Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044064.D
Acq On : 12 Feb 2024 19:31
Operator : MA/JU
Sample : P1187-09
Misc : MDL-MDL-WATER-4PPM
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 13 00:49:08 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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.904	152	407336	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	1949705	20.000	ng		0.00
39) Acenaphthene-d10	14.545	164	1185302	20.000	ng		-0.01
64) Phenanthrene-d10	17.298	188	2326424	20.000	ng		0.00
76) Chrysene-d12	21.503	240	1916236	20.000	ng		0.00
86) Perylene-d12	23.897	264	2119052	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	3914475	139.770	ng		0.00
7) Phenol-d6	7.075	99	5469888	153.502	ng		0.00
23) Nitrobenzene-d5	9.075	82	2985539	81.255	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1706502	132.972	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	6621344	78.839	ng		0.00
79) Terphenyl-d14	19.944	244	8410423	76.941	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	47150	4.242	ng		98
3) Pyridine	3.793	79	113431	3.866	ng		97
4) n-Nitrosodimethylamine	3.710	42	43117	3.873	ng	#	91
6) Aniline	7.239	93	180919	5.164	ng		98
8) 2-Chlorophenol	7.469	128	114245	3.906	ng		98
9) Benzaldehyde	7.057	77	102281m	5.585	ng		
10) Phenol	7.098	94	163717	4.552	ng		90
11) bis(2-Chloroethyl)ether	7.339	93	127781	4.291	ng		99
12) 1,3-Dichlorobenzene	7.792	146	120545	3.630	ng		99
13) 1,4-Dichlorobenzene	7.939	146	124125	3.708	ng		99
14) 1,2-Dichlorobenzene	8.257	146	118393	3.712	ng		99
15) Benzyl Alcohol	8.151	79	106863m	4.606	ng		
16) 2,2'-oxybis(1-Chloropr...	8.445	45	172766	4.576	ng		97
17) 2-Methylphenol	8.351	107	100526	4.258	ng		97
18) Hexachloroethane	8.975	117	43291	3.454	ng		95
19) n-Nitroso-di-n-propyla...	8.722	70	101560	4.641	ng		99
20) 3+4-Methylphenols	8.681	107	135497	4.170	ng		98
22) Acetophenone	8.733	105	202455	4.091	ng	#	96
24) Nitrobenzene	9.116	77	148337	3.942	ng		97
25) Isophorone	9.639	82	264476	3.738	ng		98
26) 2-Nitrophenol	9.828	139	53753	3.081	ng		98
27) 2,4-Dimethylphenol	9.886	122	96735	4.337	ng		95
28) bis(2-Chloroethoxy)met...	10.133	93	180685	3.949	ng		99
29) 2,4-Dichlorophenol	10.357	162	101971	3.472	ng		96
30) 1,2,4-Trichlorobenzene	10.569	180	115812	3.507	ng		99
31) Naphthalene	10.757	128	397317	3.692	ng		100
33) 4-Chloroaniline	10.874	127	160662	3.943	ng		98
34) Hexachlorobutadiene	11.033	225	63881	3.380	ng		99
35) Caprolactam	11.645	113	28535	3.020	ng		95
36) 4-Chloro-3-methylphenol	11.998	107	108030	3.397	ng		99
37) 2-Methylnaphthalene	12.368	142	274380	3.828	ng		99
38) 1-Methylnaphthalene	12.592	142	262876	3.732	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	131134	3.806	ng		99
41) Hexachlorocyclopentadiene	12.710	237	58014	3.858	ng		94
43) 2,4,6-Trichlorophenol	12.980	196	71887	3.066	ng		98
44) 2,4,5-Trichlorophenol	13.045	196	81675	3.174	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.386	154	360129	3.850	ng		99
47) 2-Chloronaphthalene	13.421	162	274833	3.710	ng		98
48) 2-Nitroaniline	13.633	65	64431	3.091	ng	#	79
49) Acenaphthylene	14.268	152	433551	3.922	ng		99
50) Dimethylphthalate	14.015	163	326706	3.717	ng		99
51) 2,6-Dinitrotoluene	14.139	165	60040	3.097	ng		92
52) Acenaphthene	14.610	154	253327	3.703	ng		97
53) 3-Nitroaniline	14.462	138	61003	2.928	ng	#	89
54) 2,4-Dinitrophenol	14.668	184	18309	7.051	ng		91
55) Dibenzofuran	14.945	168	419385	3.961	ng		99
56) 4-Nitrophenol	14.768	139	41080	2.425	ng		88
57) 2,4-Dinitrotoluene	14.921	165	69652	2.748	ng		94
58) Fluorene	15.598	166	318649	3.895	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	71407	3.537	ng		98
60) Diethylphthalate	15.380	149	314478	3.462	ng		99
61) 4-Chlorophenyl-phenyle...	15.598	204	154386	3.894	ng		98
62) 4-Nitroaniline	15.627	138	57986	2.764	ng		100
63) Azobenzene	15.892	77	298683	3.505	ng		97
65) 4,6-Dinitro-2-methylph...	15.680	198	29131	2.101	ng		92
66) n-Nitrosodiphenylamine	15.815	169	259222	3.668	ng		98
67) 4-Bromophenyl-phenylether	16.498	248	74979	3.260	ng		100
68) Hexachlorobenzene	16.592	284	101636	3.607	ng		99
69) Atrazine	16.774	200	78412	4.097	ng		97
70) Pentachlorophenol	16.945	266	44484	2.427	ng		95
71) Phenanthrene	17.345	178	486984	3.964	ng		100
72) Anthracene	17.433	178	455003	3.741	ng		99
73) Carbazole	17.709	167	417463	3.529	ng		98
74) Di-n-butylphthalate	18.286	149	463664	3.016	ng		99
75) Fluoranthene	19.362	202	490806	3.557	ng		98
77) Benzidine	19.562	184	103527	3.477	ng		97
78) Pyrene	19.727	202	508928	3.448	ng		99
80) Butylbenzylphthalate	20.650	149	168785	2.573	ng		99
81) Benzo(a)anthracene	21.486	228	489213	3.670	ng		98
82) 3,3'-Dichlorobenzidine	21.427	252	149811	3.425	ng		98
83) Chrysene	21.538	228	457423	3.632	ng		99
84) Bis(2-ethylhexyl)phtha...	21.439	149	270695	2.797	ng		99
85) Di-n-octyl phthalate	22.374	149	400214	2.368	ng		98
87) Indeno(1,2,3-cd)pyrene	26.373	276	530257	3.536	ng		99
88) Benzo(b)fluoranthene	23.168	252	458144	3.459	ng		100
89) Benzo(k)fluoranthene	23.215	252	452136	3.592	ng		99
90) Benzo(a)pyrene	23.791	252	386094	3.337	ng		98
91) Dibenzo(a,h)anthracene	26.403	278	442820	3.530	ng		99
92) Benzo(g,h,i)perylene	27.138	276	433292	3.406	ng		97

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

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