

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	Kuller Road Sub	Date Received:	05/16/25
Client Sample ID:	303-PPR-FRAC	SDG No.:	Q2067
Lab Sample ID:	Q2067-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3510C	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024696.D	1	05/19/25 08:42	05/19/25 19:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.3	U	4.00	10.3	ug/L
108-95-2	Phenol	8.80		0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.20	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	5.20	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	5.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.20	U	1.30	5.20	ug/L
98-86-2	Acetophenone	91.5	E	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	10.3	U	1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	5.20	U	0.67	5.20	ug/L
98-95-3	Nitrobenzene	5.20	U	0.78	5.20	ug/L
78-59-1	Isophorone	5.20	U	0.77	5.20	ug/L
88-75-5	2-Nitrophenol	5.20	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	5.20	U	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.20	U	0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	5.20	U	0.54	5.20	ug/L
91-20-3	Naphthalene	6.70		0.52	5.20	ug/L
106-47-8	4-Chloroaniline	5.20	U	0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	5.20	U	0.56	5.20	ug/L
105-60-2	Caprolactam	10.3	U	1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	5.20	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	17.4		0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	10.3	U	3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	5.20	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	5.20	U	0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	2.10	J	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	5.20	U	0.63	5.20	ug/L
88-74-4	2-Nitroaniline	5.20	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	5.20	U	0.63	5.20	ug/L

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208-96-8	Acenaphthylene	5.20	U	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	5.20	U	0.95	5.20	ug/L
99-09-2	3-Nitroaniline	5.20	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	2.40	J	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	10.3	U	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	10.3	U	2.50	10.3	ug/L
132-64-9	Dibenzofuran	5.20	U	0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	5.20	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	26.3		0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.20	U	0.70	5.20	ug/L
86-73-7	Fluorene	2.20	J	0.65	5.20	ug/L
100-01-6	4-Nitroaniline	5.20	U	1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.3	U	3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	5.20	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	5.20	U	0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	5.20	U	0.54	5.20	ug/L
1912-24-9	Atrazine	5.20	U	1.00	5.20	ug/L
87-86-5	Pentachlorophenol	10.3	U	1.60	10.3	ug/L
85-01-8	Phenanthrene	3.60	J	0.52	5.20	ug/L
120-12-7	Anthracene	5.20	U	0.63	5.20	ug/L
86-74-8	Carbazole	3.70	J	0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	5.20	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	5.20	U	0.85	5.20	ug/L
129-00-0	Pyrene	5.20	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	5.20	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	10.3	U	0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	5.20	U	0.46	5.20	ug/L
218-01-9	Chrysene	5.20	U	0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.20	U	1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	10.3	U	2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	5.20	U	0.51	5.20	ug/L

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207-08-9	Benzo(k)fluoranthene	5.20	U	0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	5.20	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.20	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.20	U	0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	5.20	U	0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.20	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	5.20	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.20	U	0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	62.6		10 - 139	42%	SPK: 150
13127-88-3	Phenol-d6	37.8		10 - 134	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.9		49 - 133	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.3		52 - 132	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		44 - 137	98%	SPK: 150
1718-51-0	Terphenyl-d14	66.1		48 - 125	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	135000	7.657			
1146-65-2	Naphthalene-d8	558000	10.428			
15067-26-2	Acenaphthene-d10	376000	14.298			
1517-22-2	Phenanthrene-d10	788000	17.098			
1719-03-5	Chrysene-d12	1050000	21.533			
1520-96-3	Perylene-d12	1160000	24.804			
TENTATIVE IDENTIFIED COMPOUNDS						
000108-10-1	Methyl Isobutyl Ketone	32.9	J		3.52	ug/L
000108-65-6	1-Methoxy-2-propyl acetate	28.9	J		5.12	ug/L
000108-67-8	Mesitylene	18.7	J		7.31	ug/L
100-51-6	Benzyl Alcohol	4.50	J		7.91	ug/L
000098-85-1	Benzenemethanol, .alpha.-methyl-	80.9	J		8.35	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	27.8	J		9.02	ug/L
003302-10-1	Hexanoic acid, 3,5,5-trimethyl-	27.0	J		9.36	ug/L

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003333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	20.3	J		9.83	ug/L
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	18.7	J		10.1	ug/L
004331-54-8	Cyclohexanecarboxylic acid, 4-meth	94.9	J		10.2	ug/L
000099-89-8	p-Cumenol	54.4	J		10.8	ug/L
000770-35-4	1-Phenoxypropan-2-ol	32.1	J		11.2	ug/L
000098-54-4	Phenol, p-tert-butyl-	18.3	J		11.8	ug/L
029474-11-1	1-Hydroxymethyl-2-methyl-1-cyclohex	19.5	J		11.9	ug/L
000093-96-9	Benzene, 1,1-(oxydiethylidene)bis	41.4	J		12.2	ug/L
90-12-0	1-Methylnaphthalene	14.9	J		12.3	ug/L
	unknown14.851	17.4	J		14.9	ug/L
024851-98-7	Cyclopentaneacetic acid, 3-oxo-2-p	21.3	J		15.7	ug/L
070205-18-4	2-Methyl-2-(4-hydroxyphenyl)penta	29.5	J		15.7	ug/L
	unknown16.816	30.9	J		16.8	ug/L
000057-10-3	n-Hexadecanoic acid	17.4	J		18.0	ug/L
082344-82-9	Coelonin	19.8	J		20.6	ug/L

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