

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120822\
 Data File : BG055931.D
 Acq On : 8 Dec 2022 17:24
 Operator : CG/JU
 Sample : N5897-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITMSD

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/09/2022
 Supervised By :mohammad ahmed 12/14/2022

Quant Time: Dec 09 08:10:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 07:57:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.140	152	24204	20.000	ng	0.00
21) Naphthalene-d8	10.972	136	104953	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	84289	20.000	ng	0.00
64) Phenanthrene-d10	17.523	188	223277	20.000	ng	0.00
76) Chrysene-d12	21.801	240	199710	20.000	ng	0.00
86) Perylene-d12	25.126	264	222620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	214062	159.858	ng	0.00
7) Phenol-d6	7.306	99	276570	155.157	ng	0.00
23) Nitrobenzene-d5	9.321	82	189105	95.234	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	180673	152.223	ng	0.00
45) 2-Fluorobiphenyl	13.399	172	496742	88.289	ng	0.00
79) Terphenyl-d14	20.109	244	1000512	100.203	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.475	88	24992	43.673	ng	# 40
3) Pyridine	3.904	79	57992	33.034	ng	99
4) n-Nitrosodimethylamine	3.804	42	45610	49.072	ng	100
6) Aniline	7.459	93	50367	22.496	ng	97
8) 2-Chlorophenol	7.706	128	81872	53.483	ng	96
9) Benzaldehyde	7.271	77	25631m	21.173	ng	
10) Phenol	7.330	94	99598	49.902	ng	97
11) bis(2-Chloroethyl)ether	7.547	93	74265	48.554	ng	98
12) 1,3-Dichlorobenzene	8.029	146	84776	47.103	ng	98
13) 1,4-Dichlorobenzene	8.176	146	86547	47.588	ng	99
14) 1,2-Dichlorobenzene	8.499	146	83358	47.830	ng	97
15) Benzyl Alcohol	8.381	79	82006m	56.607	ng	
16) 2,2'-oxybis(1-Chloropr...	8.669	45	139108	50.239	ng	98
17) 2-Methylphenol	8.593	107	76945	54.301	ng	99
18) Hexachloroethane	9.233	117	29670	47.399	ng	96
19) n-Nitroso-di-n-propyla...	8.951	70	68716	50.173	ng	98
20) 3+4-Methylphenols	8.922	107	105319	53.206	ng	99
22) Acetophenone	8.975	105	132093	48.435	ng	# 97
24) Nitrobenzene	9.362	77	99055	47.758	ng	98
25) Isophorone	9.879	82	200674	53.337	ng	98
26) 2-Nitrophenol	10.079	139	50098	52.323	ng	95
27) 2,4-Dimethylphenol	10.132	122	90209m	61.904	ng	
28) bis(2-Chloroethoxy)met...	10.355	93	108624	53.779	ng	99
29) 2,4-Dichlorophenol	10.626	162	93000	53.320	ng	99
30) 1,2,4-Trichlorobenzene	10.831	180	89778	44.305	ng	99
31) Naphthalene	11.019	128	258633	45.585	ng	99
32) Benzoic acid	10.326	122	35803m	29.863	ng	
33) 4-Chloroaniline	11.137	127	26577	11.356	ng	98
34) Hexachlorobutadiene	11.295	225	58931	42.590	ng	96
35) Caprolactam	11.906	113	31150m	51.609	ng	
36) 4-Chloro-3-methylphenol	12.253	107	109192	56.959	ng	97
37) 2-Methylnaphthalene	12.617	142	202896	47.762	ng	98
38) 1-Methylnaphthalene	12.835	142	193160	46.838	ng	100
40) 1,2,4,5-Tetrachloroben...	12.982	216	118505	44.739	ng	100
41) Hexachlorocyclopentadiene	12.952	237	56007	41.952	ng	98
43) 2,4,6-Trichlorophenol	13.223	196	83149	46.018	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.311	196	93067	46.871	ng	98
46) 1,1'-Biphenyl	13.610	154	288209	46.922	ng	100
47) 2-Chloronaphthalene	13.663	162	217762	45.612	ng	99
48) 2-Nitroaniline	13.863	65	82757	52.724	ng	98
49) Acenaphthylene	14.503	152	376024	47.830	ng	99
50) Dimethylphthalate	14.221	163	333658	49.658	ng	99
51) 2,6-Dinitrotoluene	14.351	165	71348	51.932	ng	95
52) Acenaphthene	14.844	154	269425m	52.436	ng	
53) 3-Nitroaniline	14.686	138	21135	14.014	ng	100
54) 2,4-Dinitrophenol	14.909	184	77316	97.879	ng	99
55) Dibenzofuran	15.173	168	379881	47.925	ng	98
56) 4-Nitrophenol	15.015	139	93867	79.300	ng	97
57) 2,4-Dinitrotoluene	15.144	165	105503	54.467	ng	98
58) Fluorene	15.820	166	309019	48.812	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.408	232	82851	43.062	ng	99
60) Diethylphthalate	15.573	149	340598	50.137	ng	99
61) 4-Chlorophenyl-phenylether	15.802	204	168744	48.489	ng	96
62) 4-Nitroaniline	15.849	138	67209	42.631	ng	94
63) Azobenzene	16.102	77	294409	49.641	ng	99
65) 4,6-Dinitro-2-methylphthalate	15.914	198	58681	47.067	ng	99
66) n-Nitrosodiphenylamine	16.019	169	282635	45.932	ng	99
67) 4-Bromophenyl-phenylether	16.701	248	115180	45.275	ng	98
68) Hexachlorobenzene	16.830	284	128228	45.457	ng	98
69) Atrazine	16.959	200	106997	43.966	ng	99
70) Pentachlorophenol	17.183	266	100637	58.320	ng	95
71) Phenanthrene	17.565	178	537887	44.642	ng	99
72) Anthracene	17.653	178	546100	46.647	ng	99
73) Carbazole	17.923	167	492324	46.779	ng	99
74) Di-n-butylphthalate	18.452	149	596517	45.646	ng	99
75) Fluoranthene	19.562	202	639773	43.645	ng	99
77) Benzidine	19.756	184	42109m	9.114	ng	
78) Pyrene	19.927	202	649706	48.062	ng	99
80) Butylbenzylphthalate	20.784	149	256343	48.440	ng	99
81) Benzo(a)anthracene	21.777	228	641813	46.660	ng	100
82) 3,3'-Dichlorobenzidine	21.683	252	96250	19.914	ng	98
83) Chrysene	21.848	228	601427	45.928	ng	99
84) Bis(2-ethylhexyl)phthalate	21.648	149	368546	48.459	ng	100
85) Di-n-octyl phthalate	22.882	149	625370	48.049	ng	99
87) Indeno(1,2,3-cd)pyrene	28.975	276	756809	41.497	ng	# 95
88) Benzo(b)fluoranthene	24.069	252	675322	46.580	ng	100
89) Benzo(k)fluoranthene	24.139	252	645001	44.631	ng	100
90) Benzo(a)pyrene	24.979	252	590169	47.436	ng	99
91) Dibenzo(a,h)anthracene	29.028	278	642987	43.144	ng	99
92) Benzo(g,h,i)perylene	30.191	276	626902	41.736	ng	99

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

