

Report of Analysis

Client: PSEG
Project: Harding Gas and Appliance Service (HD)
Client Sample ID: HD-01-103125
Lab Sample ID: Q3516-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.06 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.: Q3516
Matrix: SOIL
% Solid: 84.1
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.11	U	1	0.11	0.24	mg/Kg	11/04/25 15:53	PB170372
108-95-2	Phenol	0.016	U	1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
111-44-4	bis(2-Chloroethyl)ether	0.017	U	1	0.017	0.12	mg/Kg	11/04/25 15:53	PB170372
95-57-8	2-Chlorophenol	0.017	U	1	0.017	0.12	mg/Kg	11/04/25 15:53	PB170372
95-48-7	2-Methylphenol	0.021	U	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
108-60-1	2,2-oxybis(1-Chloropropane)	0.027	U	1	0.027	0.12	mg/Kg	11/04/25 15:53	PB170372
98-86-2	Acetophenone	0.021	U	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
65794-96-9	3+4-Methylphenols	0.029	U	1	0.029	0.24	mg/Kg	11/04/25 15:53	PB170372
621-64-7	n-Nitroso-di-n-propylamine	0.034	U	1	0.034	0.057	mg/Kg	11/04/25 15:53	PB170372
67-72-1	Hexachloroethane	0.013	U	1	0.013	0.12	mg/Kg	11/04/25 15:53	PB170372
98-95-3	Nitrobenzene	0.013	U	1	0.013	0.12	mg/Kg	11/04/25 15:53	PB170372
78-59-1	Isophorone	0.023	U	1	0.023	0.12	mg/Kg	11/04/25 15:53	PB170372
88-75-5	2-Nitrophenol	0.042	U	1	0.042	0.12	mg/Kg	11/04/25 15:53	PB170372
105-67-9	2,4-Dimethylphenol	0.046	U	1	0.046	0.12	mg/Kg	11/04/25 15:53	PB170372
111-91-1	bis(2-Chloroethoxy)methane	0.022	U	1	0.022	0.12	mg/Kg	11/04/25 15:53	PB170372
120-83-2	2,4-Dichlorophenol	0.020	U	1	0.020	0.12	mg/Kg	11/04/25 15:53	PB170372
91-20-3	Naphthalene	0.016	U	1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
106-47-8	4-Chloroaniline	0.025	U	1	0.025	0.12	mg/Kg	11/04/25 15:53	PB170372
87-68-3	Hexachlorobutadiene	0.018	U	1	0.018	0.12	mg/Kg	11/04/25 15:53	PB170372
105-60-2	Caprolactam	0.037	U	1	0.037	0.24	mg/Kg	11/04/25 15:53	PB170372
59-50-7	4-Chloro-3-methylphenol	0.021	U	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
91-57-6	2-Methylnaphthalene	0.018	U	1	0.018	0.12	mg/Kg	11/04/25 15:53	PB170372
77-47-4	Hexachlorocyclopentadiene	0.083	U	1	0.083	0.24	mg/Kg	11/04/25 15:53	PB170372
88-06-2	2,4,6-Trichlorophenol	0.014	U	1	0.014	0.12	mg/Kg	11/04/25 15:53	PB170372
95-95-4	2,4,5-Trichlorophenol	0.021	U	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
92-52-4	1,1-Biphenyl	0.016	U	1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
91-58-7	2-Chloronaphthalene	0.016	U	1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
88-74-4	2-Nitroaniline	0.034	U	1	0.034	0.12	mg/Kg	11/04/25 15:53	PB170372
131-11-3	Dimethylphthalate	0.019	U	1	0.019	0.12	mg/Kg	11/04/25 15:53	PB170372
208-96-8	Acenaphthylene	0.021	U	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
606-20-2	2,6-Dinitrotoluene	0.024	U	1	0.024	0.12	mg/Kg	11/04/25 15:53	PB170372
99-09-2	3-Nitroaniline	0.033	U	1	0.033	0.12	mg/Kg	11/04/25 15:53	PB170372
83-32-9	Acenaphthene	0.015	U	1	0.015	0.12	mg/Kg	11/04/25 15:53	PB170372
51-28-5	2,4-Dinitrophenol	0.16	U	1	0.16	0.24	mg/Kg	11/04/25 15:53	PB170372
100-02-7	4-Nitrophenol	0.076	U	1	0.076	0.24	mg/Kg	11/04/25 15:53	PB170372
132-64-9	Dibenzofuran	0.016	U	1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
121-14-2	2,4-Dinitrotoluene	0.036	U	1	0.036	0.12	mg/Kg	11/04/25 15:53	PB170372
84-66-2	Diethylphthalate	0.020	U	1	0.020	0.12	mg/Kg	11/04/25 15:53	PB170372
7005-72-3	4-Chlorophenyl-phenylether	0.019	U	1	0.019	0.12	mg/Kg	11/04/25 15:53	PB170372
86-73-7	Fluorene	0.078	J	1	0.018	0.12	mg/Kg	11/04/25 15:53	PB170372
100-01-6	4-Nitroaniline	0.046	U	1	0.046	0.12	mg/Kg	11/04/25 15:53	PB170372
534-52-1	4,6-Dinitro-2-methylphenol	0.073	U	1	0.073	0.24	mg/Kg	11/04/25 15:53	PB170372

