Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032574.D
Acq On : 6 Feb 2018 20:18
Operator : SJ/JU
Sample : J1161-09
Misc : MDL-W-2 ppm
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT1-2018

Manual Integrations APPROVED
Sohil
2/7/2018 4:14:39 PM

Quant Time: Feb 07 14:23:12 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	19207	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	80320	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	58849	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	156622	20.00	ng	0.00
75) Chrysene-d12	22.40	240	193448	20.00	ng	0.00
86) Perylene-d12	26.06	264	217193	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	132302	138.35	ng	0.00
7) Phenol-d6	7.83	99	159877	125.29	ng	0.00
23) Nitrobenzene-d5	9.90	82	107466	83.57	ng	0.00
41) 2,4,6-Tribromophenol	16.82	330	153949	137.43	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	419379	84.70	ng	0.00
78) Terphenyl-d14	20.61	244	864725	95.75	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.80	88	234	0.727	ng	# 1
3) Pyridine	4.29	79	499	0.574	ng	# 46
4) n-Nitrosodimethylamine	4.18	42	204	0.451	ng	# 1
6) Aniline	8.02	93	348	0.219	ng	# 53
8) 2-Chlorophenol	8.26	128	2237	1.979	ng	88
9) Benzaldehyde	7.82	77	1256	1.906	ng	# 58
10) Phenol	7.86	94	1593	1.315	ng	# 51
11) bis(2-Chloroethyl)ether	8.10	93	1396	1.512	ng	# 35
12) 1,3-Dichlorobenzene	8.59	146	2298m	1.503	ng	
13) 1,4-Dichlorobenzene	8.75	146	2257	1.473	ng	# 85
14) 1,2-Dichlorobenzene	9.07	146	2471m	1.646	ng	
15) Benzyl Alcohol	8.96	79	809	0.769	ng	# 51
16) 2,2'-oxybis(1-Chloropropan	9.23	45	1303	1.489	ng	# 58
17) 2-Methylphenol	9.16	107	709	0.720	ng	# 53
18) Hexachloroethane	9.83	117	731	1.421	ng	# 77
19) n-Nitroso-di-n-propylamine	9.52	70	985	1.164	ng	# 84
20) 3+4-Methylphenols	9.49	107	1034	0.749	ng	# 64
22) Acetophenone	9.56	105	2282	1.212	ng	# 50
24) Nitrobenzene	9.94	77	2188	1.760	ng	# 87
25) Isophorone	10.46	82	3692	1.686	ng	# 91
26) 2-Nitrophenol	10.67	139	559	0.744	ng	# 42
27) 2,4-Dimethylphenol	10.73	122	1253	1.161	ng	# 56
28) bis(2-Chloroethoxy)methane	10.95	93	1213m	1.010	ng	
29) 2,4-Dichlorophenol	11.23	162	1851	1.295	ng	# 75
30) 1,2,4-Trichlorobenzene	11.44	180	2739	1.438	ng	# 83
31) Naphthalene	11.64	128	6113	1.558	ng	97
33) 4-Chloroaniline	11.75	127	208	0.119	ng	# 46
34) Hexachlorobutadiene	11.90	225	1956	1.320	ng	90
35) Caprolactam	12.48	113	59	0.144	ng	# 1
36) 4-Chloro-3-methylphenol	12.81	107	596	0.440	ng	# 78
37) 2-Methylnaphthalene	13.20	142	5211	1.581	ng	92
39) 1,2,4,5-Tetrachlorobenzene	13.56	216	3970	1.442	ng	# 91
40) Hexachlorocyclopentadiene	13.53	237	1441	0.838	ng	# 76
42) 2,4,6-Trichlorophenol	13.79	196	1727	1.153	ng	85

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,5-Trichlorophenol	13.86	196	1972m	1.130	ng		
45) 1,1'-Biphenyl	14.19	154	8203	1.650	ng		91
46) 2-Chloronaphthalene	14.23	162	6256	1.605	ng	#	88
47) 2-Nitroaniline	14.44	65	838	0.972	ng	#	86
48) Acenaphthylene	15.07	152	8691	1.475	ng		94
49) Dimethylphthalate	14.77	163	7719	1.423	ng	#	95
50) 2,6-Dinitrotoluene	14.90	165	1208	1.061	ng	#	57
51) Acenaphthene	15.40	154	5704	1.396	ng		91
52) 3-Nitroaniline	15.26	138	548	0.551	ng	#	25
54) Dibenzofuran	15.74	168	10146	1.678	ng	#	97
56) 2,4-Dinitrotoluene	15.68	165	1790	1.104	ng	#	74
57) Fluorene	16.38	166	8036	1.599	ng	#	79
58) 2,3,4,6-Tetrachlorophenol	15.95	232	2094	1.216	ng	#	77
59) Diethylphthalate	16.11	149	8088	1.530	ng	#	93
60) 4-Chlorophenyl-phenylether	16.36	204	5145	1.624	ng	#	66
61) 4-Nitroaniline	16.41	138	660	0.619	ng		81
62) Azobenzene	16.65	77	4349	1.377	ng		80
64) 4,6-Dinitro-2-methylphenol	16.45	198	401	0.343	ng	#	67
65) n-Nitrosodiphenylamine	16.57	169	6485	1.387	ng	#	91
66) 4-Bromophenyl-phenylether	17.25	248	3875	1.670	ng	#	91
67) Hexachlorobenzene	17.38	284	3806	1.482	ng	#	86
68) Atrazine	17.49	200	3084	1.537	ng		89
69) Pentachlorophenol	17.72	266	705	0.438	ng	#	75
70) Phenanthrene	18.11	178	15020	1.720	ng		98
71) Anthracene	18.22	178	14836	1.706	ng		95
72) Carbazole	18.47	167	12275	1.597	ng	#	89
73) Di-n-butylphthalate	18.97	149	14481	1.702	ng	#	95
74) Fluoranthene	20.08	202	20648	1.803	ng		94
76) Benzidine	20.26	184	66m	0.017	ng		
77) Pyrene	20.44	202	19849	1.673	ng		99
79) Butylbenzylphthalate	21.30	149	5540	1.480	ng	#	73
80) Benzo(a)anthracene	22.38	228	21301	1.776	ng		97
81) 3,3'-Dichlorobenzidine	22.27	252	5264	1.133	ng	#	78
82) Chrysene	22.45	228	20213	1.745	ng		95
83) Bis(2-ethylhexyl)phthalate	22.22	149	8491	1.600	ng	#	82
84) Di-n-octyl phthalate	23.58	149	13070	1.553	ng	#	94
85) Indeno(1,2,3-cd)pyrene	30.29	276	26380m	1.801	ng		
87) Benzo(b)fluoranthene	24.89	252	21156	1.612	ng	#	87
88) Benzo(k)fluoranthene	24.96	252	23121	1.779	ng	#	98
89) Benzo(a)pyrene	25.88	252	21618	1.728	ng		92
90) Dibenzo(a,h)anthracene	30.38	278	22052m	1.723	ng		
91) Benzo(g,h,i)perylene	31.64	276	22158m	1.744	ng		

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

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