

Report of Analysis

Client: PSEG
Project: Summit Gas and Appliance Service (SU)
Client Sample ID: SU-04-103125
Lab Sample ID: Q3515-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/03/25

Date Collected: 10/31/25
Date Received: 10/31/25
SDG No.: Q3515
Matrix: SOIL
% Solid: 84.5
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.22	U	2	0.22	0.47	mg/Kg	11/03/25 20:20	PB170372
108-95-2	Phenol	0.031	U	2	0.031	0.24	mg/Kg	11/03/25 20:20	PB170372
111-44-4	bis(2-Chloroethyl)ether	0.035	U	2	0.035	0.24	mg/Kg	11/03/25 20:20	PB170372
95-57-8	2-Chlorophenol	0.035	U	2	0.035	0.24	mg/Kg	11/03/25 20:20	PB170372
95-48-7	2-Methylphenol	0.042	U	2	0.042	0.24	mg/Kg	11/03/25 20:20	PB170372
108-60-1	2,2-oxybis(1-Chloropropane)	0.053	U	2	0.053	0.24	mg/Kg	11/03/25 20:20	PB170372
98-86-2	Acetophenone	0.042	U	2	0.042	0.24	mg/Kg	11/03/25 20:20	PB170372
65794-96-9	3+4-Methylphenols	0.058	U	2	0.058	0.47	mg/Kg	11/03/25 20:20	PB170372
621-64-7	n-Nitroso-di-n-propylamine	0.067	U	2	0.067	0.11	mg/Kg	11/03/25 20:20	PB170372
67-72-1	Hexachloroethane	0.025	U	2	0.025	0.24	mg/Kg	11/03/25 20:20	PB170372
98-95-3	Nitrobenzene	0.026	U	2	0.026	0.24	mg/Kg	11/03/25 20:20	PB170372
78-59-1	Isophorone	0.047	U	2	0.047	0.24	mg/Kg	11/03/25 20:20	PB170372
88-75-5	2-Nitrophenol	0.083	U	2	0.083	0.24	mg/Kg	11/03/25 20:20	PB170372
105-67-9	2,4-Dimethylphenol	0.092	U	2	0.092	0.24	mg/Kg	11/03/25 20:20	PB170372
111-91-1	bis(2-Chloroethoxy)methane	0.044	U	2	0.044	0.24	mg/Kg	11/03/25 20:20	PB170372
120-83-2	2,4-Dichlorophenol	0.040	U	2	0.040	0.24	mg/Kg	11/03/25 20:20	PB170372
91-20-3	Naphthalene	0.58		2	0.032	0.24	mg/Kg	11/03/25 20:20	PB170372
106-47-8	4-Chloroaniline	0.050	U	2	0.050	0.24	mg/Kg	11/03/25 20:20	PB170372
87-68-3	Hexachlorobutadiene	0.036	U	2	0.036	0.24	mg/Kg	11/03/25 20:20	PB170372
