

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\
 Data File : BM019165.D
 Acq On : 14 Mar 2019 12:38
 Operator : JU/SJ
 Sample : K1824-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-24MSD

Manual Integrations
 APPROVED

Sohil
 3/15/2019 5:51:07 PM

Quant Time: Mar 15 07:13:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	205463	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	926968	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	601604	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1415240	20.00	ng	-0.01
76) Chrysene-d12	21.27	240	1494303	20.00	ng	0.00
87) Perylene-d12	23.50	264	1342520	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1733150	136.61	ng	0.00
7) Phenol-d6	6.84	99	2671839	143.98	ng	0.00
23) Nitrobenzene-d5	8.83	82	1630510	83.15	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1255862	141.39	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	3439117	74.36	ng	-0.01
79) Terphenyl-d14	19.70	244	6185919	82.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.22	88	171603	30.405	ng	99
3) Pyridine	3.62	79	274400	17.871	ng	99
4) n-Nitrosodimethylamine	3.53	42	164949	34.555	ng	92
6) Aniline	7.00	93	388441	16.213	ng	100
8) 2-Chlorophenol	7.22	128	640602	42.018	ng	98
9) Benzaldehyde	6.82	77	297461	25.484	ng	100
10) Phenol	6.87	94	1059948	52.998	ng	99
11) bis(2-Chloroethyl)ether	7.10	93	572946	37.543	ng	99
12) 1,3-Dichlorobenzene	7.54	146	576365	35.723	ng	100
13) 1,4-Dichlorobenzene	7.69	146	598848	36.406	ng	98
14) 1,2-Dichlorobenzene	8.00	146	584714	36.537	ng	99
15) Benzyl Alcohol	7.91	79	649731	42.304	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.19	45	578697	37.138	ng	99
17) 2-Methylphenol	8.10	107	583978	44.809	ng	99
18) Hexachloroethane	8.72	117	217206	35.536	ng	96
19) n-Nitroso-di-n-propylamine	8.47	70	598091	39.285	ng	99
20) 3+4-Methylphenols	8.43	107	815723	46.111	ng	100
22) Acetophenone	8.49	105	962063	37.555	ng	# 99
24) Nitrobenzene	8.87	77	816827	40.051	ng	99
25) Isophorone	9.39	82	1543991	41.262	ng	100
26) 2-Nitrophenol	9.57	139	354645	41.951	ng	99
27) 2,4-Dimethylphenol	9.63	122	631289	50.231	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	910226	41.082	ng	100
29) 2,4-Dichlorophenol	10.10	162	672787	48.335	ng	99
30) 1,2,4-Trichlorobenzene	10.30	180	617200	39.324	ng	100
31) Naphthalene	10.49	128	1939147	39.689	ng	100
32) Benzoic acid	9.77	122	188451m	17.705	ng	
33) 4-Chloroaniline	10.63	127	202809	10.126	ng	99
34) Hexachlorobutadiene	10.75	225	326122	36.208	ng	99
35) Caprolactam	11.45	113	231289m	46.647	ng	
36) 4-Chloro-3-methylphenol	11.75	107	816296	47.529	ng	99
37) 2-Methylnaphthalene	12.11	142	1512930	42.613	ng	100
38) 1-Methylnaphthalene	12.33	142	1445858	41.316	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.48	216	719706	37.819	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.45	237	745243	86.455	ng	99
43) 2,4,6-Trichlorophenol	12.73	196	561048	45.620	ng	97
44) 2,4,5-Trichlorophenol	12.80	196	604971	46.002	ng	99
46) 1,1'-Biphenyl	13.14	154	2001538	38.096	ng	99
47) 2-Chloronaphthalene	13.18	162	1560806	39.800	ng	100
48) 2-Nitroaniline	13.41	65	585846	44.544	ng	98
49) Acenaphthylene	14.03	152	2608112	39.332	ng	100
50) Dimethylphthalate	13.78	163	2599107	50.503	ng	99
51) 2,6-Dinitrotoluene	13.91	165	479933	43.139	ng	99
52) Acenaphthene	14.37	154	1507391	39.562	ng	99
53) 3-Nitroaniline	14.24	138	240582	20.418	ng	99
54) 2,4-Dinitrophenol	14.46	184	477991	73.982	ng	98
55) Dibenzofuran	14.72	168	2486437	40.465	ng	99
56) 4-Nitrophenol	14.56	139	851506	88.511	ng	99
57) 2,4-Dinitrotoluene	14.70	165	696682	43.141	ng	98
58) Fluorene	15.37	166	2076481	40.997	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	556356	45.443	ng	100
60) Diethylphthalate	15.14	149	2224754	42.683	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	1020144	41.470	ng	97
62) 4-Nitroaniline	15.42	138	477730	40.231	ng	98
63) Azobenzene	15.66	77	2291270	41.775	ng	99
65) 4,6-Dinitro-2-methylphenol	15.46	198	354835	38.261	ng	100
66) n-Nitrosodiphenylamine	15.59	169	1841102	40.862	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	622806	39.907	ng	98
68) Hexachlorobenzene	16.36	284	738068	39.778	ng	98
69) Atrazine	16.54	200	662523	43.682	ng	98
70) Pentachlorophenol	16.72	266	923159	82.581	ng	100
71) Phenanthrene	17.11	178	3270450	39.426	ng	100
72) Anthracene	17.20	178	3336860	41.091	ng	99
73) Carbazole	17.48	167	3144608	41.028	ng	99
74) Di-n-butylphthalate	18.03	149	3905304	42.136	ng	100
75) Fluoranthene	19.13	202	3803910	39.963	ng	99
77) Benzidine	19.33	184	363532	8.578	ng	100
78) Pyrene	19.50	202	3870629	40.939	ng	100
80) Butylbenzylphthalate	20.40	149	1859139	45.146	ng	99
81) Benzo(a)anthracene	21.25	228	3655506	38.993	ng	100
82) 3,3'-Dichlorobenzidine	21.19	252	761366	21.082	ng	97
83) Chrysene	21.30	228	3519842	38.810	ng	99
84) Bis(2-ethylhexyl)phthalate	21.17	149	2759754	46.065	ng	# 97
85) Di-n-octyl phthalate	22.05	149	4685559	46.446	ng	100
86) Indeno(1,2,3-cd)pyrene	25.77	276	3559617	36.460	ng	100
88) Benzo(b)fluoranthene	22.83	252	3547417	40.779	ng	99
89) Benzo(k)fluoranthene	22.87	252	3547719	44.339	ng	99
90) Benzo(a)pyrene	23.41	252	3286250	42.036	ng	100
91) Dibenzo(a,h)anthracene	25.78	278	3081605	41.207	ng	100
92) Benzo(g,h,i)perylene	26.46	276	2815496	41.007	ng	100

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

