

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064907.D
 Acq On : 9 Dec 2025 16:20
 Operator : RC/JU
 Sample : PB170870BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB170870BS

Manual Integrations

APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Dec 09 17:23:38 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 12 17:10:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	25122	20.000	ng	#-0.03
21) Naphthalene-d8	10.970	136	97420	20.000	ng	#-0.02
39) Acenaphthene-d10	14.766	164	87064	20.000	ng	-0.01
64) Phenanthrene-d10	17.492	188	219086	20.000	ng	#-0.01
76) Chrysene-d12	21.746	240	270798	20.000	ng	#-0.01
86) Perylene-d12	24.995	264	289128	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	181011	125.820	ng	-0.01
7) Phenol-d6	7.298	99	232402	121.456	ng	-0.01
23) Nitrobenzene-d5	9.313	82	154411	78.367	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	262573	154.635	ng	-0.01
45) 2-Fluorobiphenyl	13.397	172	514600	82.473	ng	-0.01
79) Terphenyl-d14	20.083	244	1280294	93.001	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.508	88	17923	32.180	ng	Qvalue 97
3) Pyridine	3.919	79	48101	28.986	ng	96
4) n-Nitrosodimethylamine	3.825	42	37375	44.251	ng	85
6) Aniline	7.468	93	72515	28.432	ng	97
8) 2-Chlorophenol	7.715	128	74599	47.224	ng	95
9) Benzaldehyde	7.274	77	23937	19.110	ng	94
10) Phenol	7.327	94	91279	43.844	ng	92
11) bis(2-Chloroethyl)ether	7.556	93	55838	37.691	ng	99
12) 1,3-Dichlorobenzene	8.044	146	79476	43.723	ng	98
13) 1,4-Dichlorobenzene	8.185	146	81837	44.215	ng	97
14) 1,2-Dichlorobenzene	8.508	146	80239	44.710	ng	98
15) Benzyl Alcohol	8.385	79	71986	45.833	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.679	45	119185	33.989	ng	97
17) 2-Methylphenol	8.590	107	63712	43.250	ng	95
18) Hexachloroethane	9.248	117	28683	40.915	ng	87
19) n-Nitroso-di-n-propyla...	8.955	70	52019	40.207	ng	97
20) 3+4-Methylphenols	8.914	107	90711	44.949	ng	95
22) Acetophenone	8.972	105	126577	47.690	ng	95
24) Nitrobenzene	9.354	77	84051	42.218	ng	96
25) Isophorone	9.883	82	150176	40.024	ng	99
26) 2-Nitrophenol	10.071	139	44475	49.666	ng	97
27) 2,4-Dimethylphenol	10.124	122	73469	46.181	ng	98
28) bis(2-Chloroethoxy)met...	10.359	93	83258	40.418	ng	97
29) 2,4-Dichlorophenol	10.612	162	88316	51.707	ng	98
30) 1,2,4-Trichlorobenzene	10.829	180	107217	51.985	ng	98
31) Naphthalene	11.023	128	243514	44.095	ng	99
32) Benzoic acid	10.265	122	53643m	47.803	ng	
33) 4-Chloroaniline	11.117	127	38462	17.410	ng	97
34) Hexachlorobutadiene	11.311	225	94174	53.218	ng	99
35) Caprolactam	11.881	113	23629m	46.253	ng	
36) 4-Chloro-3-methylphenol	12.227	107	91243	47.995	ng	99
37) 2-Methylnaphthalene	12.615	142	170100	41.160	ng	99
38) 1-Methylnaphthalene	12.827	142	180421	43.949	ng	99
40) 1,2,4,5-Tetrachloroben...	12.979	216	181054	53.435	ng	98
41) Hexachlorocyclopentadiene	12.962	237	226851	93.407	ng	98
43) 2,4,6-Trichlorophenol	13.209	196	100351	50.462	ng	94

12/10/2025

Supervised By :Sohil
 Adhani

12/12/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.279	196	107444	48.173	ng	95	12/10/2025
46) 1,1'-Biphenyl	13.608	154	303917	48.602	ng	98	Supervised By :Sohil Jodhani
47) 2-Chloronaphthalene	13.649	162	217464	44.142	ng	99	
48) 2-Nitroaniline	13.837	65	66051	41.684	ng	97	
49) Acenaphthylene	14.489	152	372266	44.231	ng	98	
50) Dimethylphthalate	14.213	163	308980	44.926	ng	99	
51) 2,6-Dinitrotoluene	14.325	165	63522	47.999	ng	96	12/12/2025
52) Acenaphthene	14.830	154	223296m	44.249	ng		
53) 3-Nitroaniline	14.660	138	38509	29.483	ng	# 81	
54) 2,4-Dinitrophenol	14.860	184	85740	93.016	ng	96	
55) Dibenzofuran	15.159	168	381585	45.738	ng	98	
56) 4-Nitrophenol	14.959	139	91382	88.180	ng	89	
57) 2,4-Dinitrotoluene	15.112	165	95094	47.930	ng	96	
58) Fluorene	15.806	166	295596	45.175	ng	99	
59) 2,3,4,6-Tetrachlorophenol	15.382	232	122297	55.574	ng	95	
60) Diethylphthalate	15.565	149	304246	46.179	ng	98	
61) 4-Chlorophenyl-phenyle...	15.794	204	199282	50.748	ng	95	
62) 4-Nitroaniline	15.817	138	57546	42.528	ng	88	
63) Azobenzene	16.082	77	222689	40.637	ng	89	
65) 4,6-Dinitro-2-methylph...	15.870	198	66027	54.280	ng	93	
66) n-Nitrosodiphenylamine	15.999	169	271653	47.338	ng	98	
67) 4-Bromophenyl-phenylether	16.681	248	152904	53.145	ng	96	
68) Hexachlorobenzene	16.804	284	182901	52.471	ng	92	
69) Atrazine	16.939	200	132089	47.741	ng	97	
70) Pentachlorophenol	17.145	266	212352	101.184	ng	99	
71) Phenanthrene	17.539	178	540963	45.129	ng	98	
72) Anthracene	17.627	178	541167	44.275	ng	99	
73) Carbazole	17.891	167	454267	43.233	ng	99	
74) Di-n-butylphthalate	18.438	149	505007	43.079	ng	99	
75) Fluoranthene	19.531	202	709255	43.270	ng	98	
77) Benzidine	19.701	184	161362	19.897	ng	98	
78) Pyrene	19.889	202	738683	48.671	ng	99	
80) Butylbenzylphthalate	20.759	149	225048	42.157	ng	94	
81) Benzo(a)anthracene	21.722	228	842713	45.767	ng	99	
82) 3,3'-Dichlorobenzidine	21.634	252	186829	27.567	ng	97	
83) Chrysene	21.793	228	787553	45.367	ng	99	
84) Bis(2-ethylhexyl)phtha...	21.616	149	327680	42.006	ng	100	
85) Di-n-octyl phthalate	22.838	149	554169	41.098	ng	97	
87) Indeno(1,2,3-cd)pyrene	28.714	276	1104269	55.591	ng	100	
88) Benzo(b)fluoranthene	23.961	252	875903	47.604	ng	# 99	
89) Benzo(k)fluoranthene	24.037	252	904014	48.905	ng	# 97	
90) Benzo(a)pyrene	24.848	252	841753	49.317	ng	# 98	
91) Dibenzo(a,h)anthracene	28.779	278	917187	56.362	ng	96	
92) Benzo(g,h,i)perylene	29.883	276	885891	56.566	ng	# 96	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