105-60-2	Caprolactam	0.074	U	2	0.074	0.47	mg/Kg	11/03/25 20:20	PB170372
59-50-7	4-Chloro-3-methylphenol	0.041	U	2	0.041	0.24	mg/Kg	11/03/25 20:20	PB170372
91-57-6	2-Methylnaphthalene	1.20		2	0.036	0.24	mg/Kg	11/03/25 20:20	PB170372
77-47-4	Hexachlorocyclopentadiene	0.16	U	2	0.16	0.47	mg/Kg	11/03/25 20:20	PB170372
88-06-2	2,4,6-Trichlorophenol	0.028	U	2	0.028	0.24	mg/Kg	11/03/25 20:20	PB170372
95-95-4	2,4,5-Trichlorophenol	0.041	U	2	0.041	0.24	mg/Kg	11/03/25 20:20	PB170372
92-52-4	1,1-Biphenyl	0.031	U	2	0.031	0.24	mg/Kg	11/03/25 20:20	PB170372
91-58-7	2-Chloronaphthalene	0.032	U	2	0.032	0.24	mg/Kg	11/03/25 20:20	PB170372
88-74-4	2-Nitroaniline	0.068	U	2	0.068	0.24	mg/Kg	11/03/25 20:20	PB170372
131-11-3	Dimethylphthalate	0.038	U	2	0.038	0.24	mg/Kg	11/03/25 20:20	PB170372
208-96-8	Acenaphthylene	0.92		2	0.041	0.24	mg/Kg	11/03/25 20:20	PB170372
606-20-2	2,6-Dinitrotoluene	0.048	U	2	0.048	0.24	mg/Kg	11/03/25 20:20	PB170372
99-09-2	3-Nitroaniline	0.065	U	2	0.065	0.24	mg/Kg	11/03/25 20:20	PB170372
83-32-9	Acenaphthene	0.48		2	0.030	0.24	mg/Kg	11/03/25 20:20	PB170372
51-28-5	2,4-Dinitrophenol	0.32	U	2	0.32	0.47	mg/Kg	11/03/25 20:20	PB170372
100-02-7	4-Nitrophenol	0.15	U	2	0.15	0.47	mg/Kg	11/03/25 20:20	PB170372
132-64-9	Dibenzofuran	0.55		2	0.032	0.24	mg/Kg	11/03/25 20:20	PB170372
121-14-2	2,4-Dinitrotoluene	0.071	U	2	0.071	0.24	mg/Kg	11/03/25 20:20	PB170372
84-66-2	Diethylphthalate	0.040	U	2	0.040	0.24	mg/Kg	11/03/25 20:20	PB170372
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	2	0.038	0.24	mg/Kg	11/03/25 20:20	PB170372
86-73-7	Fluorene	1.70		2	0.036	0.24	mg/Kg	11/03/25 20:20	PB170372
100-01-6	4-Nitroaniline	0.091	U	2	0.091	0.24	mg/Kg	11/03/25 20:20	PB170372
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	2	0.15	0.47	mg/Kg	11/03/25 20:20	PB170372

