Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012523\
Data File : BM038529.D
Acq On : 25 Jan 2023 12:52
Operator : CG/JU
Sample : N4955-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 5 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 23:14:22 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	55914	20.000	ng		0.00
21) Naphthalene-d8	10.775	136	182278	20.000	ng		0.00
39) Acenaphthene-d10	14.598	164	115563	20.000	ng		0.00
64) Phenanthrene-d10	17.339	188	261754	20.000	ng	#	0.00
76) Chrysene-d12	21.515	240	287962	20.000	ng		0.00
86) Perylene-d12	23.927	264	366083	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	396524	117.234	ng		0.00
7) Phenol-d6	7.128	99	492397	114.101	ng		0.00
23) Nitrobenzene-d5	9.139	82	319678	76.159	ng		0.00
42) 2,4,6-Tribromophenol	16.086	330	217088	130.450	ng		0.00
45) 2-Fluorobiphenyl	13.227	172	711233	75.812	ng		0.00
79) Terphenyl-d14	19.956	244	1160853	78.590	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.375	88	6347	4.001	ng		94
3) Pyridine	3.816	79	11541m	2.770	ng		
4) n-Nitrosodimethylamine	3.710	42	6915	3.496	ng	#	78
6) Aniline	7.292	93	17354	3.240	ng		98
8) 2-Chlorophenol	7.528	128	12592	3.644	ng		95
9) Benzaldehyde	7.110	77	13389m	5.231	ng		
10) Phenol	7.151	94	15885	3.684	ng		83
11) bis(2-Chloroethyl)ether	7.387	93	12178	3.579	ng		96
12) 1,3-Dichlorobenzene	7.851	146	14559	3.706	ng		91
13) 1,4-Dichlorobenzene	7.998	146	14805	3.730	ng		96
14) 1,2-Dichlorobenzene	8.316	146	14122	3.673	ng		96
15) Benzyl Alcohol	8.210	79	10341	3.205	ng		89
16) 2,2'-oxybis(1-Chloropr...	8.498	45	13694	3.833	ng		94
17) 2-Methylphenol	8.410	107	9150	2.998	ng		95
18) Hexachloroethane	9.039	117	5475	3.711	ng		94
19) n-Nitroso-di-n-propyla...	8.775	70	9557	3.084	ng		99
20) 3+4-Methylphenols	8.739	107	11484	2.807	ng		94
22) Acetophenone	8.798	105	18010	3.587	ng	#	92
24) Nitrobenzene	9.181	77	17155m	4.039	ng		
25) Isophorone	9.704	82	22841	3.297	ng		100
26) 2-Nitrophenol	9.898	139	5059	3.001	ng		94
27) 2,4-Dimethylphenol	9.951	122	8234	2.935	ng		86
28) bis(2-Chloroethoxy)met...	10.186	93	13634	3.365	ng		91
29) 2,4-Dichlorophenol	10.428	162	10377	3.153	ng		88
30) 1,2,4-Trichlorobenzene	10.639	180	13636	3.623	ng		95
31) Naphthalene	10.828	128	32752	3.307	ng	#	96
32) Benzoic acid	10.033	122	2982m	6.788	ng		
33) 4-Chloroaniline	10.951	127	11568	2.799	ng		97
34) Hexachlorobutadiene	11.098	225	9504	3.838	ng		96
35) Caprolactam	11.727	113	1694	2.123	ng		94
36) 4-Chloro-3-methylphenol	12.063	107	8850	2.957	ng		90
37) 2-Methylnaphthalene	12.427	142	22090	3.104	ng		91
38) 1-Methylnaphthalene	12.651	142	21128m	3.148	ng		
40) 1,2,4,5-Tetrachloroben...	12.792	216	15429	3.549	ng		99
41) Hexachlorocyclopentadiene	12.769	237	7809	3.268	ng		96
43) 2,4,6-Trichlorophenol	13.039	196	8658	3.111	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	9015	2.766	ng		95
46) 1,1'-Biphenyl	13.433	154	32164	3.475	ng		98
47) 2-Chloronaphthalene	13.480	162	24777	3.429	ng		98
48) 2-Nitroaniline	13.692	65	5472	2.579	ng		89
49) Acenaphthylene	14.321	152	32605	2.885	ng		99
50) Dimethylphthalate	14.057	163	28634	3.219	ng		97
51) 2,6-Dinitrotoluene	14.180	165	5187	2.771	ng	#	70
52) Acenaphthene	14.663	154	21374	3.100	ng		96
53) 3-Nitroaniline	14.521	138	4110	2.209	ng	#	95
54) 2,4-Dinitrophenol	14.733	184	2126	6.232	ng	#	85
55) Dibenzofuran	14.998	168	37352	3.241	ng		96
57) 2,4-Dinitrotoluene	14.968	165	6014	2.370	ng	#	81
58) Fluorene	15.645	166	28693	3.070	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.221	232	7940	2.980	ng	#	96
60) Diethylphthalate	15.410	149	26473	3.039	ng		98
61) 4-Chlorophenyl-phenyle...	15.639	204	16233	3.308	ng		93
62) 4-Nitroaniline	15.674	138	4038	5.155	ng		98
63) Azobenzene	15.927	77	27717	3.003	ng		97
65) 4,6-Dinitro-2-methylph...	15.727	198	3546	2.087	ng		98
66) n-Nitrosodiphenylamine	15.851	169	23938	3.046	ng		98
67) 4-Bromophenyl-phenylether	16.527	248	9235	3.181	ng		96
68) Hexachlorobenzene	16.639	284	11538	3.683	ng		96
69) Atrazine	16.798	200	8766	3.344	ng		93
70) Pentachlorophenol	16.992	266	5545	2.486	ng		91
71) Phenanthrene	17.380	178	47710	3.264	ng		98
72) Anthracene	17.474	178	45287	3.045	ng		97
73) Carbazole	17.751	167	38074	2.907	ng		97
74) Di-n-butylphthalate	18.298	149	40022	2.781	ng	#	99
75) Fluoranthene	19.392	202	53751	3.060	ng		96
77) Benzidine	19.586	184	21131	3.220	ng		99
78) Pyrene	19.756	202	57875	2.886	ng		97
80) Butylbenzylphthalate	20.645	149	17666	2.548	ng		98
81) Benzo(a)anthracene	21.497	228	66148	3.242	ng		98
82) 3,3'-Dichlorobenzidine	21.433	252	21743	3.317	ng	#	96
83) Chrysene	21.550	228	65336	3.274	ng		98
84) Bis(2-ethylhexyl)phtha...	21.409	149	25064	2.494	ng		99
85) Di-n-octyl phthalate	22.339	149	46364	2.595	ng		98
87) Indeno(1,2,3-cd)pyrene	26.432	276	85144	3.143	ng	#	88
88) Benzo(b)fluoranthene	23.186	252	73587	3.332	ng		95
89) Benzo(k)fluoranthene	23.238	252	71053	3.109	ng	#	96
90) Benzo(a)pyrene	23.821	252	61946	2.829	ng		97
91) Dibenzo(a,h)anthracene	26.444	278	74954	3.324	ng		98
92) Benzo(g,h,i)perylene	27.215	276	77989	3.377	ng		96

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

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