

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Summit Gas District	Date Received:	06/20/25
Client Sample ID:	SU-1-062025	SDG No.:	Q2386
Lab Sample ID:	Q2386-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142821.D	1	06/23/25 08:55	06/24/25 15:59	PB168582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.23	U	0.11	0.23	mg/Kg
108-95-2	Phenol	0.12	U	0.015	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.017	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.12	U	0.017	0.12	mg/Kg
95-48-7	2-Methylphenol	0.12	U	0.021	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	0.026	0.12	mg/Kg
98-86-2	Acetophenone	0.12	U	0.020	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.23	U	0.028	0.23	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.055	U	0.033	0.055	mg/Kg
67-72-1	Hexachloroethane	0.12	U	0.012	0.12	mg/Kg
98-95-3	Nitrobenzene	0.12	U	0.013	0.12	mg/Kg
78-59-1	Isophorone	0.12	U	0.023	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.12	U	0.040	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.12	U	0.044	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.12	U	0.021	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.12	U	0.019	0.12	mg/Kg
91-20-3	Naphthalene	0.12	U	0.016	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.12	U	0.024	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.12	U	0.017	0.12	mg/Kg
105-60-2	Caprolactam	0.23	U	0.036	0.23	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.12	U	0.020	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.19		0.018	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.23	U	0.080	0.23	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.12	U	0.014	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.12	U	0.020	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.015	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.12	U	0.015	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.12	U	0.033	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.12	U	0.019	0.12	mg/Kg

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Sample Wt/Vol:	50.04	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		

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208-96-8	Acenaphthylene	0.23		0.020	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.12	U	0.023	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.12	U	0.032	0.12	mg/Kg
83-32-9	Acenaphthene	5.80	E	0.015	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.23	U	0.16	0.23	mg/Kg
100-02-7	4-Nitrophenol	0.23	U	0.073	0.23	mg/Kg
132-64-9	Dibenzofuran	3.50	E	0.016	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.12	U	0.034	0.12	mg/Kg
84-66-2	Diethylphthalate	0.12	U	0.019	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	0.018	0.12	mg/Kg
86-73-7	Fluorene	6.40	E	0.017	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.12	U	0.044	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	0.071	0.23	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.12	U	0.023	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.12	U	0.019	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.12	U	0.017	0.12	mg/Kg
1912-24-9	Atrazine	0.12	U	0.023	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.23	U	0.035	0.23	mg/Kg
85-01-8	Phenanthrene	18.3	E	0.014	0.12	mg/Kg
120-12-7	Anthracene	3.40	E	0.023	0.12	mg/Kg
86-74-8	Carbazole	0.37		0.021	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.12	U	0.033	0.12	mg/Kg
206-44-0	Fluoranthene	26.5	E	0.021	0.12	mg/Kg
129-00-0	Pyrene	10.9	E	0.025	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.12	U	0.049	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.23	U	0.025	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	5.90	E	0.016	0.12	mg/Kg
218-01-9	Chrysene	5.10	E	0.014	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.12	U	0.041	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.23	U	0.060	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	4.20	E	0.013	0.12	mg/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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207-08-9	Benzo(k)fluoranthene	1.20		0.015	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	2.10	E	0.020	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.46		0.020	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16		0.019	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.47		0.018	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	0.018	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.12	U	0.031	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	0.019	0.12	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	39.5		18 - 112	26%	SPK: 150
13127-88-3	Phenol-d6	37.8		15 - 107	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	24.0		18 - 107	24%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.5		20 - 109	27%	SPK: 100
118-79-6	2,4,6-Tribromophenol	38.9		10 - 116	26%	SPK: 150
1718-51-0	Terphenyl-d14	21.3		10 - 105	21%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	61400	6.881
1146-65-2	Naphthalene-d8	205000	8.163
15067-26-2	Acenaphthene-d10	88800	9.922
1517-22-2	Phenanthrene-d10	155000	11.422
1719-03-5	Chrysene-d12	160000	14.08
1520-96-3	Perylene-d12	122000	15.557

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	430	J	8.97	ug/Kg
000571-61-9	Naphthalene, 1,5-dimethyl-	440	J	9.50	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	630	J	9.57	ug/Kg
000581-42-0	Naphthalene, 2,6-dimethyl-	250	J	9.60	ug/Kg
000573-98-8	Naphthalene, 1,2-dimethyl-	320	J	9.70	ug/Kg
001855-47-6	1-Isopropenylnaphthalene	380	J	10.1	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	230	J	10.2	ug/Kg

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002245-38-7	Naphthalene, 1,6,7-trimethyl-	270	J		10.3	ug/Kg
000101-81-5	Diphenylmethane	1700	J		10.6	ug/Kg
007320-53-8	Dibenzofuran, 4-methyl-	1400	J		10.6	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	170	J		12.0	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	270	J		13.2	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	260	J		13.3	ug/Kg
003442-78-2	Pyrene, 2-methyl-	100	J		13.3	ug/Kg
	unknown13.874	110	J		13.9	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	95.9	J		14.2	ug/Kg
000192-97-2	Benzo[e]pyrene	190	J		15.2	ug/Kg
1010260-19-4	Thiophene-3-carboxylic acid, 4,5-d	150	J		15.4	ug/Kg
000205-82-3	Benzo[j]fluoranthene	680	J		15.4	ug/Kg
	unknown15.715	220	J		15.7	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