Report of Analysis

Client: PSEG
Project: Harding Gas and Appliance Service (HD)
Client Sample ID: HD-01-103125
Lab Sample ID: Q3516-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.06 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.: Q3516
Matrix: SOIL
% Solid: 84.1
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.023	U	1	0.023	0.12	mg/Kg	11/04/25 15:53	PB170372
101-55-3	4-Bromophenyl-phenylether	0.020	U	1	0.020	0.12	mg/Kg	11/04/25 15:53	PB170372
118-74-1	Hexachlorobenzene	0.018	U	1	0.018	0.12	mg/Kg	11/04/25 15:53	PB170372
1912-24-9	Atrazine	0.024	U	1	0.024	0.12	mg/Kg	11/04/25 15:53	PB170372
87-86-5	Pentachlorophenol	0.037	U	1	0.037	0.24	mg/Kg	11/04/25 15:53	PB170372
85-01-8	Phenanthrene	0.32		1	0.015	0.12	mg/Kg	11/04/25 15:53	PB170372
120-12-7	Anthracene	0.081	J	1	0.024	0.12	mg/Kg	11/04/25 15:53	PB170372
86-74-8	Carbazole	0.022	U	1	0.022	0.12	mg/Kg	11/04/25 15:53	PB170372
84-74-2	Di-n-butylphthalate	0.034	U	1	0.034	0.12	mg/Kg	11/04/25 15:53	PB170372
206-44-0	Fluoranthene	0.23		1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
129-00-0	Pyrene	0.30		1	0.026	0.12	mg/Kg	11/04/25 15:53	PB170372
85-68-7	Butylbenzylphthalate	0.051	U	1	0.051	0.12	mg/Kg	11/04/25 15:53	PB170372
91-94-1	3,3-Dichlorobenzidine	0.026	U	1	0.026	0.24	mg/Kg	11/04/25 15:53	PB170372
56-55-3	Benzo(a)anthracene	0.12		1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
218-01-9	Chrysene	0.12		1	0.014	0.12	mg/Kg	11/04/25 15:53	PB170372
117-81-7	Bis(2-ethylhexyl)phthalate	0.042	U	1	0.042	0.12	mg/Kg	11/04/25 15:53	PB170372
117-84-0	Di-n-octyl phthalate	0.062	U	1	0.062	0.24	mg/Kg	11/04/25 15:53	PB170372
205-99-2	Benzo(b)fluoranthene	0.11	J	1	0.014	0.12	mg/Kg	11/04/25 15:53	PB170372
207-08-9	Benzo(k)fluoranthene	0.016	U	1	0.016	0.12	mg/Kg	11/04/25 15:53	PB170372
50-32-8	Benzo(a)pyrene	0.11	J	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
193-39-5	Indeno(1,2,3-cd)pyrene	0.021	U	1	0.021	0.12	mg/Kg	11/04/25 15:53	PB170372
53-70-3	Dibenzo(a,h)anthracene	0.020	U	1	0.020	0.12	mg/Kg	11/04/25 15:53	PB170372
191-24-2	Benzo(g,h,i)perylene	0.059	J	1	0.018	0.12	mg/Kg	11/04/25 15:53	PB170372
95-94-3	1,2,4,5-Tetrachlorobenzene	0.018	U	1	0.018	0.12	mg/Kg	11/04/25 15:53	PB170372
123-91-1	1,4-Dioxane	0.032	U	1	0.032	0.12	mg/Kg	11/04/25 15:53	PB170372
58-90-2	2,3,4,6-Tetrachlorophenol	0.020	U	1	0.020	0.12	mg/Kg	11/04/25 15:53	PB170372

SURROGATES

367-12-4	2-Fluorophenol	70.3		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	79.0		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.6		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.0		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	46.1		10 - 105	46%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	312000
1146-65-2 Naphthalene-d8	1500000
15067-26-2 Acenaphthene-d10	1130000
1517-22-2 Phenanthrene-d10	2490000
1719-03-5 Chrysene-d12	2210000
1520-96-3 Perylene-d12	2270000

TENTATIVE IDENTIFIED COMPOUNDS

000629-50-5	Tridecane	100	J	11.9	ug/Kg
000629-59-4	Tetradecane	120	J	13.2	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	10/31/25
Project:	Harding Gas and Appliance Service (HD)	Date Received:	10/31/25
Client Sample ID:	HD-01-103125	SDG No.:	Q3516
Lab Sample ID:	Q3516-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.1
Sample Wt/Vol:	50.06 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
019218-94-1	Tetradecane, 1-iodo-	160	J			14.2	ug/Kg		
000544-76-3	Hexadecane	170	J			15.2	ug/Kg		
000119-61-9	Benzophenone	130	J			15.7	ug/Kg		
000629-78-7	Heptadecane	180	J			16.1	ug/Kg		
055045-08-4	Dodecane, 2-methyl-6-propyl-	200	J			16.9	ug/Kg		
1000377-93-5	Phthalic acid, di(2-propylpentyl)	110	J			17.4	ug/Kg		
000646-31-1	Tetracosane	140	J			17.7	ug/Kg		
000057-10-3	n-Hexadecanoic acid	1600	J			18.1	ug/Kg		
000613-12-7	Anthracene, 2-methyl-	89.3	J			18.3	ug/Kg		
000112-95-8	Eicosane	130	J			18.4	ug/Kg		
003674-66-6	Phenanthrene, 2,5-dimethyl-	97.6	J			19.0	ug/Kg		
000057-11-4	Octadecanoic acid	860	J			19.4	ug/Kg		
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	1200	J			20.4	ug/Kg		
000638-68-6	Triacontane	130	J			20.9	ug/Kg		
018835-33-1	1-Hexacosene	100	J			21.3	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