

Report of Analysis

Client:	PSEG	Date Collected:	10/08/25
Project:	Hackensack Sub HQ	Date Received:	10/08/25
Client Sample ID:	314	SDG No.:	Q3315
Lab Sample ID:	Q3315-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP025970.D	50	10/09/25 09:20	10/09/25 18:30	PB170038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	17.5	U	8.30	17.5	mg/Kg
108-95-2	Phenol	9.00	U	1.20	9.00	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	9.00	U	1.30	9.00	mg/Kg
95-57-8	2-Chlorophenol	9.00	U	1.30	9.00	mg/Kg
95-48-7	2-Methylphenol	9.00	U	1.60	9.00	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	9.00	U	2.00	9.00	mg/Kg
98-86-2	Acetophenone	9.00	U	1.60	9.00	mg/Kg
65794-96-9	3+4-Methylphenols	17.5	U	2.20	17.5	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	4.20	U	2.50	4.20	mg/Kg
67-72-1	Hexachloroethane	9.00	U	0.93	9.00	mg/Kg
98-95-3	Nitrobenzene	9.00	U	0.97	9.00	mg/Kg
78-59-1	Isophorone	9.00	U	1.70	9.00	mg/Kg
88-75-5	2-Nitrophenol	9.00	U	3.10	9.00	mg/Kg
105-67-9	2,4-Dimethylphenol	9.00	U	3.40	9.00	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	9.00	U	1.60	9.00	mg/Kg
120-83-2	2,4-Dichlorophenol	9.00	U	1.50	9.00	mg/Kg
91-20-3	Naphthalene	9.00	U	1.20	9.00	mg/Kg
106-47-8	4-Chloroaniline	9.00	U	1.90	9.00	mg/Kg
87-68-3	Hexachlorobutadiene	9.00	U	1.30	9.00	mg/Kg
105-60-2	Caprolactam	17.5	U	2.80	17.5	mg/Kg
59-50-7	4-Chloro-3-methylphenol	9.00	U	1.50	9.00	mg/Kg
91-57-6	2-Methylnaphthalene	9.00	U	1.40	9.00	mg/Kg
77-47-4	Hexachlorocyclopentadiene	17.5	U	6.10	17.5	mg/Kg
88-06-2	2,4,6-Trichlorophenol	9.00	U	1.00	9.00	mg/Kg
95-95-4	2,4,5-Trichlorophenol	9.00	U	1.50	9.00	mg/Kg
92-52-4	1,1-Biphenyl	9.00	U	1.20	9.00	mg/Kg
91-58-7	2-Chloronaphthalene	9.00	U	1.20	9.00	mg/Kg
88-74-4	2-Nitroaniline	9.00	U	2.50	9.00	mg/Kg
131-11-3	Dimethylphthalate	9.00	U	1.40	9.00	mg/Kg

