

Report of Analysis

Client:	PSEG	Date Collected:	05/30/25
Project:	OR-400/CF-402	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23	SDG No.:	Q2173
Lab Sample ID:	Q2173-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.01 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
BF142618.D	5	06/04/25 09:10	06/04/25 20:47	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	0.54	1.10	mg/Kg
108-95-2	Phenol	0.59	U	0.077	0.59	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.59	U	0.085	0.59	mg/Kg
95-57-8	2-Chlorophenol	0.59	U	0.085	0.59	mg/Kg
95-48-7	2-Methylphenol	0.59	U	0.10	0.59	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.59	U	0.13	0.59	mg/Kg
98-86-2	Acetophenone	0.59	U	0.10	0.59	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	U	0.14	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.28	U	0.16	0.28	mg/Kg
67-72-1	Hexachloroethane	0.59	U	0.061	0.59	mg/Kg
98-95-3	Nitrobenzene	0.59	U	0.064	0.59	mg/Kg
78-59-1	Isophorone	0.59	U	0.11	0.59	mg/Kg
88-75-5	2-Nitrophenol	0.59	U	0.20	0.59	mg/Kg
105-67-9	2,4-Dimethylphenol	0.59	U	0.23	0.59	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.59	U	0.11	0.59	mg/Kg
120-83-2	2,4-Dichlorophenol	0.59	U	0.098	0.59	mg/Kg
91-20-3	Naphthalene	0.59	U	0.079	0.59	mg/Kg
106-47-8	4-Chloroaniline	0.59	U	0.12	0.59	mg/Kg
87-68-3	Hexachlorobutadiene	0.59	U	0.088	0.59	mg/Kg
105-60-2	Caprolactam	1.10	U	0.18	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.100	0.59	mg/Kg
91-57-6	2-Methylnaphthalene	0.59	U	0.089	0.59	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.40	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.59	U	0.069	0.59	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.59	U	0.10	0.59	mg/Kg
92-52-4	1,1-Biphenyl	0.59	U	0.076	0.59	mg/Kg
91-58-7	2-Chloronaphthalene	0.59	U	0.078	0.59	mg/Kg
88-74-4	2-Nitroaniline	0.59	U	0.17	0.59	mg/Kg
131-11-3	Dimethylphthalate	0.59	U	0.094	0.59	mg/Kg

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208-96-8	Acenaphthylene	0.57	J	0.10	0.59	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.59	U	0.12	0.59	mg/Kg
99-09-2	3-Nitroaniline	0.59	U	0.16	0.59	mg/Kg
83-32-9	Acenaphthene	0.59	U	0.074	0.59	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.80	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	U	0.37	1.10	mg/Kg
132-64-9	Dibenzofuran	0.59	U	0.079	0.59	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.59	U	0.17	0.59	mg/Kg
84-66-2	Diethylphthalate	0.59	U	0.098	0.59	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.59	U	0.093	0.59	mg/Kg
86-73-7	Fluorene	0.59	U	0.088	0.59	mg/Kg
100-01-6	4-Nitroaniline	0.59	U	0.22	0.59	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.36	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.11	0.59	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.59	U	0.097	0.59	mg/Kg
118-74-1	Hexachlorobenzene	0.59	U	0.088	0.59	mg/Kg
1912-24-9	Atrazine	0.59	U	0.12	0.59	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.18	1.10	mg/Kg
85-01-8	Phenanthrene	1.90		0.073	0.59	mg/Kg
120-12-7	Anthracene	0.59		0.12	0.59	mg/Kg
86-74-8	Carbazole	0.59	U	0.11	0.59	mg/Kg
84-74-2	Di-n-butylphthalate	0.59	U	0.17	0.59	mg/Kg
206-44-0	Fluoranthene	7.50		0.10	0.59	mg/Kg
129-00-0	Pyrene	3.00		0.13	0.59	mg/Kg
85-68-7	Butylbenzylphthalate	0.59	U	0.25	0.59	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.13	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	3.10		0.080	0.59	mg/Kg
218-01-9	Chrysene	2.90		0.069	0.59	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.33	J	0.21	0.59	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.30	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	4.60		0.066	0.59	mg/Kg

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207-08-9	Benzo(k)fluoranthene	1.70		0.078	0.59	mg/Kg
50-32-8	Benzo(a)pyrene	3.10		0.10	0.59	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.10	0.59	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.33	J	0.095	0.59	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.30		0.089	0.59	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.59	U	0.089	0.59	mg/Kg
123-91-1	1,4-Dioxane	0.59	U	0.16	0.59	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.59	U	0.095	0.59	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	68.8		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	63.0		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.1		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.3		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.5		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	29.4		10 - 105	29%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	109000	6.893
1146-65-2	Naphthalene-d8	339000	8.181
15067-26-2	Acenaphthene-d10	135000	9.934
1517-22-2	Phenanthrene-d10	216000	11.422
1719-03-5	Chrysene-d12	275000	14.069
1520-96-3	Perylene-d12	232000	15.563

TENTATIVE IDENTIFIED COMPOUNDS

002531-84-2	Phenanthrene, 2-methyl-	430	J	11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	580	J	12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1000	J	12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	350	J	12.2	ug/Kg
000781-43-1	9,10-Dimethylantracene	500	J	12.5	ug/Kg
	unknown12.510	380	J	12.5	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	370	J	12.6	ug/Kg

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002381-21-7	Pyrene, 1-methyl-	250	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	350	J		13.2	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	230	J		13.8	ug/Kg
000192-97-2	Benzo[e]pyrene	2400	J		15.4	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