Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044065.D
Acq On : 12 Feb 2024 20:08
Operator : MA/JU
Sample : P1187-09
Misc : MDL-MDL-WATER-8PPM
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT1-2024

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

Quant Time: Feb 13 00:49:50 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	499341	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2020448	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1141728	20.000	ng		0.00
64) Phenanthrene-d10	17.298	188	2239573	20.000	ng		0.00
76) Chrysene-d12	21.503	240	1862268	20.000	ng		0.00
86) Perylene-d12	23.897	264	2084275	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	2839970	82.720	ng		0.00
7) Phenol-d6	7.075	99	3628486	83.065	ng		0.00
23) Nitrobenzene-d5	9.075	82	2374885	62.372	ng		0.00
42) 2,4,6-Tribromophenol	16.039	330	1028089	83.167	ng		0.00
45) 2-Fluorobiphenyl	13.175	172	4982824	61.594	ng		0.00
79) Terphenyl-d14	19.945	244	6382877	60.085	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	90386	6.634	ng		97
3) Pyridine	3.787	79	195289	5.429	ng		98
4) n-Nitrosodimethylamine	3.710	42	82653	6.056	ng	#	91
6) Aniline	7.240	93	302978	7.054	ng		98
8) 2-Chlorophenol	7.463	128	211979	5.913	ng		97
9) Benzaldehyde	7.051	77	190077m	8.467	ng		
10) Phenol	7.098	94	269578	6.115	ng		98
11) bis(2-Chloroethyl)ether	7.340	93	216855	5.940	ng		97
12) 1,3-Dichlorobenzene	7.793	146	240813	5.916	ng		98
13) 1,4-Dichlorobenzene	7.940	146	245390	5.981	ng		98
14) 1,2-Dichlorobenzene	8.251	146	231240	5.915	ng		99
15) Benzyl Alcohol	8.151	79	169937	5.975	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.440	45	287167	6.205	ng		100
17) 2-Methylphenol	8.351	107	167376	5.784	ng		98
18) Hexachloroethane	8.975	117	87834	5.717	ng		98
19) n-Nitroso-di-n-propyla...	8.716	70	163060	6.079	ng		97
20) 3+4-Methylphenols	8.681	107	225564	5.663	ng		97
22) Acetophenone	8.734	105	335320	6.538	ng	#	98
24) Nitrobenzene	9.116	77	242386	6.216	ng		98
25) Isophorone	9.640	82	428795	5.848	ng		99
26) 2-Nitrophenol	9.822	139	94037	5.202	ng		95
27) 2,4-Dimethylphenol	9.887	122	158149	6.842	ng		98
28) bis(2-Chloroethoxy)met...	10.134	93	285650	6.024	ng		99
29) 2,4-Dichlorophenol	10.351	162	168338	5.531	ng		97
30) 1,2,4-Trichlorobenzene	10.569	180	205987	6.019	ng		97
31) Naphthalene	10.757	128	679572	6.094	ng		99
32) Benzoic acid	9.951	122	65533	2.814	ng		97
33) 4-Chloroaniline	10.875	127	265620	6.291	ng		99
34) Hexachlorobutadiene	11.034	225	112671	5.752	ng		99
35) Caprolactam	11.645	113	48831	4.986	ng		93
36) 4-Chloro-3-methylphenol	11.992	107	180576	5.480	ng		94
37) 2-Methylnaphthalene	12.369	142	438008	5.897	ng		99
38) 1-Methylnaphthalene	12.586	142	423956	5.809	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	206718	6.229	ng		99
41) Hexachlorocyclopentadiene	12.704	237	99552	6.874	ng		100
43) 2,4,6-Trichlorophenol	12.980	196	120564	5.338	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	130877	5.281	ng	97
46) 1,1'-Biphenyl	13.386	154	577503	6.410	ng	100
47) 2-Chloronaphthalene	13.422	162	431037	6.040	ng	98
48) 2-Nitroaniline	13.639	65	109586	5.458	ng	91
49) Acenaphthylene	14.269	152	691322	6.493	ng	99
50) Dimethylphthalate	14.016	163	509967	6.024	ng	100
51) 2,6-Dinitrotoluene	14.139	165	99183	5.311	ng	95
52) Acenaphthene	14.610	154	400089	6.072	ng	100
53) 3-Nitroaniline	14.463	138	103100	5.137	ng	95
54) 2,4-Dinitrophenol	14.669	184	33881	8.399	ng	93
55) Dibenzofuran	14.945	168	644594	6.320	ng	98
56) 4-Nitrophenol	14.763	139	73898	4.529	ng	94
57) 2,4-Dinitrotoluene	14.922	165	120159	4.922	ng	93
58) Fluorene	15.598	166	504032	6.396	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.169	232	113342	5.828	ng	99
60) Diethylphthalate	15.380	149	496434	5.674	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	241776	6.331	ng	98
62) 4-Nitroaniline	15.627	138	99920	4.945	ng	99
63) Azobenzene	15.892	77	491661	5.990	ng	98
65) 4,6-Dinitro-2-methylph...	15.674	198	52433	3.929	ng	93
66) n-Nitrosodiphenylamine	15.816	169	412783	6.067	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	113467	5.124	ng	98
68) Hexachlorobenzene	16.592	284	159231	5.870	ng	98
69) Atrazine	16.774	200	131998	7.165	ng	99
70) Pentachlorophenol	16.945	266	73691	4.176	ng	99
71) Phenanthrene	17.339	178	752248	6.361	ng	100
72) Anthracene	17.433	178	728848	6.225	ng	99
73) Carbazole	17.710	167	676285	5.939	ng	99
74) Di-n-butylphthalate	18.286	149	766117	5.176	ng	99
75) Fluoranthene	19.362	202	781392	5.882	ng	99
77) Benzidine	19.562	184	276220	9.544	ng	99
78) Pyrene	19.727	202	825209	5.754	ng	99
80) Butylbenzylphthalate	20.651	149	288434	4.524	ng	99
81) Benzo(a)anthracene	21.486	228	787829	6.082	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	254450	5.987	ng	99
83) Chrysene	21.539	228	725268	5.926	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	461982	4.911	ng	98
85) Di-n-octyl phthalate	22.374	149	706957	4.303	ng	98
87) Indeno(1,2,3-cd)pyrene	26.374	276	856797	5.808	ng	99
88) Benzo(b)fluoranthene	23.168	252	743465	5.706	ng	99
89) Benzo(k)fluoranthene	23.215	252	735700	5.942	ng	100
90) Benzo(a)pyrene	23.792	252	633899	5.570	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	726457	5.887	ng	99
92) Benzo(g,h,i)perylene	27.132	276	696829	5.568	ng	99

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

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