

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111025\
 Data File : BG064729.D
 Acq On : 10 Nov 2025 11:53
 Operator : RC/JU
 Sample : PB170450BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB170450BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/11/2025

Supervised By :Jagrut Upadhyay 11/11/2025

Quant Time: Nov 10 12:38:46 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 18:16:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.200	152	34411	20.000	ng	-0.02
21) Naphthalene-d8	11.026	136	133424	20.000	ng	#-0.02
39) Acenaphthene-d10	14.827	164	111362	20.000	ng	-0.02
64) Phenanthrene-d10	17.559	188	279214	20.000	ng	-0.02
76) Chrysene-d12	21.831	240	331544	20.000	ng	#-0.03
86) Perylene-d12	25.156	264	352281	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.738	112	236037	115.134	ng	-0.01
7) Phenol-d6	7.342	99	327020	116.246	ng	-0.01
23) Nitrobenzene-d5	9.369	82	211298	95.119	ng	-0.02
42) 2,4,6-Tribromophenol	16.308	330	265953	165.467	ng	-0.01
45) 2-Fluorobiphenyl	13.452	172	602474	82.003	ng	-0.02
79) Terphenyl-d14	20.150	244	1450419	82.559	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.564	88	26378	29.062	ng	96
3) Pyridine	3.969	79	68603	25.169	ng	92
4) n-Nitrosodimethylamine	3.881	42	47154	32.260	ng	96
6) Aniline	7.512	93	107385	28.053	ng	97
8) 2-Chlorophenol	7.765	128	95713	44.604	ng	91
9) Benzaldehyde	7.324	77	37762	24.587	ng	91
10) Phenol	7.371	94	125938	40.480	ng	94
11) bis(2-Chloroethyl)ether	7.606	93	80821	35.334	ng	94
12) 1,3-Dichlorobenzene	8.094	146	99277	40.197	ng	98
13) 1,4-Dichlorobenzene	8.235	146	105146	41.869	ng	93
14) 1,2-Dichlorobenzene	8.558	146	102438	42.291	ng	95
15) Benzyl Alcohol	8.429	79	94005	40.523	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.729	45	195180	32.530	ng	96
17) 2-Methylphenol	8.635	107	86818	42.030	ng	96
18) Hexachloroethane	9.304	117	36617	41.550	ng	# 87
19) n-Nitroso-di-n-propyla...	9.005	70	74389	38.262	ng	94
20) 3+4-Methylphenols	8.964	107	117659	40.503	ng	98
22) Acetophenone	9.022	105	166193	45.566	ng	# 92
24) Nitrobenzene	9.410	77	114451	47.369	ng	# 89
25) Isophorone	9.939	82	210775	39.542	ng	# 98
26) 2-Nitrophenol	10.127	139	53119	56.395	ng	# 94
27) 2,4-Dimethylphenol	10.180	122	96615	48.727	ng	96
28) bis(2-Chloroethoxy)met...	10.415	93	120335	39.650	ng	99
29) 2,4-Dichlorophenol	10.662	162	106093	49.719	ng	96
30) 1,2,4-Trichlorobenzene	10.885	180	121531	50.127	ng	99
31) Naphthalene	11.079	128	307663	41.590	ng	99
32) Benzoic acid	10.303	122	64073	43.122	ng	97
33) 4-Chloroaniline	11.173	127	62032	21.574	ng	98
34) Hexachlorobutadiene	11.367	225	97070	51.196	ng	99
35) Caprolactam	11.937	113	32686m	39.938	ng	
36) 4-Chloro-3-methylphenol	12.283	107	118854	46.339	ng	97
37) 2-Methylnaphthalene	12.671	142	212915	39.203	ng	98
38) 1-Methylnaphthalene	12.888	142	223450	41.560	ng	97
40) 1,2,4,5-Tetrachloroben...	13.035	216	197551	52.858	ng	99
41) Hexachlorocyclopentadiene	13.018	237	235994	140.287	ng	99
43) 2,4,6-Trichlorophenol	13.264	196	112535	52.640	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.335	196	127763	51.788	ng	95
46) 1,1'-Biphenyl	13.664	154	371600	46.936	ng	96
47) 2-Chloronaphthalene	13.711	162	258560	43.266	ng	97
48) 2-Nitroaniline	13.893	65	94116	46.986	ng	93
49) Acenaphthylene	14.551	152	455123	48.283	ng	99
50) Dimethylphthalate	14.269	163	378314	44.396	ng	99
51) 2,6-Dinitrotoluene	14.381	165	75593	53.379	ng	95
52) Acenaphthene	14.886	154	312503	48.525	ng	99
53) 3-Nitroaniline	14.716	138	50788	34.681	ng	# 93
54) 2,4-Dinitrophenol	14.915	184	91886	104.653	ng	# 37
55) Dibenzofuran	15.221	168	450376	43.257	ng	98
56) 4-Nitrophenol	15.009	139	125003	92.066	ng	93
57) 2,4-Dinitrotoluene	15.168	165	115994	53.016	ng	# 90
58) Fluorene	15.867	166	351831	43.269	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.438	232	135068	57.254	ng	96
60) Diethylphthalate	15.626	149	372323	42.792	ng	98
61) 4-Chlorophenyl-phenyle...	15.855	204	211241	46.293	ng	96
62) 4-Nitroaniline	15.873	138	76197	46.769	ng	95
63) Azobenzene	16.149	77	310519	38.896	ng	95
65) 4,6-Dinitro-2-methylph...	15.932	198	72318	57.633	ng	97
66) n-Nitrosodiphenylamine	16.067	169	329349	43.667	ng	99
67) 4-Bromophenyl-phenylether	16.749	248	160142	48.399	ng	95
68) Hexachlorobenzene	16.872	284	189824	50.287	ng	95
69) Atrazine	17.001	200	159013	48.991	ng	98
70) Pentachlorophenol	17.207	266	216061	91.789	ng	93
71) Phenanthrene	17.606	178	658029	43.095	ng	100
72) Anthracene	17.695	178	671412	43.227	ng	99
73) Carbazole	17.953	167	590349	43.102	ng	99
74) Di-n-butylphthalate	18.505	149	662809	41.848	ng	98
75) Fluoranthene	19.598	202	848792	44.374	ng	96
77) Benzidine	19.769	184	225718	30.388	ng	99
78) Pyrene	19.957	202	869715	40.151	ng	100
80) Butylbenzylphthalate	20.832	149	293780	44.874	ng	91
81) Benzo(a)anthracene	21.813	228	958954	43.622	ng	99
82) 3,3'-Dichlorobenzidine	21.713	252	249162	33.942	ng	100
83) Chrysene	21.878	228	893013	42.692	ng	99
84) Bis(2-ethylhexyl)phtha...	21.713	149	421223	43.058	ng	# 97
85) Di-n-octyl phthalate	22.959	149	717486	43.502	ng	95
87) Indeno(1,2,3-cd)pyrene	28.970	276	1186578	45.787	ng	# 96
88) Benzo(b)fluoranthene	24.099	252	971673	44.981	ng	# 98
89) Benzo(k)fluoranthene	24.169	252	1001913	46.349	ng	# 98
90) Benzo(a)pyrene	25.004	252	936274	47.152	ng	# 98
91) Dibenzo(a,h)anthracene	29.046	278	985393	46.803	ng	98
92) Benzo(g,h,i)perylene	30.162	276	944584	46.965	ng	# 95

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

