Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121422\
Data File : BP013109.D
Acq On : 14 Dec 2022 17:11
Operator : CG/JU
Sample : N4955-09
Misc : MDL-MDL-WATER-4ng
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-03-QT4-2022

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022

Quant Time: Dec 15 04:06:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 15 04:03:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.958	152	460001	20.000	ng		0.00
21) Naphthalene-d8	10.775	136	1635461	20.000	ng		0.00
39) Acenaphthene-d10	14.598	164	940804	20.000	ng		0.00
64) Phenanthrene-d10	17.357	188	2019564	20.000	ng		0.00
76) Chrysene-d12	21.445	240	2013504	20.000	ng		0.00
86) Perylene-d12	23.927	264	2257399	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.511	112	2392486	95.030	ng		0.00
7) Phenol-d6	7.116	99	2980991	90.667	ng		0.00
23) Nitrobenzene-d5	9.128	82	1997427	66.956	ng		0.00
42) 2,4,6-Tribromophenol	16.092	330	1106183	97.520	ng		0.00
45) 2-Fluorobiphenyl	13.222	172	4705274	67.907	ng		0.00
79) Terphenyl-d14	19.904	244	6894223	67.551	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.375	88	39758	3.564	ng		96
3) Pyridine	3.805	79	91120	2.876	ng	#	91
4) n-Nitrosodimethylamine	3.699	42	46880	3.302	ng	#	89
6) Aniline	7.281	93	139384	3.501	ng		99
8) 2-Chlorophenol	7.516	128	94971	3.200	ng		92
9) Benzaldehyde	7.099	77	82630m	4.189	ng		
10) Phenol	7.140	94	119116	3.237	ng		90
11) bis(2-Chloroethyl)ether	7.381	93	96334	3.251	ng		98
12) 1,3-Dichlorobenzene	7.846	146	115755	3.352	ng		99
13) 1,4-Dichlorobenzene	7.993	146	118349	3.365	ng		99
14) 1,2-Dichlorobenzene	8.316	146	111145	3.330	ng		97
15) Benzyl Alcohol	8.205	79	69511	2.914	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.487	45	140415	3.272	ng		99
17) 2-Methylphenol	8.405	107	67047	2.756	ng		98
18) Hexachloroethane	9.046	117	37812	3.175	ng		96
19) n-Nitroso-di-n-propyla...	8.769	70	60058	2.813	ng		99
20) 3+4-Methylphenols	8.728	107	87847	2.656	ng		96
22) Acetophenone	8.787	105	134182	3.297	ng	#	97
24) Nitrobenzene	9.169	77	107722	3.465	ng		96
25) Isophorone	9.699	82	149306	2.947	ng		99
26) 2-Nitrophenol	9.881	139	33637	2.363	ng		95
27) 2,4-Dimethylphenol	9.940	122	67560	3.151	ng		96
28) bis(2-Chloroethoxy)met...	10.181	93	110734	3.408	ng		98
29) 2,4-Dichlorophenol	10.416	162	70059	2.648	ng		98
30) 1,2,4-Trichlorobenzene	10.634	180	99139	3.175	ng		100
31) Naphthalene	10.822	128	293756	3.280	ng		99
33) 4-Chloroaniline	10.940	127	95933	2.872	ng		97
34) Hexachlorobutadiene	11.104	225	65288	3.277	ng		96
35) Caprolactam	11.716	113	16136m	2.362	ng		
36) 4-Chloro-3-methylphenol	12.051	107	63157	2.556	ng		99
37) 2-Methylnaphthalene	12.428	142	185084	3.073	ng		98
38) 1-Methylnaphthalene	12.646	142	178346	3.041	ng		99
40) 1,2,4,5-Tetrachloroben...	12.793	216	111661	3.327	ng		98
41) Hexachlorocyclopentadiene	12.775	237	47833	2.826	ng		98
43) 2,4,6-Trichlorophenol	13.034	196	53247	2.516	ng		99
44) 2,4,5-Trichlorophenol	13.104	196	60529	2.647	ng		96

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.434	154	254920	3.427	ng		99
47)	2-Chloronaphthalene	13.481	162	193050	3.265	ng		98
48)	2-Nitroaniline	13.687	65	30773	2.104	ng		88
49)	Acenaphthylene	14.322	152	246840	2.838	ng		99
50)	Dimethylphthalate	14.051	163	215558	3.132	ng		100
51)	2,6-Dinitrotoluene	14.175	165	32698	2.322	ng	#	85
52)	Acenaphthene	14.663	154	172464	3.190	ng		99
53)	3-Nitroaniline	14.504	138	30436	2.120	ng	#	99
55)	Dibenzofuran	14.998	168	292796	3.384	ng		99
57)	2,4-Dinitrotoluene	14.963	165	37552	2.133	ng	#	85
58)	Fluorene	15.651	166	218760	3.267	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.222	232	50431m	2.580	ng		
60)	Diethylphthalate	15.416	149	193418	3.057	ng		100
61)	4-Chlorophenyl-phenyle...	15.645	204	115210	3.324	ng		97
63)	Azobenzene	15.934	77	160383	2.728	ng		97
66)	n-Nitrosodiphenylamine	15.857	169	173412	2.750	ng		99
67)	4-Bromophenyl-phenylether	16.539	248	66354	2.779	ng		97
68)	Hexachlorobenzene	16.657	284	82878	2.964	ng		98
69)	Atrazine	16.810	200	53087	3.001	ng		98
70)	Pentachlorophenol	17.004	266	33818m	2.054	ng		
71)	Phenanthrene	17.398	178	364105	3.168	ng		100
72)	Anthracene	17.492	178	311284	2.885	ng		99
73)	Carbazole	17.763	167	270362	2.859	ng		99
74)	Di-n-butylphthalate	18.304	149	251835	2.421	ng		99
75)	Fluoranthene	19.363	202	377210	3.050	ng		100
77)	Benzidine	19.539	184	95622	3.343	ng		97
78)	Pyrene	19.716	202	402198	2.780	ng		99
80)	Butylbenzylphthalate	20.580	149	100599	2.145	ng		95
81)	Benzo(a)anthracene	21.427	228	424632	3.085	ng		98
82)	3,3'-Dichlorobenzidine	21.357	252	120388	2.938	ng		98
83)	Chrysene	21.480	228	425705	3.171	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.339	149	142165	2.228	ng		99
85)	Di-n-octyl phthalate	22.292	149	222856	2.080	ng	#	95
87)	Indeno(1,2,3-cd)pyrene	26.521	276	486578	2.638	ng		99
88)	Benzo(b)fluoranthene	23.163	252	422757	2.909	ng		98
89)	Benzo(k)fluoranthene	23.216	252	437191	2.973	ng		98
90)	Benzo(a)pyrene	23.816	252	358135	2.936	ng		99
91)	Dibenzo(a,h)anthracene	26.539	278	424844	2.771	ng		100
92)	Benzo(g,h,i)perylene	27.321	276	422491	2.782	ng		97

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

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