

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064420.D
 Acq On : 22 Sep 2025 18:18
 Operator : RC/JU
 Sample : PB169783BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169783BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/23/2025
 Supervised By :Jagrut Upadhyay 09/23/2025

Quant Time: Sep 22 19:50:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.835	152	17950	20.000	ng	-0.02
21) Naphthalene-d8	10.632	136	77582	20.000	ng	#-0.02
39) Acenaphthene-d10	14.469	164	60373	20.000	ng	-0.01
64) Phenanthrene-d10	17.207	188	145222	20.000	ng	#-0.02
76) Chrysene-d12	21.437	240	163041	20.000	ng	#-0.02
86) Perylene-d12	24.439	264	171434	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.432	112	144758	144.685	ng	-0.01
7) Phenol-d6	7.019	99	192685	140.183	ng	-0.01
23) Nitrobenzene-d5	8.999	82	123087	88.482	ng	-0.02
42) 2,4,6-Tribromophenol	15.955	330	128170	160.279	ng	-0.02
45) 2-Fluorobiphenyl	13.094	172	334624	84.600	ng	-0.02
79) Terphenyl-d14	19.827	244	713409	91.291	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.335	88	13481	32.327	ng	# 89
3) Pyridine	3.728	79	36935	30.088	ng	# 59
4) n-Nitrosodimethylamine	3.646	42	37905	46.684	ng	# 93
6) Aniline	7.171	93	54421	28.631	ng	96
8) 2-Chlorophenol	7.406	128	51821	42.386	ng	98
9) Benzaldehyde	6.978	77	26080	23.056	ng	95
10) Phenol	7.042	94	69295	45.726	ng	81
11) bis(2-Chloroethyl)ether	7.260	93	37845	33.233	ng	89
12) 1,3-Dichlorobenzene	7.730	146	54651	42.018	ng	97
13) 1,4-Dichlorobenzene	7.877	146	54969	41.876	ng	94
14) 1,2-Dichlorobenzene	8.194	146	53754	42.430	ng	98
15) Benzyl Alcohol	8.076	79	53938	42.523	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.370	45	69151	26.597	ng	95
17) 2-Methylphenol	8.288	107	45083	39.917	ng	87
18) Hexachloroethane	8.916	117	21117	41.212	ng	# 81
19) n-Nitroso-di-n-propyla...	8.640	70	37836	35.967	ng	97
20) 3+4-Methylphenols	8.611	107	62946	40.110	ng	97
22) Acetophenone	8.658	105	86230	43.933	ng	# 99
24) Nitrobenzene	9.034	77	60116	41.361	ng	99
25) Isophorone	9.557	82	108573	37.554	ng	98
26) 2-Nitrophenol	9.745	139	28275	45.022	ng	# 78
27) 2,4-Dimethylphenol	9.810	122	52329	47.459	ng	97
28) bis(2-Chloroethoxy)met...	10.039	93	57304	36.758	ng	98
29) 2,4-Dichlorophenol	10.280	162	56693	48.731	ng	94
30) 1,2,4-Trichlorobenzene	10.497	180	56715	46.235	ng	96
31) Naphthalene	10.679	128	164587	40.911	ng	98
32) Benzoic acid	9.962	122	39505m	45.136	ng	
33) 4-Chloroaniline	10.785	127	40738	26.127	ng	97
34) Hexachlorobutadiene	10.967	225	46651	51.449	ng	95
35) Caprolactam	11.560	113	18951m	42.069	ng	
36) 4-Chloro-3-methylphenol	11.919	107	68952	45.680	ng	93
37) 2-Methylnaphthalene	12.289	142	112085	37.482	ng	# 92
38) 1-Methylnaphthalene	12.506	142	120474	40.788	ng	99
40) 1,2,4,5-Tetrachloroben...	12.659	216	81001	46.500	ng	99
41) Hexachlorocyclopentadiene	12.642	237	102013	123.220	ng	95
43) 2,4,6-Trichlorophenol	12.900	196	51936	44.607	ng	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.971	196	56560	44.783	ng	98
46) 1,1'-Biphenyl	13.300	154	190828	43.397	ng	98
47) 2-Chloronaphthalene	13.341	162	131287	39.714	ng	97
48) 2-Nitroaniline	13.546	65	50400	44.731	ng	92
49) Acenaphthylene	14.187	152	224621	45.965	ng	97
50) Dimethylphthalate	13.928	163	191837	41.980	ng	98
51) 2,6-Dinitrotoluene	14.046	165	43096	48.714	ng	92
52) Acenaphthene	14.533	154	133492	38.709	ng	96
53) 3-Nitroaniline	14.369	138	27026	29.164	ng	98
54) 2,4-Dinitrophenol	14.580	184	57448	98.021	ng	# 82
55) Dibenzofuran	14.868	168	225680	41.604	ng	99
56) 4-Nitrophenol	14.692	139	66347	87.280	ng	# 76
57) 2,4-Dinitrotoluene	14.833	165	64783	48.431	ng	92
58) Fluorene	15.515	166	191818	43.144	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.097	232	58657	48.287	ng	98
60) Diethylphthalate	15.291	149	208251	42.582	ng	98
61) 4-Chlorophenyl-phenyle...	15.509	204	99996	45.110	ng	97
62) 4-Nitroaniline	15.538	138	40183	42.495	ng	# 82
63) Azobenzene	15.803	77	170202	39.047	ng	94
65) 4,6-Dinitro-2-methylph...	15.597	198	43495	52.167	ng	92
66) n-Nitrosodiphenylamine	15.726	169	167890	42.026	ng	98
67) 4-Bromophenyl-phenylether	16.402	248	69801	45.254	ng	98
68) Hexachlorobenzene	16.519	284	80777	47.159	ng	93
69) Atrazine	16.678	200	75578	45.309	ng	99
70) Pentachlorophenol	16.866	266	106217	102.272	ng	92
71) Phenanthrene	17.254	178	323247	42.202	ng	99
72) Anthracene	17.342	178	332117	42.626	ng	99
73) Carbazole	17.612	167	301871	43.981	ng	99
74) Di-n-butylphthalate	18.176	149	362125	43.914	ng	99
75) Fluoranthene	19.263	202	408386	45.345	ng	96
77) Benzidine	19.445	184	115097	33.558	ng	98
78) Pyrene	19.622	202	414998	40.402	ng	98
80) Butylbenzylphthalate	20.515	149	164843	42.548	ng	95
81) Benzo(a)anthracene	21.419	228	439399	42.126	ng	99
82) 3,3'-Dichlorobenzidine	21.343	252	100362	29.544	ng	97
83) Chrysene	21.484	228	404786	40.423	ng	99
84) Bis(2-ethylhexyl)phtha...	21.343	149	237829	40.888	ng	99
85) Di-n-octyl phthalate	22.477	149	404654	39.926	ng	97
87) Indeno(1,2,3-cd)pyrene	27.818	276	517409	44.195	ng	# 78
88) Benzo(b)fluoranthene	23.494	252	431770	44.625	ng	# 96
89) Benzo(k)fluoranthene	23.558	252	436044	44.236	ng	# 96
90) Benzo(a)pyrene	24.304	252	405389	45.041	ng	# 94
91) Dibenzo(a,h)anthracene	27.871	278	427833	45.514	ng	# 97
92) Benzo(g,h,i)perylene	28.870	276	417200	45.612	ng	# 92

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

