

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	04/01/25
Client Sample ID:	HR-02-040125	SDG No.:	Q1685
Lab Sample ID:	Q1685-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	76.5
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
BG064159.D	2	04/02/25 10:10	04/02/25 19:04	PB167428

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.24	U	0.24	0.52	mg/Kg
108-95-2	Phenol	0.035	U	0.035	0.27	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.038	U	0.038	0.27	mg/Kg
95-57-8	2-Chlorophenol	0.038	U	0.038	0.27	mg/Kg
95-48-7	2-Methylphenol	0.047	U	0.047	0.27	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.059	U	0.059	0.27	mg/Kg
98-86-2	Acetophenone	0.046	U	0.046	0.27	mg/Kg
65794-96-9	3+4-Methylphenols	0.064	U	0.064	0.52	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.074	U	0.074	0.13	mg/Kg
67-72-1	Hexachloroethane	0.028	U	0.028	0.27	mg/Kg
98-95-3	Nitrobenzene	0.029	U	0.029	0.27	mg/Kg
78-59-1	Isophorone	0.051	U	0.051	0.27	mg/Kg
88-75-5	2-Nitrophenol	0.091	U	0.091	0.27	mg/Kg
105-67-9	2,4-Dimethylphenol	0.10	U	0.10	0.27	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.048	U	0.048	0.27	mg/Kg
120-83-2	2,4-Dichlorophenol	0.044	U	0.044	0.27	mg/Kg
91-20-3	Naphthalene	0.036	U	0.036	0.27	mg/Kg
106-47-8	4-Chloroaniline	0.056	U	0.056	0.27	mg/Kg
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.27	mg/Kg
105-60-2	Caprolactam	0.082	U	0.082	0.52	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.045	U	0.045	0.27	mg/Kg
91-57-6	2-Methylnaphthalene	0.040	U	0.040	0.27	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.18	U	0.18	0.52	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.031	U	0.031	0.27	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.046	U	0.046	0.27	mg/Kg
92-52-4	1,1-Biphenyl	0.034	U	0.034	0.27	mg/Kg
91-58-7	2-Chloronaphthalene	0.035	U	0.035	0.27	mg/Kg
88-74-4	2-Nitroaniline	0.075	U	0.075	0.27	mg/Kg
131-11-3	Dimethylphthalate	0.043	U	0.043	0.27	mg/Kg

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208-96-8	Acenaphthylene	0.045	U	0.045	0.27	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.053	U	0.053	0.27	mg/Kg
99-09-2	3-Nitroaniline	0.072	U	0.072	0.27	mg/Kg
83-32-9	Acenaphthene	0.033	U	0.033	0.27	mg/Kg
51-28-5	2,4-Dinitrophenol	0.36	U	0.36	0.52	mg/Kg
100-02-7	4-Nitrophenol	0.17	U	0.17	0.52	mg/Kg
132-64-9	Dibenzofuran	0.036	U	0.036	0.27	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.079	U	0.079	0.27	mg/Kg
84-66-2	Diethylphthalate	0.044	U	0.044	0.27	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.042	U	0.042	0.27	mg/Kg
86-73-7	Fluorene	0.040	U	0.040	0.27	mg/Kg
100-01-6	4-Nitroaniline	0.10	U	0.10	0.27	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.52	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.052	U	0.052	0.27	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.044	U	0.044	0.27	mg/Kg
118-74-1	Hexachlorobenzene	0.040	U	0.040	0.27	mg/Kg
1912-24-9	Atrazine	0.053	U	0.053	0.27	mg/Kg
87-86-5	Pentachlorophenol	0.080	U	0.080	0.52	mg/Kg
85-01-8	Phenanthrene	0.17	J	0.033	0.27	mg/Kg
120-12-7	Anthracene	0.052	U	0.052	0.27	mg/Kg
86-74-8	Carbazole	0.049	U	0.049	0.27	mg/Kg
84-74-2	Di-n-butylphthalate	0.075	U	0.075	0.27	mg/Kg
206-44-0	Fluoranthene	0.39		0.047	0.27	mg/Kg
129-00-0	Pyrene	0.36		0.056	0.27	mg/Kg
85-68-7	Butylbenzylphthalate	0.11	U	0.11	0.27	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.058	U	0.058	0.52	mg/Kg
56-55-3	Benzo(a)anthracene	0.18	J	0.036	0.27	mg/Kg
218-01-9	Chrysene	0.18	J	0.031	0.27	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.093	U	0.093	0.27	mg/Kg
117-84-0	Di-n-octyl phthalate	0.14	U	0.14	0.52	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.20	J	0.030	0.27	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.035	U	0.035	0.27	mg/Kg
50-32-8	Benzo(a)pyrene	0.17	J	0.046	0.27	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.046	U	0.046	0.27	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.043	U	0.043	0.27	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.27	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.040	U	0.040	0.27	mg/Kg
123-91-1	1,4-Dioxane	0.071	U	0.071	0.27	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.043	U	0.043	0.27	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	105		15 - 107	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.1		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.6		20 - 109	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		10 - 116	87%	SPK: 150
1718-51-0	Terphenyl-d14	62.8		10 - 105	63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	41100	7.86
1146-65-2	Naphthalene-d8	180000	10.651
15067-26-2	Acenaphthene-d10	119000	14.481
1517-22-2	Phenanthrene-d10	253000	17.225
1719-03-5	Chrysene-d12	257000	21.45
1520-96-3	Perylene-d12	285000	24.47

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	530	A	4.99	ug/Kg
000119-61-9	Benzophenone	390	J	15.8	ug/Kg
1000356-02-7	Heptadecafluorononanoic acid, unde	130	J	17.6	ug/Kg
000544-63-8	Tetradecanoic acid	460	J	18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	120	J	18.3	ug/Kg
000142-91-6	Isopropyl palmitate	110	J	18.6	ug/Kg
000544-76-3	Hexadecane	170	J	19.1	ug/Kg

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003452-07-1	1-Eicosene	200	J		21.1	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