

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
 Data File : BG064092.D
 Acq On : 11 Mar 2025 12:34
 Operator : RC/JU
 Sample : Q1524-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 13:06:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	39195	20.000	ng	0.00
21) Naphthalene-d8	10.653	136	160691	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	107519	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	237040	20.000	ng	0.00
76) Chrysene-d12	21.463	240	233261	20.000	ng	0.00
86) Perylene-d12	24.477	264	259948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	276783	110.264	ng	0.00
7) Phenol-d6	7.033	99	368058	107.783	ng	0.00
23) Nitrobenzene-d5	9.019	82	246787	84.871	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	155934	130.472	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	515336	72.752	ng	0.00
79) Terphenyl-d14	19.848	244	847600	73.473	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.367	88	39520	34.739	ng	92
3) Pyridine	3.755	79	96584	34.910	ng	99
4) n-Nitrosodimethylamine	3.678	42	82283	41.626	ng	91
6) Aniline	7.192	93	74023	22.091	ng	95
8) 2-Chlorophenol	7.427	128	123033	45.636	ng	95
9) Benzaldehyde	7.004	77	42129	21.213	ng	91
10) Phenol	7.063	94	159529	45.629	ng	97
11) bis(2-Chloroethyl)ether	7.292	93	112869	41.178	ng	95
12) 1,3-Dichlorobenzene	7.756	146	124528	42.063	ng	99
13) 1,4-Dichlorobenzene	7.897	146	130015	42.846	ng	96
14) 1,2-Dichlorobenzene	8.214	146	124320	42.487	ng	98
15) Benzyl Alcohol	8.097	79	118988	45.092	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.385	45	257430	41.768	ng	100
17) 2-Methylphenol	8.302	107	106357	45.835	ng	96
18) Hexachloroethane	8.943	117	50722	47.775	ng	98
19) n-Nitroso-di-n-propyla...	8.667	70	99774	41.633	ng	95
20) 3+4-Methylphenols	8.631	107	143418	44.895	ng	93
22) Acetophenone	8.678	105	214115	48.598	ng	98
24) Nitrobenzene	9.054	77	149011	49.586	ng	96
25) Isophorone	9.583	82	264823	45.501	ng	# 95
26) 2-Nitrophenol	9.765	139	59577	55.361	ng	89
27) 2,4-Dimethylphenol	9.824	122	109226	62.602	ng	98
28) bis(2-Chloroethoxy)met...	10.065	93	151807	43.022	ng	95
29) 2,4-Dichlorophenol	10.300	162	109904	49.885	ng	95
30) 1,2,4-Trichlorobenzene	10.517	180	121376	45.637	ng	100
31) Naphthalene	10.700	128	382540	44.148	ng	99
32) Benzoic acid	9.983	122	93920m	56.697	ng	
33) 4-Chloroaniline	10.805	127	34687	10.953	ng	92
34) Hexachlorobutadiene	10.993	225	81925	46.995	ng	97
35) Caprolactam	11.569	113	42768m	50.656	ng	
36) 4-Chloro-3-methylphenol	11.933	107	138793	48.060	ng	99
37) 2-Methylnaphthalene	12.309	142	266863	43.626	ng	98
38) 1-Methylnaphthalene	12.527	142	264868	44.197	ng	99
40) 1,2,4,5-Tetrachloroben...	12.680	216	159651	52.011	ng	97
41) Hexachlorocyclopentadiene	12.668	237	178824	206.986	ng	95
43) 2,4,6-Trichlorophenol	12.915	196	98174	54.266	ng	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	107343	53.400	ng	98
46) 1,1'-Biphenyl	13.326	154	414526	51.030	ng	99
47) 2-Chloronaphthalene	13.361	162	274065	46.260	ng	97
48) 2-Nitroaniline	13.561	65	102004	51.158	ng	97
49) Acenaphthylene	14.207	152	455993	48.661	ng	99
50) Dimethylphthalate	13.949	163	346968	43.716	ng	100
51) 2,6-Dinitrotoluene	14.060	165	73488	45.805	ng	94
52) Acenaphthene	14.554	154	288048	45.803	ng	98
53) 3-Nitroaniline	14.383	138	38048	24.804	ng	94
54) 2,4-Dinitrophenol	14.595	184	92660	132.308	ng	# 83
55) Dibenzofuran	14.889	168	445755	43.753	ng	98
56) 4-Nitrophenol	14.701	139	146708	114.038	ng	94
57) 2,4-Dinitrotoluene	14.848	165	110792	49.726	ng	# 97
58) Fluorene	15.535	166	357656	45.074	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.112	232	104223m	53.183	ng	
60) Diethylphthalate	15.318	149	373637	43.365	ng	98
61) 4-Chlorophenyl-phenyle...	15.529	204	170283	43.184	ng	91
62) 4-Nitroaniline	15.553	138	79774	48.169	ng	94
63) Azobenzene	15.823	77	418658	45.535	ng	97
65) 4,6-Dinitro-2-methylph...	15.611	198	60354	57.074	ng	95
66) n-Nitrosodiphenylamine	15.747	169	317154	47.268	ng	98
67) 4-Bromophenyl-phenylether	16.422	248	117648	48.460	ng	95
68) Hexachlorobenzene	16.540	284	126317	46.475	ng	97
69) Atrazine	16.698	200	136521	69.153	ng	96
70) Pentachlorophenol	16.881	266	187939	111.368	ng	100
71) Phenanthrene	17.274	178	675251	53.408	ng	97
72) Anthracene	17.362	178	616012	48.999	ng	98
73) Carbazole	17.627	167	557030	47.456	ng	99
74) Di-n-butylphthalate	18.202	149	662348	47.938	ng	99
75) Fluoranthene	19.284	202	866951	56.878	ng	97
77) Benzidine	19.466	184	200679	62.130	ng	98
78) Pyrene	19.642	202	867448	57.690	ng	99
80) Butylbenzylphthalate	20.541	149	296430	52.193	ng	95
81) Benzo(a)anthracene	21.446	228	790467	52.902	ng	98
82) 3,3'-Dichlorobenzidine	21.363	252	120757	24.972	ng	100
83) Chrysene	21.504	228	771266	51.753	ng	99
84) Bis(2-ethylhexyl)phtha...	21.375	149	450435	55.741	ng	97
85) Di-n-octyl phthalate	22.521	149	767109	55.036	ng	100
87) Indeno(1,2,3-cd)pyrene	27.885	276	930176	53.481	ng	99
88) Benzo(b)fluoranthene	23.526	252	849260	54.042	ng	98
89) Benzo(k)fluoranthene	23.596	252	775418	49.186	ng	99
90) Benzo(a)pyrene	24.336	252	755131	53.955	ng	98
91) Dibenzo(a,h)anthracene	27.944	278	704145	48.834	ng	98
92) Benzo(g,h,i)perylene	28.949	276	727372	49.133	ng	94

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

