

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
 Data File : BF142277.D
 Acq On : 02 May 2025 12:27
 Operator : RC/JU
 Sample : Q1901-08MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB01MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/05/2025
 Supervised By :Jagrut Upadhyay 05/05/2025

Quant Time: May 02 13:05:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	212656	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	808361	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	402059	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	629997	20.000	ng	0.00
76) Chrysene-d12	14.069	240	370460	20.000	ng	0.00
86) Perylene-d12	15.557	264	379220	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1285671	96.555	ng	0.01
7) Phenol-d6	6.528	99	1443545	89.776	ng	0.00
23) Nitrobenzene-d5	7.469	82	1033716	84.012	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	462379	126.149	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2016863	70.728	ng	0.00
79) Terphenyl-d14	13.016	244	1792164	70.359	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.822	88	169976	28.583	ng	# 84
3) Pyridine	3.546	79	415695	26.896	ng	99
4) n-Nitrosodimethylamine	3.481	42	278483	34.818	ng	99
6) Aniline	6.569	93	185208	8.138	ng	100
8) 2-Chlorophenol	6.693	128	531955	38.662	ng	99
9) Benzaldehyde	6.457	77	175465	15.613	ng	99
10) Phenol	6.540	94	537381m	31.043	ng	
11) bis(2-Chloroethyl)ether	6.646	93	502092	37.430	ng	99
12) 1,3-Dichlorobenzene	6.851	146	511679	32.873	ng	99
13) 1,4-Dichlorobenzene	6.928	146	527665	33.647	ng	99
14) 1,2-Dichlorobenzene	7.081	146	509008	33.999	ng	99
15) Benzyl Alcohol	7.046	79	445258	39.044	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	916352	37.830	ng	99
17) 2-Methylphenol	7.151	107	403260	35.777	ng	100
18) Hexachloroethane	7.422	117	180036	35.075	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	379242	38.168	ng	98
20) 3+4-Methylphenols	7.304	107	508536	36.077	ng	91
22) Acetophenone	7.316	105	714285	38.195	ng	97
24) Nitrobenzene	7.487	77	532026	44.068	ng	100
25) Isophorone	7.728	82	1017548	39.404	ng	99
26) 2-Nitrophenol	7.804	139	249952	48.946	ng	98
27) 2,4-Dimethylphenol	7.834	122	465938	35.787	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	653302	40.114	ng	100
29) 2,4-Dichlorophenol	8.040	162	450542	41.390	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	460388	37.902	ng	100
31) Naphthalene	8.210	128	1515067	37.582	ng	100
32) Benzoic acid	7.922	122	217267	37.981	ng	97
33) 4-Chloroaniline	8.251	127	79798	4.754	ng	99
34) Hexachlorobutadiene	8.328	225	267842	37.794	ng	99
35) Caprolactam	8.616	113	114486m	34.992	ng	
36) 4-Chloro-3-methylphenol	8.728	107	450003	40.260	ng	99
37) 2-Methylnaphthalene	8.898	142	965025	38.934	ng	99
38) 1-Methylnaphthalene	8.998	142	1001608	39.008	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	466320	41.212	ng	99
41) Hexachlorocyclopentadiene	9.057	237	570339	88.811	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	326161	46.517	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	336279	45.616	ng	99
46) 1,1'-Biphenyl	9.363	154	1292053	41.337	ng	99
47) 2-Chloronaphthalene	9.392	162	960343	41.296	ng	99
48) 2-Nitroaniline	9.481	65	294596	48.035	ng	98
49) Acenaphthylene	9.810	152	1605889	40.923	ng	100
50) Dimethylphthalate	9.663	163	1104923	42.957	ng	100
51) 2,6-Dinitrotoluene	9.722	165	230556	46.839	ng	99
52) Acenaphthene	9.981	154	1000886	43.682	ng	99
53) 3-Nitroaniline	9.886	138	93454	17.726	ng	98
54) 2,4-Dinitrophenol	9.992	184	156192	86.643	ng	# 52
55) Dibenzofuran	10.151	168	1420255	41.350	ng	100
56) 4-Nitrophenol	10.039	139	369705	91.443	ng	99
57) 2,4-Dinitrotoluene	10.128	165	301103	50.164	ng	96
58) Fluorene	10.492	166	1070926	41.007	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	273427	44.776	ng	99
60) Diethylphthalate	10.363	149	1082961	42.636	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	522609	42.138	ng	96
62) 4-Nitroaniline	10.504	138	228504	42.238	ng	97
63) Azobenzene	10.645	77	1037185	41.352	ng	99
65) 4,6-Dinitro-2-methylph...	10.534	198	106866	50.723	ng	90
66) n-Nitrosodiphenylamine	10.604	169	918104	42.652	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	319645	45.559	ng	98
68) Hexachlorobenzene	11.039	284	349088	44.425	ng	98
69) Atrazine	11.128	200	274854	48.442	ng	99
70) Pentachlorophenol	11.233	266	390510	94.071	ng	98
71) Phenanthrene	11.457	178	1459064	42.876	ng	100
72) Anthracene	11.510	178	1476623	42.440	ng	99
73) Carbazole	11.657	167	1322084	41.655	ng	100
74) Di-n-butylphthalate	11.992	149	1508741	47.265	ng	100
75) Fluoranthene	12.645	202	1362829	40.513	ng	98
77) Benzidine	12.763	184	40553	2.576	ng	97
78) Pyrene	12.875	202	1353270	39.600	ng	100
80) Butylbenzylphthalate	13.492	149	486120	51.715	ng	99
81) Benzo(a)anthracene	14.057	228	1077111	43.310	ng	100
82) 3,3'-Dichlorobenzidine	14.022	252	61349	8.398	ng	98
83) Chrysene	14.098	228	946310	41.802	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	628324	48.509	ng	99
85) Di-n-octyl phthalate	14.669	149	1009277	43.232	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1154061	41.548	ng	100
88) Benzo(b)fluoranthene	15.121	252	1089899	46.269	ng	99
89) Benzo(k)fluoranthene	15.151	252	857957	39.820	ng	99
90) Benzo(a)pyrene	15.498	252	936845	43.441	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	933265	41.398	ng	100
92) Benzo(g,h,i)perylene	17.521	276	936160	41.307	ng	99

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

