

Report of Analysis

Client: PSEG
Project: Harding Gas and Appliance Service (HD)
Client Sample ID: HD-02-11142025
Lab Sample ID: Q3645-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/17/25

Date Collected: 11/14/25
Date Received: 11/14/25
SDG No.: Q3645
Matrix: SOIL
% Solid: 93.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.20	U	2	0.20	0.42	mg/Kg	11/17/25 14:29	PB170576
108-95-2	Phenol	0.028	U	2	0.028	0.22	mg/Kg	11/17/25 14:29	PB170576
111-44-4	bis(2-Chloroethyl)ether	0.031	U	2	0.031	0.22	mg/Kg	11/17/25 14:29	PB170576
95-57-8	2-Chlorophenol	0.031	U	2	0.031	0.22	mg/Kg	11/17/25 14:29	PB170576
95-48-7	2-Methylphenol	0.038	U	2	0.038	0.22	mg/Kg	11/17/25 14:29	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	0.048	U	2	0.048	0.22	mg/Kg	11/17/25 14:29	PB170576
98-86-2	Acetophenone	0.038	U	2	0.038	0.22	mg/Kg	11/17/25 14:29	PB170576
65794-96-9	3+4-Methylphenols	0.053	U	2	0.053	0.42	mg/Kg	11/17/25 14:29	PB170576
621-64-7	n-Nitroso-di-n-propylamine	0.061	U	2	0.061	0.10	mg/Kg	11/17/25 14:29	PB170576
67-72-1	Hexachloroethane	0.023	U	2	0.023	0.22	mg/Kg	11/17/25 14:29	PB170576
98-95-3	Nitrobenzene	0.023	U	2	0.023	0.22	mg/Kg	11/17/25 14:29	PB170576
78-59-1	Isophorone	0.042	U	2	0.042	0.22	mg/Kg	11/17/25 14:29	PB170576
88-75-5	2-Nitrophenol	0.075	U	2	0.075	0.22	mg/Kg	11/17/25 14:29	PB170576
105-67-9	2,4-Dimethylphenol	0.083	U	2	0.083	0.22	mg/Kg	11/17/25 14:29	PB170576
111-91-1	bis(2-Chloroethoxy)methane	0.039	U	2	0.039	0.22	mg/Kg	11/17/25 14:29	PB170576
120-83-2	2,4-Dichlorophenol	0.036	U	2	0.036	0.22	mg/Kg	11/17/25 14:29	PB170576
91-20-3	Naphthalene	0.029	U	2	0.029	0.22	mg/Kg	11/17/25 14:29	PB170576
106-47-8	4-Chloroaniline	0.045	U	2	0.045	0.22	mg/Kg	11/17/25 14:29	PB170576
87-68-3	Hexachlorobutadiene	0.032	U	2	0.032	0.22	mg/Kg	11/17/25 14:29	PB170576
105-60-2	Caprolactam	0.067	U	2	0.067	0.42	mg/Kg	11/17/25 14:29	PB170576
59-50-7	4-Chloro-3-methylphenol	0.037	U	2	0.037	0.22	mg/Kg	11/17/25 14:29	PB170576
91-57-6	2-Methylnaphthalene	0.033	U	2	0.033	0.22	mg/Kg	11/17/25 14:29	PB170576
77-47-4	Hexachlorocyclopentadiene	0.15	U	2	0.15	0.42	mg/Kg	11/17/25 14:29	PB170576
88-06-2	2,4,6-Trichlorophenol	0.025	U	2	0.025	0.22	mg/Kg	11/17/25 14:29	PB170576
95-95-4	2,4,5-Trichlorophenol	0.037	U	2	0.037	0.22	mg/Kg	11/17/25 14:29	PB170576
92-52-4	1,1-Biphenyl	0.028	U	2	0.028	0.22	mg/Kg	11/17/25 14:29	PB170576
91-58-7	2-Chloronaphthalene	0.029	U	2	0.029	0.22	mg/Kg	11/17/25 14:29	PB170576
88-74-4	2-Nitroaniline	0.062	U	2	0.062	0.22	mg/Kg	11/17/25 14:29	PB170576
131-11-3	Dimethylphthalate	0.035	U	2	0.035	0.22	mg/Kg	11/17/25 14:29	PB170576
208-96-8	Acenaphthylene	0.037	U	2	0.037	0.22	mg/Kg	11/17/25 14:29	PB170576
606-20-2	2,6-Dinitrotoluene	0.043	U	2	0.043	0.22	mg/Kg	11/17/25 14:29	PB170576
99-09-2	3-Nitroaniline	0.059	U	2	0.059	0.22	mg/Kg	11/17/25 14:29	PB170576
83-32-9	Acenaphthene	0.027	U	2	0.027	0.22	mg/Kg	11/17/25 14:29	PB170576
51-28-5	2,4-Dinitrophenol	0.29	U	2	0.29	0.42	mg/Kg	11/17/25 14:29	PB170576
100-02-7	4-Nitrophenol	0.14	U	2	0.14	0.42	mg/Kg	11/17/25 14:29	PB170576
132-64-9	Dibenzofuran	0.029	U	2	0.029	0.22	mg/Kg	11/17/25 14:29	PB170576
121-14-2	2,4-Dinitrotoluene	0.064	U	2	0.064	0.22	mg/Kg	11/17/25 14:29	PB170576
84-66-2	Diethylphthalate	0.036	U	2	0.036	0.22	mg/Kg	11/17/25 14:29	PB170576
7005-72-3	4-Chlorophenyl-phenylether	0.034	U	2	0.034	0.22	mg/Kg	11/17/25 14:29	PB170576
86-73-7	Fluorene	0.032	U	2	0.032	0.22	mg/Kg	11/17/25 14:29	PB170576
100-01-6	4-Nitroaniline	0.082	U	2	0.082	0.22	mg/Kg	11/17/25 14:29	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	0.13	U	2	0.13	0.42	mg/Kg	11/17/25 14:29	PB170576

