Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101323\
Data File : BG059442.D
Acq On : 13 Oct 2023 14:10
Operator : MA/JU
Sample : 02215-01
Misc : SFAM-MDL-WTR-01
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 14:56:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 17:05:49 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT2-2023-03

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	32037	20.000	ng/ul	0.00
20) Naphthalene-d8	11.058	136	143398	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.854	164	91057	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.609	188	222322	20.000	ng/ul	0.00
79) Chrysene-d12	21.910	240	235171	20.000	ng/ul	# 0.00
88) Perylene-d12	25.394	264	279067	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.514	96	5982	5.855	ng/uL	0.00
4) Pyridine-d5	3.943	84	62618	22.395	ng/ul	0.00
7) Phenol-d5	7.339	99	75225	21.445	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.539	67	46119	23.069	ng/ul	0.00
11) 2-Chlorophenol-d4	7.733	132	56563	22.662	ng/ul	0.00
15) 4-Methylphenol-d8	8.908	113	55438	20.727	ng/ul	0.00
21) Nitrobenzene-d5	9.419	128	27620	23.323	ng/ul	0.00
24) 2-Nitrophenol-d4	10.130	143	29421	25.450	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.659	165	52393	21.809	ng/ul	0.00
31) 4-Chloroaniline-d4	11.205	131	79927	20.964	ng/ul	0.00
46) Dimethylphthalate-d6	14.249	166	182344	23.636	ng/ul	0.00
49) Acenaphthylene-d8	14.560	160	213883	22.993	ng/ul	0.00
54) 4-Nitrophenol-d4	15.048	143	27642	20.743	ng/ul	0.00
60) Fluorene-d10	15.847	176	166591	22.941	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.953	200	27153	19.988	ng/ul	0.00
73) Anthracene-d10	17.703	188	267962	23.443	ng/ul	0.00
81) Pyrene-d10	19.983	212	326308	22.845	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.142	264	345120	22.589	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.549	88	1276m	1.004	ng/uL	
5) Pyridine	3.967	79	10230	3.704	ng/ul	86
6) Benzaldehyde	7.363	77	7786	5.049	ng/ul#	79
8) Phenol	7.368	94	11667	3.338	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.627	93	10132	3.698	ng/ul	94
12) 2-Chlorophenol	7.768	128	9336	3.644	ng/ul	92
13) 2-Methylphenol	8.649	108	8128	3.172	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.737	45	20095m	3.503	ng/ul	
16) Acetophenone	9.061	105	14170	3.530	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.020	70	6520	3.542	ng/ul	88
18) 4-Methylphenol	8.978	108	9670	3.482	ng/ul	92
19) Hexachloroethane	9.302	117	3497	3.545	ng/ul#	79
22) Nitrobenzene	9.460	77	9915	3.752	ng/ul#	86
23) Isophorone	9.965	82	19879	3.542	ng/ul#	95
25) 2-Nitrophenol	10.165	139	5411	4.279	ng/ul#	67
26) 2,4-Dimethylphenol	10.195	107	10042	3.793	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.447	93	11899	3.319	ng/ul#	78
29) 2,4-Dichlorophenol	10.694	162	8670m	3.745	ng/ul	
30) Naphthalene	11.111	128	33168	3.843	ng/ul#	90
32) 4-Chloroaniline	11.235	127	14118	3.944	ng/ul	92
33) Hexachlorobutadiene	11.334	225	5714	3.731	ng/ul	94
34) Caprolactam	12.010	113	3068m	3.752	ng/ul	
35) 4-Chloro-3-methylphenol	12.316	107	8196	3.465	ng/ul#	78
36) 2-Methylnaphthalene	12.698	142	20070	3.604	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.921	142	21430	3.779	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	13.044	216	10749	3.655	ng/ul#	86
40) Hexachlorocyclopentadiene	12.997	237	9335	5.489	ng/ul#	76
41) 2,4,6-Trichlorophenol	13.291	196	6354	3.516	ng/ul	91
42) 2,4,5-Trichlorophenol	13.361	196	6891	3.464	ng/ul	90
43) 1,1'-Biphenyl	13.691	154	29567	3.630	ng/ul	92
44) 2-Chloronaphthalene	13.743	162	21766	3.493	ng/ul	95
45) 2-Nitroaniline	13.955	65	5224m	3.156	ng/ul	
47) Dimethylphthalate	14.296	163	30804	3.984	ng/ul#	98
48) 2,6-Dinitrotoluene	14.443	165	4514	3.170	ng/ul	94
50) Acenaphthylene	14.589	152	37676	3.833	ng/ul	98
51) 3-Nitroaniline	14.783	138	4856m	3.217	ng/ul	
52) Acenaphthene	14.918	153	25594	3.805	ng/ul	95
53) 2,4-Dinitrophenol	14.983	184	4769	6.329	ng/ul#	82
55) 4-Nitrophenol	15.059	109	3133	3.343	ng/ul#	76
56) Dibenzofuran	15.253	168	34212	3.761	ng/ul	93
57) 2,4-Dinitrotoluene	15.224	165	7865	3.927	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.465	232	6863	3.862	ng/ul#	90
59) Diethylphthalate	15.641	149	28493	3.813	ng/ul#	90
61) Fluorene	15.900	166	28957	3.795	ng/ul#	79
62) 4-Chlorophenyl-phenyle...	15.882	204	14166	3.698	ng/ul	96
63) 4-Nitroaniline	15.941	138	5928	4.057	ng/ul#	77
66) 4,6-Dinitro-2-methylph...	15.976	198	4980	3.428	ng/ul#	94
67) N-Nitrosodiphenylamine	16.099	169	25418	3.911	ng/ul	87
68) 4-Bromophenyl-phenylether	16.781	248	9190	3.771	ng/ul	97
69) Hexachlorobenzene	16.875	284	10356	3.707	ng/ul	96
70) Atrazine	17.034	200	9713	3.787	ng/ul#	91
71) Pentachlorophenol	17.233	266	8011	5.059	ng/ul#	84
72) Phenanthrene	17.651	178	52018	3.763	ng/ul	97
74) Anthracene	17.739	178	54916	3.854	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.649	216	11445	3.574	ng/uL	94
76) Pentachlorobenzene	15.148	250	12192	3.936	ng/uL	86
77) Carbazole	18.021	167	42691	3.481	ng/ul	96
78) Di-n-butylphthalate	18.526	149	50775	3.638	ng/ul	97
80) Fluoranthene	19.642	202	62021	3.575	ng/ul#	95
82) Pyrene	20.012	202	67909	3.683	ng/ul	97
83) Butylbenzylphthalate	20.864	149	19441	3.122	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.805	252	21373	3.506	ng/ul	99
85) Benzo(a)anthracene	21.887	228	69079	3.723	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.716	149	30406	3.386	ng/ul#	99
87) Chrysene	21.957	228	62030	3.548	ng/ul	93
89) Di-n-octyl phthalate	23.003	149	52339	3.169	ng/ul	100
90) Benzo(b)fluoranthene	24.260	252	65713m	3.467	ng/ul	
91) Benzo(k)fluoranthene	24.337	252	69365m	3.570	ng/ul	
93) Benzo(a)pyrene	25.218	252	66388	3.653	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	29.378	276	69671m	3.408	ng/ul	
95) Dibenzo(a,h)anthracene	29.478	278	56918m	3.369	ng/ul	
96) Benzo(g,h,i)perylene	30.688	276	58185m	3.506	ng/ul	

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

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