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208-96-8	Acenaphthylene	9.00	U	1.50	9.00	mg/Kg
606-20-2	2,6-Dinitrotoluene	9.00	U	1.80	9.00	mg/Kg
99-09-2	3-Nitroaniline	9.00	U	2.40	9.00	mg/Kg
83-32-9	Acenaphthene	9.00	U	1.10	9.00	mg/Kg
51-28-5	2,4-Dinitrophenol	17.5	U	12.1	17.5	mg/Kg
100-02-7	4-Nitrophenol	17.5	U	5.70	17.5	mg/Kg
132-64-9	Dibenzofuran	9.00	U	1.20	9.00	mg/Kg
121-14-2	2,4-Dinitrotoluene	9.00	U	2.70	9.00	mg/Kg
84-66-2	Diethylphthalate	9.00	U	1.50	9.00	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.00	U	1.40	9.00	mg/Kg
86-73-7	Fluorene	9.00	U	1.30	9.00	mg/Kg
100-01-6	4-Nitroaniline	9.00	U	3.40	9.00	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	17.5	U	5.40	17.5	mg/Kg
86-30-6	n-Nitrosodiphenylamine	9.00	U	1.70	9.00	mg/Kg
101-55-3	4-Bromophenyl-phenylether	9.00	U	1.50	9.00	mg/Kg
118-74-1	Hexachlorobenzene	9.00	U	1.30	9.00	mg/Kg
1912-24-9	Atrazine	9.00	U	1.80	9.00	mg/Kg
87-86-5	Pentachlorophenol	17.5	U	2.70	17.5	mg/Kg
85-01-8	Phenanthrene	9.00	U	1.10	9.00	mg/Kg
120-12-7	Anthracene	9.00	U	1.80	9.00	mg/Kg
86-74-8	Carbazole	9.00	U	1.70	9.00	mg/Kg
84-74-2	Di-n-butylphthalate	9.00	U	2.50	9.00	mg/Kg
206-44-0	Fluoranthene	9.00	U	1.60	9.00	mg/Kg
129-00-0	Pyrene	9.00	U	1.90	9.00	mg/Kg
85-68-7	Butylbenzylphthalate	9.00	U	3.80	9.00	mg/Kg
91-94-1	3,3-Dichlorobenzidine	17.5	U	1.90	17.5	mg/Kg
56-55-3	Benzo(a)anthracene	9.00	U	1.20	9.00	mg/Kg
218-01-9	Chrysene	9.00	U	1.10	9.00	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	43.5		3.10	9.00	mg/Kg
117-84-0	Di-n-octyl phthalate	17.5	U	4.60	17.5	mg/Kg
205-99-2	Benzo(b)fluoranthene	9.00	U	1.00	9.00	mg/Kg

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207-08-9	Benzo(k)fluoranthene	9.00	U	1.20	9.00	mg/Kg
50-32-8	Benzo(a)pyrene	9.00	U	1.60	9.00	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	9.00	U	1.50	9.00	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	9.00	U	1.40	9.00	mg/Kg
191-24-2	Benzo(g,h,i)perylene	9.00	U	1.40	9.00	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	9.00	U	1.40	9.00	mg/Kg
123-91-1	1,4-Dioxane	9.00	U	2.40	9.00	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	9.00	U	1.40	9.00	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	0	*	18 - 112	0%	SPK: 150
13127-88-3	Phenol-d6	0	*	15 - 107	0%	SPK: 150
4165-60-0	Nitrobenzene-d5	0	*	18 - 107	0%	SPK: 100
321-60-8	2-Fluorobiphenyl	20.9		20 - 109	21%	SPK: 100
118-79-6	2,4,6-Tribromophenol	0	*	10 - 116	0%	SPK: 150
1718-51-0	Terphenyl-d14	31.4		10 - 105	31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	126000	7.737
1146-65-2	Naphthalene-d8	516000	10.496
15067-26-2	Acenaphthene-d10	352000	14.337
1517-22-2	Phenanthrene-d10	631000	17.125
1719-03-5	Chrysene-d12	616000	21.566
1520-96-3	Perylene-d12	704000	24.901

TENTATIVE IDENTIFIED COMPOUNDS

000629-50-5	Tridecane	5900	J	11.9	ug/Kg
000128-39-2	Phenol, 2,6-bis(1,1-dimethylethyl)	4000	J	13.7	ug/Kg
000629-78-7	Heptadecane	9200	J	16.1	ug/Kg
021164-95-4	Hexadecane, 7,9-dimethyl-	8900	J	16.9	ug/Kg
000630-01-3	Hexacosane	16600	J	17.6	ug/Kg
001560-84-5	Eicosane, 2-methyl-	15300	J	18.2	ug/Kg
000112-95-8	Eicosane	25100	J	18.4	ug/Kg

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000629-92-5	Nonadecane	27800	J		18.8	ug/Kg
013187-99-0	2-Bromo dodecane	28100	J		19.0	ug/Kg
000629-94-7	Heneicosane	51300	J		19.2	ug/Kg
065820-60-2	15-Methylnonacosane	22900	J		20.4	ug/Kg
000544-77-4	Hexadecane, 1-iodo-	31100	J		21.4	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