Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011023\
Data File : BG056238.D
Acq On : 10 Jan 2023 10:52
Operator : CG/JU
Sample : N4239-02
Misc : SFAM-MDL-W-02-4PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT3-2022-06

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/11/2023
Supervised By :mohammad ahmed 01/12/2023

Quant Time: Jan 10 11:32:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	56841	20.000	ng/ul	0.00
20) Naphthalene-d8	11.167	136	224997	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.945	164	186413	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.683	188	471707	20.000	ng/ul	0.00
79) Chrysene-d12	21.972	240	473602	20.000	ng/ul	0.00
88) Perylene-d12	25.439	264	485232	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.635	96	5991	4.774	ng/uL	0.00
4) Pyridine-d5	4.070	84	54280	13.539	ng/ul	0.00
7) Phenol-d5	7.460	99	87593	17.467	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.636	67	38850	18.893	ng/ul	0.00
11) 2-Chlorophenol-d4	7.853	132	60803	18.121	ng/ul	0.00
15) 4-Methylphenol-d8	9.023	113	68244	17.079	ng/ul	0.00
21) Nitrobenzene-d5	9.510	128	31439	17.695	ng/ul	0.00
24) 2-Nitrophenol-d4	10.233	143	40576	17.463	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.773	165	79655	17.198	ng/ul	0.00
31) 4-Chloroaniline-d4	11.291	131	86756	16.645	ng/ul	0.00
46) Dimethylphthalate-d6	14.328	166	263375	17.806	ng/ul	0.00
49) Acenaphthylene-d8	14.640	160	290328	17.868	ng/ul	0.00
54) 4-Nitrophenol-d4	15.104	143	36818	15.768	ng/ul	0.00
60) Fluorene-d10	15.926	176	247464	17.912	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.032	200	50631	15.277	ng/ul	0.00
73) Anthracene-d10	17.777	188	387826	17.888	ng/ul	0.00
81) Pyrene-d10	20.045	212	484694	17.492	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.192	264	462670	18.594	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.670	88	1783m	1.274	ng/uL	
5) Pyridine	4.087	79	15030	3.830	ng/ul#	81
6) Benzaldehyde	7.460	77	9824	5.584	ng/ul	91
8) Phenol	7.489	94	21299	4.301	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.730	93	15375	4.484	ng/ul	98
12) 2-Chlorophenol	7.889	128	14283	4.329	ng/ul	96
13) 2-Methylphenol	8.758	108	15957	4.194	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.846	45	2991m	4.800	ng/ul	
16) Acetophenone	9.158	105	25047	4.074	ng/ul#	90
17) N-Nitroso-di-n-propyla...	9.128	70	10625	3.902	ng/ul#	91
18) 4-Methylphenol	9.087	108	16424	3.975	ng/ul	96
19) Hexachloroethane	9.428	117	6015	4.684	ng/ul#	77
22) Nitrobenzene	9.546	77	17320	4.293	ng/ul	93
23) Isophorone	10.063	82	33615	3.953	ng/ul	98
25) 2-Nitrophenol	10.262	139	9441	4.211	ng/ul#	91
26) 2,4-Dimethylphenol	10.303	107	17307	3.769	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.544	93	20242	4.249	ng/ul	97
29) 2,4-Dichlorophenol	10.797	162	18307	4.192	ng/ul	95
30) Naphthalene	11.214	128	49475	4.201	ng/ul#	94
32) 4-Chloroaniline	11.314	127	20764	3.899	ng/ul#	86
33) Hexachlorobutadiene	11.490	225	16828	4.492	ng/ul	91
