Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044061.D
Acq On : 12 Feb 2024 17:43
Operator : MA/JU
Sample : 04699-09
Misc : MDL-MDL-WATER-8PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT4-2023

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

Quant Time: Feb 13 00:47:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 02:42:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.904	152	555143	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2393558	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1438998	20.000	ng		0.00
64) Phenanthrene-d10	17.298	188	2952447	20.000	ng		0.00
76) Chrysene-d12	21.503	240	2428483	20.000	ng		0.00
86) Perylene-d12	23.897	264	2442312	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	3134005	82.109	ng		0.00
7) Phenol-d6	7.075	99	4133352	85.111	ng		0.00
23) Nitrobenzene-d5	9.075	82	2791821	61.893	ng		0.00
42) 2,4,6-Tribromophenol	16.039	330	1355589	87.006	ng		0.00
45) 2-Fluorobiphenyl	13.174	172	6104663	59.873	ng		0.00
79) Terphenyl-d14	19.944	244	8320376	60.062	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	97069	6.408	ng		96
3) Pyridine	3.787	79	221380	5.536	ng		98
4) n-Nitrosodimethylamine	3.710	42	93149	6.139	ng	#	96
6) Aniline	7.239	93	350115	7.332	ng		98
8) 2-Chlorophenol	7.463	128	243196	6.101	ng		98
9) Benzaldehyde	7.051	77	219259m	8.785	ng		
10) Phenol	7.098	94	305875	6.241	ng		97
11) bis(2-Chloroethyl)ether	7.339	93	252430	6.219	ng		99
12) 1,3-Dichlorobenzene	7.792	146	268978	5.944	ng		97
13) 1,4-Dichlorobenzene	7.939	146	273897	6.004	ng		98
14) 1,2-Dichlorobenzene	8.251	146	261457	6.015	ng		99
15) Benzyl Alcohol	8.151	79	203782	6.445	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.445	45	338626	6.581	ng		99
17) 2-Methylphenol	8.351	107	195486	6.076	ng		98
18) Hexachloroethane	8.975	117	98844	5.787	ng		98
19) n-Nitroso-di-n-propyla...	8.722	70	195836	6.567	ng		100
20) 3+4-Methylphenols	8.675	107	264184	5.966	ng		99
22) Acetophenone	8.733	105	393901	6.483	ng	#	98
24) Nitrobenzene	9.116	77	291128	6.303	ng		99
25) Isophorone	9.639	82	528546	6.085	ng		99
26) 2-Nitrophenol	9.822	139	112770	5.266	ng		94
27) 2,4-Dimethylphenol	9.886	122	187976	6.865	ng		98
28) bis(2-Chloroethoxy)met...	10.133	93	349857	6.228	ng		99
29) 2,4-Dichlorophenol	10.351	162	209357	5.807	ng		94
30) 1,2,4-Trichlorobenzene	10.569	180	237978	5.870	ng		99
31) Naphthalene	10.757	128	803251	6.080	ng		100
32) Benzoic acid	9.957	122	95241	3.453	ng		98
33) 4-Chloroaniline	10.874	127	324401	6.485	ng		98
34) Hexachlorobutadiene	11.033	225	131461	5.665	ng		95
35) Caprolactam	11.651	113	63987	5.515	ng		100
36) 4-Chloro-3-methylphenol	11.992	107	231416	5.928	ng		98
37) 2-Methylnaphthalene	12.368	142	535837	6.089	ng		97
38) 1-Methylnaphthalene	12.586	142	521730	6.034	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	253266	6.055	ng		99
41) Hexachlorocyclopentadiene	12.704	237	119330	6.537	ng		99
43) 2,4,6-Trichlorophenol	12.980	196	153093	5.378	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	173616	5.558	ng	97
46) 1,1'-Biphenyl	13.386	154	724541	6.381	ng	99
47) 2-Chloronaphthalene	13.421	162	535415	5.953	ng	99
48) 2-Nitroaniline	13.633	65	147213	5.818	ng	89
49) Acenaphthylene	14.268	152	887756	6.616	ng	99
50) Dimethylphthalate	14.015	163	671195	6.291	ng	100
51) 2,6-Dinitrotoluene	14.139	165	131060	5.568	ng	95
52) Acenaphthene	14.610	154	503731	6.065	ng	99
53) 3-Nitroaniline	14.462	138	144901	5.728	ng	94
54) 2,4-Dinitrophenol	14.668	184	47912	8.742	ng	96
55) Dibenzofuran	14.945	168	836358	6.506	ng	99
56) 4-Nitrophenol	14.762	139	102139	4.967	ng	96
57) 2,4-Dinitrotoluene	14.921	165	166364	5.407	ng	96
58) Fluorene	15.598	166	653112	6.575	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.168	232	151236	6.170	ng	99
60) Diethylphthalate	15.380	149	668933	6.067	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	312069	6.484	ng	99
62) 4-Nitroaniline	15.627	138	137602	5.404	ng	98
63) Azobenzene	15.892	77	650907	6.292	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	74221	4.219	ng	99
66) n-Nitrosodiphenylamine	15.815	169	551103	6.144	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	154812	5.303	ng	98
68) Hexachlorobenzene	16.592	284	208919	5.843	ng	97
69) Atrazine	16.774	200	180201	7.419	ng	99
70) Pentachlorophenol	16.939	266	107930	4.640	ng	99
71) Phenanthrene	17.345	178	1002113	6.428	ng	99
72) Anthracene	17.433	178	970372	6.287	ng	99
73) Carbazole	17.709	167	910323	6.065	ng	99
74) Di-n-butylphthalate	18.286	149	1095463	5.615	ng	99
75) Fluoranthene	19.362	202	1061743	6.063	ng	99
77) Benzidine	19.562	184	370374	9.814	ng	99
78) Pyrene	19.727	202	1119451	5.985	ng	100
80) Butylbenzylphthalate	20.650	149	423927	5.099	ng	98
81) Benzo(a)anthracene	21.486	228	1035132	6.128	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	324721	5.859	ng	97
83) Chrysene	21.538	228	957688	6.001	ng	100
84) Bis(2-ethylhexyl)phtha...	21.433	149	656700	5.354	ng	100
85) Di-n-octyl phthalate	22.374	149	998263	4.660	ng	98
87) Indeno(1,2,3-cd)pyrene	26.373	276	906474	5.244	ng	100
88) Benzo(b)fluoranthene	23.168	252	927868	6.078	ng	99
89) Benzo(k)fluoranthene	23.215	252	872548	6.015	ng	99
90) Benzo(a)pyrene	23.785	252	750329	5.627	ng	99
91) Dibenzo(a,h)anthracene	26.403	278	765875	5.297	ng	98
92) Benzo(g,h,i)perylene	27.132	276	728979	4.971	ng	99

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

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