.10	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.18	U	0.18	1.10	mg/Kg
118-74-1	Hexachlorobenzene	0.16	U	0.16	1.10	mg/Kg
1912-24-9	Atrazine	0.22	U	0.22	1.10	mg/Kg
87-86-5	Pentachlorophenol	0.33	U	0.33	2.10	mg/Kg
85-01-8	Phenanthrene	2.60		0.13	1.10	mg/Kg
120-12-7	Anthracene	0.93	J	0.21	1.10	mg/Kg
86-74-8	Carbazole	0.20	U	0.20	1.10	mg/Kg
84-74-2	Di-n-butylphthalate	0.30	U	0.30	1.10	mg/Kg
206-44-0	Fluoranthene	4.90		0.19	1.10	mg/Kg
129-00-0	Pyrene	4.20		0.23	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	2.20		0.15	1.10	mg/Kg
218-01-9	Chrysene	2.00		0.13	1.10	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.38	U	0.38	1.10	mg/Kg
117-84-0	Di-n-octyl phthalate	0.55	U	0.55	2.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.50		0.12	1.10	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.76	J	0.14	1.10	mg/Kg
50-32-8	Benzo(a)pyrene	2.10		0.19	1.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.19	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	1.20		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	0.29	U	0.29	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	67.8		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	65.5		15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.1		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.0		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.2		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	54.9		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	694000	7.443
1146-65-2	Naphthalene-d8	2780000	10.19
15067-26-2	Acenaphthene-d10	1740000	14.095
1517-22-2	Phenanthrene-d10	3440000	16.919
1719-03-5	Chrysene-d12	3360000	21.348
1520-96-3	Perylene-d12	3870000	24.489

TENTATIVE IDENTIFIED COMPOUNDS

002531-84-2	Phenanthrene, 2-methyl-	590	J	17.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	730	J	18.0	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