

Report of Analysis

Client:	PSEG	Date Collected:	09/30/25
Project:	Orange Gas	Date Received:	09/30/25
Client Sample ID:	SOIL-PILE-1-WC	SDG No.:	Q3256
Lab Sample ID:	Q3256-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	50.07	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
BP025910.D	5	10/01/25 10:10	10/01/25 21:17	PB169936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	0.53	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	0.083	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	0.90		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	0.086	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	0.098	0.58	mg/Kg
91-57-6	2-Methylnaphthalene	1.90		0.087	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	0.099	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	0.16	0.58	mg/Kg
131-11-3	Dimethylphthalate	0.58	U	0.093	0.58	mg/Kg

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Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
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		GPC Cleanup :	N
		PH :	

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208-96-8	Acenaphthylene	2.10		0.099	0.58	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.58	U	0.11	0.58	mg/Kg
99-09-2	3-Nitroaniline	0.58	U	0.16	0.58	mg/Kg
83-32-9	Acenaphthene	0.56	J	0.073	0.58	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.78	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	0.091	0.58	mg/Kg
86-73-7	Fluorene	1.70		0.086	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	0.086	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	8.90		0.071	0.58	mg/Kg
120-12-7	Anthracene	2.40		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	6.30		0.10	0.58	mg/Kg
129-00-0	Pyrene	10.5	E	0.12	0.58	mg/Kg
85-68-7	Butylbenzylphthalate	0.58	U	0.24	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	4.30		0.079	0.58	mg/Kg
218-01-9	Chrysene	4.90		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	3.30		0.065	0.58	mg/Kg

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207-08-9	Benzo(k)fluoranthene	1.10		0.077	0.58	mg/Kg
50-32-8	Benzo(a)pyrene	3.10		0.10	0.58	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.099	0.58	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.62		0.094	0.58	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.10		0.088	0.58	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.58	U	0.087	0.58	mg/Kg
123-91-1	1,4-Dioxane	0.58	U	0.15	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	56.7		18 - 112	38%	SPK: 150
13127-88-3	Phenol-d6	52.2		15 - 107	35%	SPK: 150
4165-60-0	Nitrobenzene-d5	31.2		18 - 107	31%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.7		20 - 109	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.9		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	37.3		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	229000	7.743
1146-65-2	Naphthalene-d8	893000	10.502
15067-26-2	Acenaphthene-d10	569000	14.354
1517-22-2	Phenanthrene-d10	1070000	17.148
1719-03-5	Chrysene-d12	991000	21.595
1520-96-3	Perylene-d12	1150000	24.942

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	1900	J	12.4	ug/Kg
000575-43-9	Naphthalene, 1,6-dimethyl-	1500	J	13.5	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	2100	J	13.7	ug/Kg
001730-37-6	9H-Fluorene, 1-methyl-	1800	J	16.4	ug/Kg
000261-31-4	Thioxanthene	2000	J	17.7	ug/Kg
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	1300	J	17.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	5300	J	18.0	ug/Kg

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000832-69-9	Phenanthrene, 1-methyl-	6400	J		18.1	ug/Kg
000832-71-3	Phenanthrene, 3-methyl-	2100	J		18.2	ug/Kg
000610-48-0	Anthracene, 1-methyl-	6800	J		18.2	ug/Kg
000613-12-7	Anthracene, 2-methyl-	4400	J		18.3	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	2300	J		18.6	ug/Kg
000084-65-1	9,10-Anthracenedione	2000	J		18.6	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	1500	J		18.9	ug/Kg
002789-88-0	di-p-Tolylacetylene	1200	J		18.9	ug/Kg
000781-43-1	9,10-Dimethylantracene	5800	J		19.0	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	3300	J		19.2	ug/Kg
000192-97-2	Benzo[e]pyrene	3400	J		24.6	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