

Report of Analysis

Client:	PSEG	Date Collected:	03/13/25
Project:	Jersey City Gas District	Date Received:	03/13/25
Client Sample ID:	JC-03-03132025	SDG No.:	Q1568
Lab Sample ID:	Q1568-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	50.06	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
BF141969.D	2	03/14/25 09:09	03/14/25 17:07	PB167138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.43	U	0.20	0.43	mg/Kg
108-95-2	Phenol	0.22	U	0.029	0.22	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.22	U	0.031	0.22	mg/Kg
95-57-8	2-Chlorophenol	0.22	U	0.031	0.22	mg/Kg
95-48-7	2-Methylphenol	0.22	U	0.039	0.22	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.22	U	0.048	0.22	mg/Kg
98-86-2	Acetophenone	0.22	U	0.038	0.22	mg/Kg
65794-96-9	3+4-Methylphenols	0.43	U	0.053	0.43	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.10	U	0.061	0.10	mg/Kg
67-72-1	Hexachloroethane	0.22	U	0.023	0.22	mg/Kg
98-95-3	Nitrobenzene	0.22	U	0.024	0.22	mg/Kg
78-59-1	Isophorone	0.22	U	0.042	0.22	mg/Kg
88-75-5	2-Nitrophenol	0.22	U	0.075	0.22	mg/Kg
105-67-9	2,4-Dimethylphenol	0.22	U	0.084	0.22	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.22	U	0.040	0.22	mg/Kg
120-83-2	2,4-Dichlorophenol	0.22	U	0.037	0.22	mg/Kg
91-20-3	Naphthalene	0.22	U	0.029	0.22	mg/Kg
106-47-8	4-Chloroaniline	0.22	U	0.046	0.22	mg/Kg
87-68-3	Hexachlorobutadiene	0.22	U	0.033	0.22	mg/Kg
105-60-2	Caprolactam	0.43	U	0.067	0.43	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.22	U	0.037	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.033	0.22	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.43	U	0.15	0.43	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.22	U	0.026	0.22	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.22	U	0.038	0.22	mg/Kg
92-52-4	1,1-Biphenyl	0.22	U	0.028	0.22	mg/Kg
91-58-7	2-Chloronaphthalene	0.22	U	0.029	0.22	mg/Kg
88-74-4	2-Nitroaniline	0.22	U	0.062	0.22	mg/Kg
131-11-3	Dimethylphthalate	0.22	U	0.035	0.22	mg/Kg

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208-96-8	Acenaphthylene	0.22	U	0.037	0.22	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.22	U	0.043	0.22	mg/Kg
99-09-2	3-Nitroaniline	0.22	U	0.059	0.22	mg/Kg
83-32-9	Acenaphthene	0.22	U	0.028	0.22	mg/Kg
51-28-5	2,4-Dinitrophenol	0.43	U	0.30	0.43	mg/Kg
100-02-7	4-Nitrophenol	0.43	U	0.14	0.43	mg/Kg
132-64-9	Dibenzofuran	0.22	U	0.029	0.22	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.22	U	0.065	0.22	mg/Kg
84-66-2	Diethylphthalate	0.22	U	0.037	0.22	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.22	U	0.034	0.22	mg/Kg
86-73-7	Fluorene	0.22	U	0.033	0.22	mg/Kg
100-01-6	4-Nitroaniline	0.22	U	0.083	0.22	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.43	U	0.13	0.43	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.22	U	0.042	0.22	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.22	U	0.036	0.22	mg/Kg
118-74-1	Hexachlorobenzene	0.22	U	0.033	0.22	mg/Kg
1912-24-9	Atrazine	0.22	U	0.044	0.22	mg/Kg
87-86-5	Pentachlorophenol	0.43	U	0.066	0.43	mg/Kg
85-01-8	Phenanthrene	0.093	J	0.027	0.22	mg/Kg
120-12-7	Anthracene	0.22	U	0.043	0.22	mg/Kg
86-74-8	Carbazole	0.22	U	0.040	0.22	mg/Kg
84-74-2	Di-n-butylphthalate	0.22	U	0.062	0.22	mg/Kg
206-44-0	Fluoranthene	0.22		0.039	0.22	mg/Kg
129-00-0	Pyrene	0.13	J	0.046	0.22	mg/Kg
85-68-7	Butylbenzylphthalate	0.22	U	0.092	0.22	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.43	U	0.047	0.43	mg/Kg
56-55-3	Benzo(a)anthracene	0.096	J	0.030	0.22	mg/Kg
218-01-9	Chrysene	0.22	U	0.026	0.22	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.22	U	0.076	0.22	mg/Kg
117-84-0	Di-n-octyl phthalate	0.43	U	0.11	0.43	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.11	J	0.025	0.22	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.22	U	0.029	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.089	J	0.038	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.22	U	0.038	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.22	U	0.035	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.22	U	0.033	0.22	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.22	U	0.033	0.22	mg/Kg
123-91-1	1,4-Dioxane	0.22	U	0.058	0.22	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.22	U	0.035	0.22	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.1		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	71.9		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.4		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.1		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	48.4		10 - 105	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	109000	6.875
1146-65-2	Naphthalene-d8	352000	8.157
15067-26-2	Acenaphthene-d10	168000	9.91
1517-22-2	Phenanthrene-d10	323000	11.398
1719-03-5	Chrysene-d12	335000	14.033
1520-96-3	Perylene-d12	239000	15.51

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	870	J	2.13	ug/Kg
000629-50-5	Tridecane	130	J	8.74	ug/Kg
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	120	J	8.98	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	150	J	9.18	ug/Kg
000629-92-5	Nonadecane	290	J	9.31	ug/Kg
000575-37-1	Naphthalene, 1,7-dimethyl-	150	J	9.57	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	190	J	9.63	ug/Kg

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Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

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000629-59-4	Tetradecane	330	J		9.84	ug/Kg
000630-01-3	Hexacosane	110	J		10.2	ug/Kg
000544-76-3	Hexadecane	470	J		10.3	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	240	J		10.6	ug/Kg
000119-61-9	Benzophenone	360	J		10.6	ug/Kg
000629-78-7	Heptadecane	490	J		10.8	ug/Kg
000593-45-3	Octadecane	370	J		11.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	170	J		11.3	ug/Kg
000629-94-7	Heneicosane	300	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.9	ug/Kg
000112-95-8	Eicosane	280	J		12.1	ug/Kg
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	230	J		12.5	ug/Kg
000112-88-9	1-Octadecene	180	J		13.9	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