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Sample Wt/Vol: 50.03 g Final Vol: 1000 uL
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SDG No.: Q3645
Matrix: SOIL
% Solid: 93.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.042	U	2	0.042	0.22	mg/Kg	11/17/25 14:29	PB170576
101-55-3	4-Bromophenyl-phenylether	0.036	U	2	0.036	0.22	mg/Kg	11/17/25 14:29	PB170576
118-74-1	Hexachlorobenzene	0.032	U	2	0.032	0.22	mg/Kg	11/17/25 14:29	PB170576
1912-24-9	Atrazine	0.044	U	2	0.044	0.22	mg/Kg	11/17/25 14:29	PB170576
87-86-5	Pentachlorophenol	0.066	U	2	0.066	0.42	mg/Kg	11/17/25 14:29	PB170576
85-01-8	Phenanthrene	0.027	U	2	0.027	0.22	mg/Kg	11/17/25 14:29	PB170576
120-12-7	Anthracene	0.043	U	2	0.043	0.22	mg/Kg	11/17/25 14:29	PB170576
86-74-8	Carbazole	0.040	U	2	0.040	0.22	mg/Kg	11/17/25 14:29	PB170576
84-74-2	Di-n-butylphthalate	0.061	U	2	0.061	0.22	mg/Kg	11/17/25 14:29	PB170576
206-44-0	Fluoranthene	0.22		2	0.038	0.22	mg/Kg	11/17/25 14:29	PB170576
129-00-0	Pyrene	0.18	J	2	0.046	0.22	mg/Kg	11/17/25 14:29	PB170576
85-68-7	Butylbenzylphthalate	0.091	U	2	0.091	0.22	mg/Kg	11/17/25 14:29	PB170576
91-94-1	3,3-Dichlorobenzidine	0.047	U	2	0.047	0.42	mg/Kg	11/17/25 14:29	PB170576
56-55-3	Benzo(a)anthracene	0.11	J	2	0.029	0.22	mg/Kg	11/17/25 14:29	PB170576
218-01-9	Chrysene	0.11	J	2	0.026	0.22	mg/Kg	11/17/25 14:29	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	0.076	U	2	0.076	0.22	mg/Kg	11/17/25 14:29	PB170576
117-84-0	Di-n-octyl phthalate	0.11	U	2	0.11	0.42	mg/Kg	11/17/25 14:29	PB170576
205-99-2	Benzo(b)fluoranthene	0.18	J	2	0.024	0.22	mg/Kg	11/17/25 14:29	PB170576
207-08-9	Benzo(k)fluoranthene	0.029	U	2	0.029	0.22	mg/Kg	11/17/25 14:29	PB170576
50-32-8	Benzo(a)pyrene	0.12	J	2	0.038	0.22	mg/Kg	11/17/25 14:29	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	0.037	U	2	0.037	0.22	mg/Kg	11/17/25 14:29	PB170576
53-70-3	Dibenzo(a,h)anthracene	0.035	U	2	0.035	0.22	mg/Kg	11/17/25 14:29	PB170576
191-24-2	Benzo(g,h,i)perylene	0.033	U	2	0.033	0.22	mg/Kg	11/17/25 14:29	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	2	0.033	0.22	mg/Kg	11/17/25 14:29	PB170576
123-91-1	1,4-Dioxane	0.058	U	2	0.058	0.22	mg/Kg	11/17/25 14:29	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	0.035	U	2	0.035	0.22	mg/Kg	11/17/25 14:29	PB170576

SURROGATES

367-12-4	2-Fluorophenol	94.0		10 - 105	63%	SPK: 150
13127-88-3	Phenol-d6	94.1		10 - 103	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.3		10 - 108	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.7		10 - 108	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.8		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	60.8		10 - 109	61%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	54900
1146-65-2	Naphthalene-d8	188000
15067-26-2	Acenaphthene-d10	99100
1517-22-2	Phenanthrene-d10	154000
1719-03-5	Chrysene-d12	116000
1520-96-3	Perylene-d12	102000

TENTATIVE IDENTIFIED COMPOUNDS

013287-21-3	Tridecane, 6-methyl-	210	J	9.30	ug/Kg
000112-40-3	Dodecane	190	J	10.3	ug/Kg

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Project:	Harding Gas and Appliance Service (HD)	Date Received:	11/14/25
Client Sample ID:	HD-02-11142025	SDG No.:	Q3645
Lab Sample ID:	Q3645-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.7
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.03 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	170	J			10.6	ug/Kg		
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	210	J			10.8	ug/Kg		
000057-10-3	n-Hexadecanoic acid	510	J			11.9	ug/Kg		
000057-11-4	Octadecanoic acid	230	J			12.7	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