

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012523\
 Data File : BM038531.D
 Acq On : 25 Jan 2023 14:05
 Operator : CG/JU
 Sample : N4955-09
 Misc : MDL-MDL-WATER 8ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/26/2023
 Supervised By : Jagrut Upadhyay 01/26/2023

Quant Time: Jan 25 23:15:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	55709	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	182787	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	117166	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	284001	20.000	ng	0.00
76) Chrysene-d12	21.515	240	328040	20.000	ng	0.00
86) Perylene-d12	23.927	264	398831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	409255	121.444	ng	0.00
7) Phenol-d6	7.128	99	517680	120.402	ng	0.00
23) Nitrobenzene-d5	9.139	82	337196	80.108	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	244255	144.767	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	767376	80.678	ng	0.00
79) Terphenyl-d14	19.956	244	1335351	79.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	13290	8.408	ng	100
3) Pyridine	3.804	79	27401m	6.601	ng	
4) n-Nitrosodimethylamine	3.710	42	15499m	7.865	ng	
6) Aniline	7.292	93	40960	7.675	ng	99
8) 2-Chlorophenol	7.522	128	28218	8.197	ng	94
9) Benzaldehyde	7.110	77	26526m	10.401	ng	
10) Phenol	7.157	94	35079	8.165	ng	94
11) bis(2-Chloroethyl)ether	7.392	93	26713	7.880	ng	96
12) 1,3-Dichlorobenzene	7.851	146	32542	8.315	ng	93
13) 1,4-Dichlorobenzene	7.998	146	32597	8.243	ng	99
14) 1,2-Dichlorobenzene	8.316	146	32232	8.415	ng	96
15) Benzyl Alcohol	8.216	79	24778	7.708	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.498	45	28509	8.008	ng	100
17) 2-Methylphenol	8.416	107	21371	7.028	ng	89
18) Hexachloroethane	9.039	117	12458	8.474	ng	92
19) n-Nitroso-di-n-propyla...	8.775	70	22226	7.430	ng	99
20) 3+4-Methylphenols	8.739	107	28359	6.958	ng	94
22) Acetophenone	8.798	105	42010	8.343	ng	# 96
24) Nitrobenzene	9.181	77	38075	8.940	ng	95
25) Isophorone	9.704	82	54700	7.875	ng	# 97
26) 2-Nitrophenol	9.892	139	12957	7.664	ng	97
27) 2,4-Dimethylphenol	9.945	122	20955	7.448	ng	97
28) bis(2-Chloroethoxy)met...	10.186	93	32819	8.076	ng	97
29) 2,4-Dichlorophenol	10.427	162	25280	7.659	ng	94
30) 1,2,4-Trichlorobenzene	10.633	180	31598	8.371	ng	98
31) Naphthalene	10.822	128	76153	7.669	ng	96
32) Benzoic acid	10.028	122	9013	9.204	ng	95
33) 4-Chloroaniline	10.945	127	30479	7.354	ng	95
34) Hexachlorobutadiene	11.098	225	21486	8.653	ng	98
35) Caprolactam	11.722	113	5271	6.587	ng	95
36) 4-Chloro-3-methylphenol	12.063	107	23235	7.741	ng	98
37) 2-Methylnaphthalene	12.433	142	52846	7.405	ng	95
38) 1-Methylnaphthalene	12.651	142	51218	7.610	ng	99
40) 1,2,4,5-Tetrachloroben...	12.792	216	36762	8.341	ng	97
41) Hexachlorocyclopentadiene	12.763	237	19664	8.118	ng	99
43) 2,4,6-Trichlorophenol	13.039	196	21627	7.665	ng	96

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44) 2,4,5-Trichlorophenol	13.110	196	23959	7.250	ng	96
46) 1,1'-Biphenyl	13.433	154	76146	8.115	ng	98
47) 2-Chloronaphthalene	13.480	162	60082	8.202	ng	98
48) 2-Nitroaniline	13.692	65	14696	6.832	ng	94
49) Acenaphthylene	14.321	152	85624	7.471	ng	98
50) Dimethylphthalate	14.057	163	69852	7.745	ng	100
51) 2,6-Dinitrotoluene	14.186	165	14322	7.546	ng	96
52) Acenaphthene	14.663	154	52999	7.583	ng	97
53) 3-Nitroaniline	14.515	138	11802	6.257	ng	99
54) 2,4-Dinitrophenol	14.727	184	7463	9.584	ng	92
55) Dibenzofuran	14.998	168	93286	7.983	ng	99
56) 4-Nitrophenol	14.821	139	9383	6.041	ng	87
57) 2,4-Dinitrotoluene	14.974	165	18204	7.075	ng	# 95
58) Fluorene	15.639	166	73942	7.803	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.221	232	21038	7.789	ng	99
60) Diethylphthalate	15.410	149	68194	7.721	ng	100
61) 4-Chlorophenyl-phenyle...	15.633	204	41098	8.261	ng	99
62) 4-Nitroaniline	15.674	138	12319	8.666	ng	# 80
63) Azobenzene	15.927	77	70665	7.551	ng	98
65) 4,6-Dinitro-2-methylph...	15.727	198	11633	6.310	ng	92
66) n-Nitrosodiphenylamine	15.851	169	60861	7.138	ng	95
67) 4-Bromophenyl-phenylether	16.527	248	24691	7.838	ng	95
68) Hexachlorobenzene	16.645	284	29957	8.813	ng	96
69) Atrazine	16.798	200	23363	8.214	ng	96
70) Pentachlorophenol	16.992	266	16192	6.690	ng	97
71) Phenanthrene	17.380	178	123351	7.778	ng	99
72) Anthracene	17.474	178	118618	7.350	ng	98
73) Carbazole	17.751	167	104972	7.386	ng	99
74) Di-n-butylphthalate	18.298	149	109406	7.007	ng	99
75) Fluoranthene	19.392	202	148969	7.815	ng	98
77) Benzidine	19.586	184	68301	9.137	ng	98
78) Pyrene	19.756	202	161491	7.070	ng	100
80) Butylbenzylphthalate	20.644	149	49612	6.281	ng	94
81) Benzo(a)anthracene	21.497	228	181198	7.795	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	63924	8.562	ng	# 98
83) Chrysene	21.550	228	174027	7.656	ng	100
84) Bis(2-ethylhexyl)phtha...	21.409	149	74891	6.542	ng	95
85) Di-n-octyl phthalate	22.338	149	131938	6.482	ng	99
87) Indeno(1,2,3-cd)pyrene	26.438	276	220797	7.481	ng	98
88) Benzo(b)fluoranthene	23.185	252	191766	7.971	ng	97
89) Benzo(k)fluoranthene	23.233	252	196079	7.876	ng	98
90) Benzo(a)pyrene	23.815	252	170436	7.145	ng	# 96
91) Dibenzo(a,h)anthracene	26.444	278	190624	7.760	ng	98
92) Benzo(g,h,i)perylene	27.209	276	196882	7.824	ng	97

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

