Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011123\
Data File : BN023606.D
Acq On : 11 Jan 2023 10:58
Operator : CG/JU
Sample : N4239-01
Misc : SFAM-MDL-W-01-4NG
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2022-05

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

Quant Time: Jan 11 11:30:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 03:34:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	178268	20.000	ng/ul	0.00
20) Naphthalene-d8	10.763	136	832473	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.598	164	531343	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.345	188	1216771	20.000	ng/ul	0.00
79) Chrysene-d12	21.533	240	1248693	20.000	ng/ul	-0.01
88) Perylene-d12	23.963	264	1286895	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	17242	4.162	ng/uL	0.00
4) Pyridine-d5	3.728	84	151734	12.208	ng/ul	0.00
7) Phenol-d5	7.105	99	276113	17.476	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.269	67	180895	18.663	ng/ul	0.00
11) 2-Chlorophenol-d4	7.469	132	227008	18.761	ng/ul	0.00
15) 4-Methylphenol-d8	8.657	113	224331	17.789	ng/ul	-0.01
21) Nitrobenzene-d5	9.116	128	110855	17.659	ng/ul	0.00
24) 2-Nitrophenol-d4	9.840	143	116495	17.531	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.375	165	221386	17.466	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.899	131	338550	16.980	ng/ul	-0.01
46) Dimethylphthalate-d6	14.010	166	692095	17.510	ng/ul	0.00
49) Acenaphthylene-d8	14.292	160	798133	18.224	ng/ul	0.00
54) 4-Nitrophenol-d4	14.792	143	129625	16.109	ng/ul	-0.01
60) Fluorene-d10	15.587	176	643006	19.038	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.710	200	110678	15.078	ng/ul	0.00
73) Anthracene-d10	17.445	188	987060	18.128	ng/ul	0.00
81) Pyrene-d10	19.739	212	1216655	17.037	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.804	264	1201203	18.875	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	5386	1.232	ng/uL#	88
5) Pyridine	3.752	79	46966	3.691	ng/ul	89
6) Benzaldehyde	7.081	77	34875	5.700	ng/ul	98
8) Phenol	7.128	94	65608	4.079	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.363	93	54576	4.295	ng/ul	96
12) 2-Chlorophenol	7.505	128	53063	4.244	ng/ul	96
13) 2-Methylphenol	8.393	108	45262	3.740	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.481	45	75796	4.460	ng/ul	97
16) Acetophenone	8.775	105	83498	4.284	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.757	70	39667	4.042	ng/ul	97
18) 4-Methylphenol	8.722	108	54483	4.088	ng/ul	95
19) Hexachloroethane	9.028	117	21362	4.271	ng/ul	97
22) Nitrobenzene	9.157	77	65600	4.175	ng/ul	97
23) Isophorone	9.687	82	101391	3.568	ng/ul	99
25) 2-Nitrophenol	9.869	139	28710	3.887	ng/ul	93
26) 2,4-Dimethylphenol	9.928	107	56439	3.765	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.169	93	74318	4.032	ng/ul	99
29) 2,4-Dichlorophenol	10.404	162	51735	4.079	ng/ul	97
30) Naphthalene	10.810	128	190729	4.262	ng/ul	100
32) 4-Chloroaniline	10.922	127	79022	3.957	ng/ul	97
33) Hexachlorobutadiene	11.099	225	33886	4.320	ng/ul	99
34) Caprolactam	11.716	113	14390	3.378	ng/ul	90
35) 4-Chloro-3-methylphenol	12.046	107	51241	3.705	ng/ul	95
36) 2-Methylnaphthalene	12.422	142	125629	4.211	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.640	142	118390	3.884	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.787	216	65047	4.139	ng/ul	98
40) Hexachlorocyclopentadiene	12.769	237	33684	3.401	ng/ul	99
41) 2,4,6-Trichlorophenol	13.028	196	37218	3.593	ng/ul	99
42) 2,4,5-Trichlorophenol	13.098	196	42903	3.787	ng/ul	86
43) 1,1'-Biphenyl	13.434	154	172276	4.203	ng/ul	99
44) 2-Chloronaphthalene	13.475	162	136822	4.302	ng/ul	99
45) 2-Nitroaniline	13.681	65	29675	3.383	ng/ul	95
47) Dimethylphthalate	14.051	163	164754	4.148	ng/ul	100
48) 2,6-Dinitrotoluene	14.181	165	24799	3.303	ng/ul	96
50) Acenaphthylene	14.316	152	205129	4.212	ng/ul	100
51) 3-Nitroaniline	14.504	138	27784	3.693	ng/ul	98
52) Acenaphthene	14.663	153	148697	4.331	ng/ul	98
53) 2,4-Dinitrophenol	14.710	184	19329	3.939	ng/ul	94
55) 4-Nitrophenol	14.810	109	26198	4.032	ng/ul	97
56) Dibenzofuran	14.992	168	206972	4.331	ng/ul	99
57) 2,4-Dinitrotoluene	14.963	165	38357	3.499	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.222	232	37108	3.823	ng/ul#	94
59) Diethylphthalate	15.416	149	155875	3.918	ng/ul	99
61) Fluorene	15.645	166	168846	4.363	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.639	204	84046	4.461	ng/ul	95
63) 4-Nitroaniline	15.663	138	26671m	3.850	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.722	198	30896	4.265	ng/ul#	83
67) N-Nitrosodiphenylamine	15.851	169	139211	4.077	ng/ul	96
68) 4-Bromophenyl-phenylether	16.534	248	48136	3.947	ng/ul	92
69) Hexachlorobenzene	16.651	284	57972	4.056	ng/ul	95
70) Atrazine	16.804	200	47390	3.708	ng/ul	98
71) Pentachlorophenol	16.992	266	34056	3.734	ng/ul	97
72) Phenanthrene	17.386	178	282220	4.329	ng/ul	99
74) Anthracene	17.481	178	276142	4.256	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.398	216	62037	3.787	ng/uL	97
76) Pentachlorobenzene	14.916	250	60258	3.672	ng/uL	97
77) Carbazole	17.751	167	240630	4.084	ng/ul	98
78) Di-n-butylphthalate	18.316	149	252030	3.603	ng/ul	99
80) Fluoranthene	19.404	202	325785	3.900	ng/ul	99
82) Pyrene	19.769	202	360349	4.084	ng/ul	99
83) Butylbenzylphthalate	20.669	149	108667	3.111	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.451	252	97943	3.591	ng/ul#	96
85) Benzo(a)anthracene	21.521	228	353166	4.175	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.445	149	162025	3.195	ng/ul	98
87) Chrysene	21.574	228	335431	4.230	ng/ul	97
89) Di-n-octyl phthalate	22.374	149	258441	2.910	ng/ul	100
90) Benzo(b)fluoranthene	23.216	252	357962	4.367	ng/ul	98
91) Benzo(k)fluoranthene	23.268	252	331651	4.090	ng/ul	98
93) Benzo(a)pyrene	23.851	252	318105	4.474	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.480	276	392264	4.465	ng/ul	98
95) Dibenzo(a,h)anthracene	26.498	278	316606	4.358	ng/ul	97
96) Benzo(g,h,i)perylene	27.256	276	294366	4.207	ng/ul	96

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

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