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Client Sample ID: SU-04-103125
Lab Sample ID: Q3515-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/03/25

Date Collected: 10/31/25
Date Received: 10/31/25
SDG No.: Q3515
Matrix: SOIL
% Solid: 84.5
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.047	U	2	0.047	0.24	mg/Kg	11/03/25 20:20	PB170372
101-55-3	4-Bromophenyl-phenylether	0.039	U	2	0.039	0.24	mg/Kg	11/03/25 20:20	PB170372
118-74-1	Hexachlorobenzene	0.036	U	2	0.036	0.24	mg/Kg	11/03/25 20:20	PB170372
1912-24-9	Atrazine	0.048	U	2	0.048	0.24	mg/Kg	11/03/25 20:20	PB170372
87-86-5	Pentachlorophenol	0.073	U	2	0.073	0.47	mg/Kg	11/03/25 20:20	PB170372
85-01-8	Phenanthrene	5.50	E	2	0.030	0.24	mg/Kg	11/03/25 20:20	PB170372
120-12-7	Anthracene	1.40		2	0.047	0.24	mg/Kg	11/03/25 20:20	PB170372
86-74-8	Carbazole	0.26		2	0.044	0.24	mg/Kg	11/03/25 20:20	PB170372
84-74-2	Di-n-butylphthalate	0.068	U	2	0.068	0.24	mg/Kg	11/03/25 20:20	PB170372
206-44-0	Fluoranthene	4.00	E	2	0.043	0.24	mg/Kg	11/03/25 20:20	PB170372
129-00-0	Pyrene	4.10	E	2	0.051	0.24	mg/Kg	11/03/25 20:20	PB170372
85-68-7	Butylbenzylphthalate	0.10	U	2	0.10	0.24	mg/Kg	11/03/25 20:20	PB170372
91-94-1	3,3-Dichlorobenzidine	0.052	U	2	0.052	0.47	mg/Kg	11/03/25 20:20	PB170372
56-55-3	Benzo(a)anthracene	1.90		2	0.033	0.24	mg/Kg	11/03/25 20:20	PB170372
218-01-9	Chrysene	1.90		2	0.028	0.24	mg/Kg	11/03/25 20:20	PB170372
117-81-7	Bis(2-ethylhexyl)phthalate	0.084	U	2	0.084	0.24	mg/Kg	11/03/25 20:20	PB170372
117-84-0	Di-n-octyl phthalate	0.12	U	2	0.12	0.47	mg/Kg	11/03/25 20:20	PB170372
205-99-2	Benzo(b)fluoranthene	1.50		2	0.027	0.24	mg/Kg	11/03/25 20:20	PB170372
207-08-9	Benzo(k)fluoranthene	0.56		2	0.032	0.24	mg/Kg	11/03/25 20:20	PB170372
50-32-8	Benzo(a)pyrene	1.50		2	0.042	0.24	mg/Kg	11/03/25 20:20	PB170372
193-39-5	Indeno(1,2,3-cd)pyrene	0.64		2	0.041	0.24	mg/Kg	11/03/25 20:20	PB170372
53-70-3	Dibenzo(a,h)anthracene	0.24		2	0.039	0.24	mg/Kg	11/03/25 20:20	PB170372
191-24-2	Benzo(g,h,i)perylene	0.78		2	0.036	0.24	mg/Kg	11/03/25 20:20	PB170372
95-94-3	1,2,4,5-Tetrachlorobenzene	0.036	U	2	0.036	0.24	mg/Kg	11/03/25 20:20	PB170372
123-91-1	1,4-Dioxane	0.064	U	2	0.064	0.24	mg/Kg	11/03/25 20:20	PB170372
58-90-2	2,3,4,6-Tetrachlorophenol	0.039	U	2	0.039	0.24	mg/Kg	11/03/25 20:20	PB170372

SURROGATES

367-12-4	2-Fluorophenol	74.6		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	77.3		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.9		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.3		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	42.8		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	321000
1146-65-2	Naphthalene-d8	1250000
15067-26-2	Acenaphthene-d10	783000
1517-22-2	Phenanthrene-d10	1640000
1719-03-5	Chrysene-d12	1790000
1520-96-3	Perylene-d12	2110000

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	1200	J	12.3	ug/Kg
000629-59-4	Tetradecane	790	J	13.2	ug/Kg

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Project:	Summit Gas and Appliance Service (SU)	Date Received:	10/31/25
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Lab Sample ID:	Q3515-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.5
Sample Wt/Vol:	50.07 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000581-40-8	Naphthalene, 2,3-dimethyl-	1000	J			13.6	ug/Kg		
000544-76-3	Hexadecane	790	J			14.2	ug/Kg		
000629-92-5	Nonadecane	880	J			15.2	ug/Kg		
000629-78-7	Heptadecane	910	J			16.1	ug/Kg		
001430-97-3	9H-Fluorene, 2-methyl-	690	J			16.4	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	1800	J			18.0	ug/Kg		
000832-69-9	Phenanthrene, 1-methyl-	2600	J			18.1	ug/Kg		
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	760	J			18.2	ug/Kg		
000613-12-7	Anthracene, 2-methyl-	1400	J			18.3	ug/Kg		
000112-95-8	Eicosane	580	J			18.4	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	690	J			18.6	ug/Kg		
001576-67-6	Phenanthrene, 3,6-dimethyl-	690	J			18.9	ug/Kg		
003674-66-6	Phenanthrene, 2,5-dimethyl-	1500	J			19.0	ug/Kg		
000781-43-1	9,10-Dimethylanthracene	810	J			19.1	ug/Kg		
000192-97-2	Benzo[e]pyrene	1500	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