34) Caprolactam	12.054	113	6548	4.778	ng/ul	94
35) 4-Chloro-3-methylphenol	12.401	107	16913	3.948	ng/ul	86
36) 2-Methylnaphthalene	12.795	142	39631	4.406	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	13.012	142	33730	3.646	ng/ul	97
39)	1,2,4,5-Tetrachloroben...	13.153	216	32845	4.552	ng/ul	99
40)	Hexachlorocyclopentadiene	13.130	237	15430	3.145	ng/ul	98
41)	2,4,6-Trichlorophenol	13.382	196	18516	4.041	ng/ul	94
42)	2,4,5-Trichlorophenol	13.453	196	19852	3.984	ng/ul	93
43)	1,1'-Biphenyl	13.782	154	57714	4.302	ng/ul	95
44)	2-Chloronaphthalene	13.829	162	46659	4.240	ng/ul	95
45)	2-Nitroaniline	14.023	65	7952	3.787	ng/ul#	85
47)	Dimethylphthalate	14.375	163	59936	4.100	ng/ul	97
48)	2,6-Dinitrotoluene	14.504	165	11598	3.778	ng/ul	94
50)	Acenaphthylene	14.669	152	68164	4.142	ng/ul	99
51)	3-Nitroaniline	14.839	138	10372	4.462	ng/ul	89
52)	Acenaphthene	15.004	153	46784	4.108	ng/ul	93
53)	2,4-Dinitrophenol	15.039	184	8809	4.013	ng/ul#	87
55)	4-Nitrophenol	15.121	109	7716	3.533	ng/ul	95
56)	Dibenzofuran	15.333	168	75638	4.296	ng/ul	100
57)	2,4-Dinitrotoluene	15.286	165	17953	4.105	ng/ul	97
58)	2,3,4,6-Tetrachlorophenol	15.550	232	17286	3.583	ng/ul#	90
59)	Diethylphthalate	15.726	149	55186	4.060	ng/ul	95
61)	Fluorene	15.985	166	60137	4.241	ng/ul	97
62)	4-Chlorophenyl-phenyle...	15.962	204	36772	4.148	ng/ul	98
63)	4-Nitroaniline	15.985	138	9505	4.469	ng/ul	98
66)	4,6-Dinitro-2-methylph...	16.044	198	13284	4.199	ng/ul#	92
67)	N-Nitrosodiphenylamine	16.173	169	54901	4.361	ng/ul	97
68)	4-Bromophenyl-phenylether	16.860	248	25027	4.136	ng/ul	94
69)	Hexachlorobenzene	16.984	284	25273	4.218	ng/ul	94
70)	Atrazine	17.101	200	27416	4.778	ng/ul	98
71)	Pentachlorophenol	17.325	266	13547m	3.545	ng/ul	
72)	Phenanthrene	17.718	178	104405	4.341	ng/ul	98
74)	Anthracene	17.812	178	102631	4.203	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.752	216	28147	3.959	ng/uL#	88
76)	Pentachlorobenzene	15.256	250	27466	3.776	ng/uL	99
77)	Carbazole	18.077	167	86872	4.334	ng/ul	98
78)	Di-n-butylphthalate	18.605	149	86622	4.096	ng/ul	99
80)	Fluoranthene	19.710	202	133484	4.073	ng/ul#	98
82)	Pyrene	20.068	202	135119	4.123	ng/ul	99
83)	Butylbenzylphthalate	20.932	149	38644	4.020	ng/ul	97
84)	3,3'-Dichlorobenzidine	21.855	252	52239	4.665	ng/ul	97
85)	Benzo(a)anthracene	21.954	228	136942	4.193	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.819	149	55191	3.971	ng/ul#	99
87)	Chrysene	22.025	228	127749	4.207	ng/ul	98
89)	Di-n-octyl phthalate	23.106	149	93887	4.214	ng/ul	100
90)	Benzo(b)fluoranthene	24.322	252	140538m	4.338	ng/ul	
91)	Benzo(k)fluoranthene	24.393	252	140147	4.421	ng/ul	97
93)	Benzo(a)pyrene	25.268	252	123619	4.358	ng/ul#	93
94)	Indeno(1,2,3-cd)pyrene	29.393	276	159921m	4.286	ng/ul	
95)	Dibenzo(a,h)anthracene	29.469	278	130061	4.171	ng/ul	96
96)	Benzo(g,h,i)perylene	30.644	276	127585	4.230	ng/ul	99

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

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