

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105167.D
 Acq On : 9 May 2018 1:38
 Operator : JU/SJ
 Sample : J2133-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Manual Integrations
 APPROVED

Sohil
 5/9/2018 6:51:10 PM

Quant Time: May 09 11:52:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	190339	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	758796	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	372793	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	747450	20.00	ng	0.00
75) Chrysene-d12	14.00	240	651553	20.00	ng	-0.01
86) Perylene-d12	15.54	264	567903	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1468343	127.09	ng	0.00
7) Phenol-d6	6.42	99	1727629	125.58	ng	0.00
23) Nitrobenzene-d5	7.36	82	1010455	90.25	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	558058	135.68	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1858969	77.40	ng	0.00
78) Terphenyl-d14	12.91	244	2130498	75.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	12309	2.015	ng	98
3) Pyridine	3.33	79	30545m	1.865	ng	
4) n-Nitrosodimethylamine	3.19	42	12138	1.462	ng	# 76
6) Aniline	6.46	93	38867	1.934	ng	97
8) 2-Chlorophenol	6.57	128	27198	2.219	ng	97
9) Benzaldehyde	6.35	77	11697	1.109	ng	98
10) Phenol	6.43	94	32081	2.095	ng	# 45
11) bis(2-Chloroethyl)ether	6.53	93	26954	2.136	ng	92
12) 1,3-Dichlorobenzene	6.73	146	32408	2.194	ng	97
13) 1,4-Dichlorobenzene	6.81	146	33982	2.300	ng	94
14) 1,2-Dichlorobenzene	6.96	146	31314	2.298	ng	96
15) Benzyl Alcohol	6.93	79	20387	1.936	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.06	45	48077	2.050	ng	97
17) 2-Methylphenol	7.03	107	21931	2.072	ng	96
18) Hexachloroethane	7.30	117	9834	2.069	ng	91
19) n-Nitroso-di-n-propylamine	7.20	70	19437	2.134	ng	91
20) 3+4-Methylphenols	7.19	107	28518	2.293	ng	# 84
22) Acetophenone	7.19	105	41838	2.365	ng	# 90
24) Nitrobenzene	7.37	77	32631	2.570	ng	94
25) Isophorone	7.60	82	46978	1.876	ng	99
26) 2-Nitrophenol	7.69	139	8728	11.289	ng	92
27) 2,4-Dimethylphenol	7.72	122	19145	1.721	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	30824	1.995	ng	95
29) 2,4-Dichlorophenol	7.92	162	19530	1.876	ng	94
30) 1,2,4-Trichlorobenzene	8.01	180	27374	2.280	ng	98
31) Naphthalene	8.09	128	85423	2.338	ng	98
32) Benzoic acid	7.76	122	7683	10.286	ng	96
33) 4-Chloroaniline	8.14	127	29895	1.968	ng	96
34) Hexachlorobutadiene	8.21	225	16236	2.334	ng	99
35) Caprolactam	8.46	113	4956	1.568	ng	# 69
36) 4-Chloro-3-methylphenol	8.60	107	19152	1.767	ng	100
37) 2-Methylnaphthalene	8.78	142	57240	2.248	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	27890	2.351	ng	98
40) Hexachlorocyclopentadiene	8.93	237	11102	1.731	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	12816m	1.771	nq	
43) 2,4,5-Trichlorophenol	9.09	196	15975	2.112	nq	97
45) 1,1'-Biphenyl	9.25	154	80455	2.649	nq	99
46) 2-Chloronaphthalene	9.27	162	55800	2.458	nq	94
47) 2-Nitroaniline	9.36	65	10445	7.203	nq	93
48) Acenaphthylene	9.69	152	80026	2.282	nq	99
49) Dimethylphthalate	9.54	163	58949	2.336	nq	98
50) 2,6-Dinitrotoluene	9.60	165	10618	1.939	nq	97
51) Acenaphthene	9.86	154	54467	2.410	nq	97
52) 3-Nitroaniline	9.77	138	11466	1.988	nq	99
53) 2,4-Dinitrophenol	9.87	184	1337	10.251	nq	# 24
54) Dibenzofuran	10.03	168	75894	2.296	nq	98
55) 4-Nitrophenol	9.92	139	6588	5.501	nq	94
56) 2,4-Dinitrotoluene	10.00	165	11507	5.070	nq	# 99
57) Fluorene	10.37	166	62197	2.566	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	12138	1.798	nq	# 90
59) Diethylphthalate	10.25	149	58227	2.348	nq	98
60) 4-Chlorophenyl-phenylether	10.37	204	28885	2.560	nq	# 85
61) 4-Nitroaniline	10.37	138	10093	1.758	nq	98
62) Azobenzene	10.53	77	54670	2.113	nq	96
64) 4,6-Dinitro-2-methylphenol	10.40	198	3427	10.043	nq	92
65) n-Nitrosodiphenylamine	10.49	169	51015	2.190	nq	98
66) 4-Bromophenyl-phenylether	10.86	248	16813	2.109	nq	# 87
67) Hexachlorobenzene	10.92	284	20999	2.286	nq	# 86
68) Atrazine	11.00	200	9538	1.306	nq	96
69) Pentachlorophenol	11.10	266	8182	4.674	nq	97
70) Phenanthrene	11.33	178	92718	2.353	nq	98
71) Anthracene	11.39	178	87464	2.184	nq	98
72) Carbazole	11.54	167	80353	2.227	nq	98
73) Di-n-butylphthalate	11.87	149	73259	1.898	nq	98
74) Fluoranthene	12.52	202	90479	2.204	nq	95
76) Benzidine	12.65	184	11112m	0.457	nq	
77) Pyrene	12.75	202	98781	2.084	nq	98
79) Butylbenzylphthalate	13.39	149	21082	7.954	nq	99
80) Benzo(a)anthracene	13.99	228	82454	2.087	nq	99
81) 3,3'-Dichlorobenzidine	13.96	252	17440	1.174	nq	# 91
82) Chrysene	14.03	228	87736	2.156	nq	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	33068	1.688	nq	100
84) Di-n-octyl phthalate	14.68	149	35881	7.743	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.98	276	51528	1.598	nq	95
87) Benzo(b)fluoranthene	15.12	252	70866	2.040	nq	98
88) Benzo(k)fluoranthene	15.14	252	68637	2.037	nq	# 96
89) Benzo(a)pyrene	15.48	252	56955	1.802	nq	98
90) Dibenzo(a,h)anthracene	17.00	278	44225	1.802	nq	96
91) Benzo(g,h,i)perylene	17.41	276	43706	1.820	nq	# 93

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

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