

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	Clifton HQ	Date Received:	05/14/25
Client Sample ID:	72-12000	SDG No.:	Q2043
Lab Sample ID:	Q2043-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	67.2
Sample Wt/Vol:	5.06	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
BF142439.D	1	05/15/25 09:05	05/16/25 21:08	PB168017

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.40	U	1.40	2.90	mg/Kg
108-95-2	Phenol	0.19	U	0.19	1.50	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.21	U	0.21	1.50	mg/Kg
95-57-8	2-Chlorophenol	0.22	U	0.22	1.50	mg/Kg
95-48-7	2-Methylphenol	0.26	U	0.26	1.50	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.33	U	0.33	1.50	mg/Kg
98-86-2	Acetophenone	0.26	U	0.26	1.50	mg/Kg
65794-96-9	3+4-Methylphenols	0.36	U	0.36	2.90	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.42	U	0.42	0.71	mg/Kg
67-72-1	Hexachloroethane	0.16	U	0.16	1.50	mg/Kg
98-95-3	Nitrobenzene	0.16	U	0.16	1.50	mg/Kg
78-59-1	Isophorone	0.29	U	0.29	1.50	mg/Kg
88-75-5	2-Nitrophenol	0.51	U	0.51	1.50	mg/Kg
105-67-9	2,4-Dimethylphenol	0.57	U	0.57	1.50	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.27	U	0.27	1.50	mg/Kg
120-83-2	2,4-Dichlorophenol	0.25	U	0.25	1.50	mg/Kg
91-20-3	Naphthalene	0.20	U	0.20	1.50	mg/Kg
106-47-8	4-Chloroaniline	0.31	U	0.31	1.50	mg/Kg
87-68-3	Hexachlorobutadiene	0.22	U	0.22	1.50	mg/Kg
105-60-2	Caprolactam	0.46	U	0.46	2.90	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.25	U	0.25	1.50	mg/Kg
91-57-6	2-Methylnaphthalene	0.23	U	0.23	1.50	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.00	U	1.00	2.90	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.17	U	0.17	1.50	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.26	U	0.26	1.50	mg/Kg
92-52-4	1,1-Biphenyl	0.94	J	0.19	1.50	mg/Kg
91-58-7	2-Chloronaphthalene	0.20	U	0.20	1.50	mg/Kg
88-74-4	2-Nitroaniline	0.42	U	0.42	1.50	mg/Kg
131-11-3	Dimethylphthalate	0.24	U	0.24	1.50	mg/Kg

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208-96-8	Acenaphthylene	0.25	U	0.25	1.50	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.30	U	0.30	1.50	mg/Kg
99-09-2	3-Nitroaniline	0.41	U	0.41	1.50	mg/Kg
83-32-9	Acenaphthene	0.19	U	0.19	1.50	mg/Kg
51-28-5	2,4-Dinitrophenol	2.00	U	2.00	2.90	mg/Kg
100-02-7	4-Nitrophenol	0.94	U	0.94	2.90	mg/Kg
132-64-9	Dibenzofuran	0.20	U	0.20	1.50	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.44	U	0.44	1.50	mg/Kg
84-66-2	Diethylphthalate	0.25	U	0.25	1.50	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	0.24	1.50	mg/Kg
86-73-7	Fluorene	0.22	U	0.22	1.50	mg/Kg
100-01-6	4-Nitroaniline	0.57	U	0.57	1.50	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.91	U	0.91	2.90	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.29	U	0.29	1.50	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.25	U	0.25	1.50	mg/Kg
118-74-1	Hexachlorobenzene	0.22	U	0.22	1.50	mg/Kg
1912-24-9	Atrazine	0.30	U	0.30	1.50	mg/Kg
87-86-5	Pentachlorophenol	0.45	U	0.45	2.90	mg/Kg
85-01-8	Phenanthrene	3.20		0.18	1.50	mg/Kg
120-12-7	Anthracene	0.29	U	0.29	1.50	mg/Kg
86-74-8	Carbazole	0.28	U	0.28	1.50	mg/Kg
84-74-2	Di-n-butylphthalate	0.42	U	0.42	1.50	mg/Kg
206-44-0	Fluoranthene	2.50		0.26	1.50	mg/Kg
129-00-0	Pyrene	1.70		0.32	1.50	mg/Kg
85-68-7	Butylbenzylphthalate	0.63	U	0.63	1.50	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.32	U	0.32	2.90	mg/Kg
56-55-3	Benzo(a)anthracene	1.60		0.20	1.50	mg/Kg
218-01-9	Chrysene	1.60		0.18	1.50	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	9.40		0.52	1.50	mg/Kg
117-84-0	Di-n-octyl phthalate	8.40		0.77	2.90	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.70		0.17	1.50	mg/Kg

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		Final Vol:	1000
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207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	1.50	mg/Kg
50-32-8	Benzo(a)pyrene	1.20	J	0.26	1.50	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.26	U	0.26	1.50	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.24	U	0.24	1.50	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.23	U	0.23	1.50	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.23	U	0.23	1.50	mg/Kg
123-91-1	1,4-Dioxane	0.40	U	0.40	1.50	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.24	U	0.24	1.50	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.4		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	79.1		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.4		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.5		20 - 109	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.6		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	38.3		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	92700	6.904
1146-65-2	Naphthalene-d8	320000	8.187
15067-26-2	Acenaphthene-d10	116000	9.951
1517-22-2	Phenanthrene-d10	104000	11.492
1719-03-5	Chrysene-d12	124000	14.092
1520-96-3	Perylene-d12	131000	15.58

TENTATIVE IDENTIFIED COMPOUNDS

000066-25-1	Hexanal	1200	J	4.55	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1700	A	5.10	ug/Kg
004810-04-2	Benzene, 1,3,5-trimethyl-2-propyl-	1400	J	8.36	ug/Kg
055956-25-7	2-Propanol, 1-[1-methyl-2-(2-prope	1800	J	8.40	ug/Kg
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	1800	J	8.42	ug/Kg
	unknown8.475	1400	J	8.47	ug/Kg
062108-25-2	Decane, 2,6,7-trimethyl-	4000	J	8.60	ug/Kg

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000629-50-5	Tridecane	3200	J		8.78	ug/Kg
959311-27-4	Isobutyl nonyl carbonate	1800	J		8.87	ug/Kg
	unknown9.063	3000	J		9.06	ug/Kg
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	11400	J		9.67	ug/Kg
	unknown9.863	5900	J		9.86	ug/Kg
013849-96-2	17.alpha.(H),21.beta.(H)-Hopane	5900	J		16.8	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