

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-3	SDG No.:	Q3231
Lab Sample ID:	Q3231-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BP025890.D	5	09/29/25 09:15	09/29/25 21:15	PB169890

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	0.58	U	0.076	0.58	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.58	U	0.083	0.58	mg/Kg
95-57-8	2-Chlorophenol	0.58	U	0.084	0.58	mg/Kg
95-48-7	2-Methylphenol	0.58	U	0.10	0.58	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.58	U	0.13	0.58	mg/Kg
98-86-2	Acetophenone	0.58	U	0.10	0.58	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	0.27	U	0.16	0.27	mg/Kg
67-72-1	Hexachloroethane	0.58	U	0.060	0.58	mg/Kg
98-95-3	Nitrobenzene	0.58	U	0.063	0.58	mg/Kg
78-59-1	Isophorone	0.58	U	0.11	0.58	mg/Kg
88-75-5	2-Nitrophenol	0.58	U	0.20	0.58	mg/Kg
105-67-9	2,4-Dimethylphenol	0.58	U	0.22	0.58	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.58	U	0.11	0.58	mg/Kg
120-83-2	2,4-Dichlorophenol	0.58	U	0.097	0.58	mg/Kg
91-20-3	Naphthalene	2.50		0.078	0.58	mg/Kg
106-47-8	4-Chloroaniline	0.58	U	0.12	0.58	mg/Kg
87-68-3	Hexachlorobutadiene	0.58	U	0.087	0.58	mg/Kg
105-60-2	Caprolactam	1.10	U	0.18	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.58	U	0.099	0.58	mg/Kg
91-57-6	2-Methylnaphthalene	0.71		0.088	0.58	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.40	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.58	U	0.068	0.58	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.58	U	0.100	0.58	mg/Kg
92-52-4	1,1-Biphenyl	0.58	U	0.075	0.58	mg/Kg
91-58-7	2-Chloronaphthalene	0.58	U	0.077	0.58	mg/Kg
88-74-4	2-Nitroaniline	0.58	U	0.17	0.58	mg/Kg
131-11-3	Dimethylphthalate	0.58	U	0.093	0.58	mg/Kg

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208-96-8	Acenaphthylene	0.58	U	0.099	0.58	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.58	U	0.12	0.58	mg/Kg
99-09-2	3-Nitroaniline	0.58	U	0.16	0.58	mg/Kg
83-32-9	Acenaphthene	0.58	U	0.073	0.58	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.79	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	U	0.37	1.10	mg/Kg
132-64-9	Dibenzofuran	0.58	U	0.078	0.58	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.58	U	0.17	0.58	mg/Kg
84-66-2	Diethylphthalate	0.58	U	0.097	0.58	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.58	U	0.092	0.58	mg/Kg
86-73-7	Fluorene	0.58	U	0.087	0.58	mg/Kg
100-01-6	4-Nitroaniline	0.58	U	0.22	0.58	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.35	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.11	0.58	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.58	U	0.095	0.58	mg/Kg
118-74-1	Hexachlorobenzene	0.58	U	0.087	0.58	mg/Kg
1912-24-9	Atrazine	0.58	U	0.12	0.58	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.18	1.10	mg/Kg
85-01-8	Phenanthrene	0.30	J	0.072	0.58	mg/Kg
120-12-7	Anthracene	0.58	U	0.11	0.58	mg/Kg
86-74-8	Carbazole	0.58	U	0.11	0.58	mg/Kg
84-74-2	Di-n-butylphthalate	0.58	U	0.16	0.58	mg/Kg
206-44-0	Fluoranthene	0.43	J	0.10	0.58	mg/Kg
129-00-0	Pyrene	0.49	J	0.12	0.58	mg/Kg
85-68-7	Butylbenzylphthalate	0.58	U	0.25	0.58	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.13	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.58	U	0.079	0.58	mg/Kg
218-01-9	Chrysene	0.28	J	0.068	0.58	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.58	U	0.20	0.58	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.30	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.31	J	0.065	0.58	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.58	U	0.077	0.58	mg/Kg
50-32-8	Benzo(a)pyrene	0.58	U	0.10	0.58	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.58	U	0.100	0.58	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.58	U	0.094	0.58	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.58	U	0.088	0.58	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.58	U	0.088	0.58	mg/Kg
123-91-1	1,4-Dioxane	0.58	U	0.16	0.58	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.58	U	0.094	0.58	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	19.1	*	18 - 112	13%	SPK: 150
13127-88-3	Phenol-d6	50.9		15 - 107	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	32.2		18 - 107	32%	SPK: 100
321-60-8	2-Fluorobiphenyl	39.3		20 - 109	39%	SPK: 100
118-79-6	2,4,6-Tribromophenol	6.79	*	10 - 116	5%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		10 - 105	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	233000	7.749
1146-65-2	Naphthalene-d8	910000	10.513
15067-26-2	Acenaphthene-d10	563000	14.372
1517-22-2	Phenanthrene-d10	947000	17.172
1719-03-5	Chrysene-d12	958000	21.613
1520-96-3	Perylene-d12	1100000	24.965

TENTATIVE IDENTIFIED COMPOUNDS

000496-11-7	Indane	240	J	7.50	ug/Kg
000095-13-6	Indene	480	J	8.28	ug/Kg
90-12-0	1-Methylnaphthalene	390	J	12.4	ug/Kg
000057-10-3	n-Hexadecanoic acid	750	J	18.1	ug/Kg
000057-11-4	Octadecanoic acid	400	J	19.4	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	290	J	20.2	ug/Kg
106010-22-4	Palmitoleamide	380	J	20.6	ug/Kg

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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