

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057623.D
 Acq On : 31 May 2023 15:54
 Operator : CG/JU
 Sample : 02971-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB16MSD

Quant Time: Jun 01 03:54:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.338	152	21679	20.000	ng	0.00
21) Naphthalene-d8	11.181	136	89467	20.000	ng	# 0.00
39) Acenaphthene-d10	14.958	164	63950	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	157784	20.000	ng	0.00
76) Chrysene-d12	22.001	240	136362	20.000	ng	0.00
86) Perylene-d12	25.491	264	148510	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.864	112	144526	115.820	ng	0.00
7) Phenol-d6	7.492	99	212267	108.695	ng	0.00
23) Nitrobenzene-d5	9.524	82	129401	67.611	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	97531	95.258	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	303076	68.109	ng	0.00
79) Terphenyl-d14	20.263	244	543201	69.003	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.650	88	24012	46.444	ng	95
3) Pyridine	4.073	79	64609	40.876	ng	96
4) n-Nitrosodimethylamine	3.985	42	31535	49.310	ng	88
6) Aniline	7.650	93	83531	35.357	ng	96
8) 2-Chlorophenol	7.903	128	73322	54.732	ng	95
9) Benzaldehyde	7.468	77	49222m	38.043	ng	
10) Phenol	7.515	94	98732	53.416	ng	99
11) bis(2-Chloroethyl)ether	7.738	93	68252	49.452	ng	98
12) 1,3-Dichlorobenzene	8.226	146	79671	55.822	ng	99
13) 1,4-Dichlorobenzene	8.373	146	80160	55.206	ng	97
14) 1,2-Dichlorobenzene	8.702	146	76631	54.107	ng	100
15) Benzyl Alcohol	8.578	79	76927	51.208	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.854	45	87758m	51.208	ng	
17) 2-Methylphenol	8.784	107	67265	49.556	ng	99
18) Hexachloroethane	9.436	117	28295	56.910	ng	94
19) n-Nitroso-di-n-propyla...	9.142	70	61476	45.312	ng	99
20) 3+4-Methylphenols	9.113	107	92581	48.588	ng	97
22) Acetophenone	9.172	105	116682	48.773	ng	96
24) Nitrobenzene	9.565	77	91304	46.997	ng	93
25) Isophorone	10.082	82	168562	44.808	ng	97
26) 2-Nitrophenol	10.282	139	41386	49.684	ng	93
27) 2,4-Dimethylphenol	10.329	122	74000	51.384	ng	99
28) bis(2-Chloroethoxy)met...	10.552	93	94221	48.302	ng	100
29) 2,4-Dichlorophenol	10.828	162	77953	51.537	ng	98
30) 1,2,4-Trichlorobenzene	11.034	180	82362	49.962	ng	100
31) Naphthalene	11.228	128	224568	47.450	ng	100
32) Benzoic acid	10.493	122	39353m	47.027	ng	
33) 4-Chloroaniline	11.339	127	64097	29.451	ng	97
34) Hexachlorobutadiene	11.498	225	57709	50.613	ng	99
35) Caprolactam	12.109	113	26487m	42.241	ng	
36) 4-Chloro-3-methylphenol	12.438	107	84765	47.344	ng	97
37) 2-Methylnaphthalene	12.808	142	165068	44.439	ng	95
38) 1-Methylnaphthalene	13.025	142	153941	43.429	ng	99
40) 1,2,4,5-Tetrachloroben...	13.172	216	110281	52.539	ng	99
41) Hexachlorocyclopentadiene	13.143	237	63998	102.262	ng	95
43) 2,4,6-Trichlorophenol	13.407	196	71093	53.799	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.495	196	75773	48.144	ng	98
46) 1,1'-Biphenyl	13.795	154	232937	50.964	ng	98
47) 2-Chloronaphthalene	13.848	162	176735	51.337	ng	98
48) 2-Nitroaniline	14.047	65	57470	47.657	ng	98
49) Acenaphthylene	14.688	152	281063	48.212	ng	99
50) Dimethylphthalate	14.394	163	236212	44.816	ng	99
51) 2,6-Dinitrotoluene	14.529	165	53863	47.740	ng	93
52) Acenaphthene	15.023	154	172984	48.493	ng	97
53) 3-Nitroaniline	14.864	138	36774	31.249	ng	100
54) 2,4-Dinitrophenol	15.087	184	61321	89.199	ng	95
55) Dibenzofuran	15.352	168	284390	46.658	ng	99
56) 4-Nitrophenol	15.181	139	72891	92.964	ng	95
57) 2,4-Dinitrotoluene	15.322	165	76985	45.572	ng	99
58) Fluorene	15.998	166	235499	45.760	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.587	232	71709	48.634	ng	98
60) Diethylphthalate	15.739	149	242650	44.108	ng	99
61) 4-Chlorophenyl-phenyle...	15.974	204	132842	46.317	ng	98
62) 4-Nitroaniline	16.027	138	53745	42.338	ng	93
63) Azobenzene	16.268	77	243948	49.862	ng	99
65) 4,6-Dinitro-2-methylph...	16.092	198	50798	52.875	ng	96
66) n-Nitrosodiphenylamine	16.192	169	207503	50.598	ng	99
67) 4-Bromophenyl-phenylether	16.873	248	88966	50.266	ng	97
68) Hexachlorobenzene	17.008	284	94824	51.975	ng	98
69) Atrazine	17.126	200	95862	54.445	ng	98
70) Pentachlorophenol	17.355	266	85460	91.931	ng	95
71) Phenanthrene	17.742	178	391445	48.480	ng	99
72) Anthracene	17.831	178	402479	48.590	ng	99
73) Carbazole	18.101	167	357651	48.266	ng	98
74) Di-n-butylphthalate	18.612	149	415912	47.281	ng	99
75) Fluoranthene	19.734	202	468008	44.648	ng	100
77) Benzidine	19.898	184	171006	41.443	ng	97
78) Pyrene	20.092	202	477534	49.183	ng	98
80) Butylbenzylphthalate	20.938	149	175716	49.693	ng	98
81) Benzo(a)anthracene	21.984	228	464018	49.049	ng	98
82) 3,3'-Dichlorobenzidine	21.878	252	116354	33.352	ng	98
83) Chrysene	22.054	228	426876	47.749	ng	100
84) Bis(2-ethylhexyl)phtha...	21.819	149	250578	49.679	ng	99
85) Di-n-octyl phthalate	23.106	149	423405	50.643	ng	100
87) Indeno(1,2,3-cd)pyrene	29.550	276	517308	49.961	ng	99
88) Benzo(b)fluoranthene	24.375	252	461520	50.488	ng	98
89) Benzo(k)fluoranthene	24.445	252	455254	49.347	ng	98
90) Benzo(a)pyrene	25.332	252	407378	45.697	ng	99
91) Dibenzo(a,h)anthracene	29.591	278	432558	50.197	ng	100
92) Benzo(g,h,i)perylene	30.813	276	420067	49.984	ng	99

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

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