Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082021\
Data File : BG049907.D
Acq On : 20 Aug 2021 12:01
Operator : CG/JU
Sample : M2250-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT3-2021-06

Manual Integrations APPROVED
mohammad
8/23/2021 12:25:45 PM

Quant Time: Aug 20 12:36:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 20 10:07:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	27988	20.000	ng/ul	0.00
20) Naphthalene-d8	10.803	136	111456	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.639	164	77789	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.389	188	179186	20.000	ng/ul	0.00
79) Chrysene-d12	21.665	240	183358	20.000	ng/ul	0.00
88) Perylene-d12	24.896	264	173523	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	2884m	5.314	ng/uL	0.00
4) Pyridine-d5	3.772	84	27197	16.636	ng/ul	0.00
7) Phenol-d5	7.149	99	50086	21.074	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.302	67	30320	22.963	ng/ul	0.00
11) 2-Chlorophenol-d4	7.514	132	38205	21.484	ng/ul	0.00
15) 4-Methylphenol-d8	8.700	113	39808	21.268	ng/ul	0.00
21) Nitrobenzene-d5	9.153	128	20464	23.683	ng/ul	0.00
24) 2-Nitrophenol-d4	9.887	143	23336	22.680	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.427	165	39597	21.577	ng/ul	0.00
31) 4-Chloroaniline-d4	10.944	131	52909	21.182	ng/ul	0.00
46) Dimethylphthalate-d6	14.040	166	140522	23.604	ng/ul	0.00
49) Acenaphthylene-d8	14.334	160	153788	22.032	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	18416	21.381	ng/ul	0.00
60) Fluorene-d10	15.632	176	117663	23.311	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.761	200	22487	19.507	ng/ul	0.00
73) Anthracene-d10	17.488	188	186786	23.214	ng/ul	0.00
81) Pyrene-d10	19.779	212	216282	21.828	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.673	264	225708	24.518	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.378	88	909m	1.374	ng/uL	
5) Pyridine	3.801	79	6309m	3.571	ng/ul	
6) Benzaldehyde	7.114	77	6316	4.618	ng/ul	89
8) Phenol	7.173	94	8208	3.419	ng/ul#	85
10) Bis(2-Chloroethyl)ether	7.396	93	6078	3.668	ng/ul#	88
12) 2-Chlorophenol	7.549	128	6262	3.564	ng/ul#	86
13) 2-Methylphenol	8.430	108	6632	3.581	ng/ul	82
14) 2,2'-oxybis(1-Chloropr...	8.518	45	6562	3.776	ng/ul#	90
16) Acetophenone	8.812	105	10470	3.430	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.800	70	6073	3.962	ng/ul#	87
18) 4-Methylphenol	8.771	108	6155	3.089	ng/ul#	75
19) Hexachloroethane	9.065	117	2963	3.853	ng/ul#	84
22) Nitrobenzene	9.194	77	8891	3.797	ng/ul#	80
23) Isophorone	9.717	82	14833	3.556	ng/ul#	92
25) 2-Nitrophenol	9.910	139	3755	3.754	ng/ul	90
26) 2,4-Dimethylphenol	9.975	107	8068	3.629	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.204	93	7707	3.578	ng/ul	92
29) 2,4-Dichlorophenol	10.463	162	6620	3.930	ng/ul#	85
30) Naphthalene	10.856	128	20459	3.672	ng/ul#	94
32) 4-Chloroaniline	10.962	127	8796	3.656	ng/ul#	84
33) Hexachlorobutadiene	11.132	225	4880	3.581	ng/ul	92
34) Caprolactam	11.743	113	1815m	3.076	ng/ul	
35) 4-Chloro-3-methylphenol	12.102	107	7262	3.607	ng/ul	91
36) 2-Methylnaphthalene	12.466	142	16197	3.911	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.683	142	16177	3.870	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.836	216	9196	4.025	ng/ul#	90
40) Hexachlorocyclopentadiene	12.807	237	3675	3.594	ng/ul#	79
41) 2,4,6-Trichlorophenol	13.077	196	4544	3.121	ng/ul	95
42) 2,4,5-Trichlorophenol	13.165	196	5359	3.512	ng/ul	99
43) 1,1'-Biphenyl	13.470	154	20302	3.736	ng/ul#	96
44) 2-Chloronaphthalene	13.517	162	15820	3.624	ng/ul	96
45) 2-Nitroaniline	13.729	65	5708	3.851	ng/ul	87
47) Dimethylphthalate	14.087	163	22826	3.874	ng/ul#	98
48) 2,6-Dinitrotoluene	14.216	165	4521	3.717	ng/ul	99
50) Acenaphthylene	14.363	152	25710	4.030	ng/ul	99
51) 3-Nitroaniline	14.551	138	4542	3.870	ng/ul#	96
52) Acenaphthene	14.704	153	17740	3.833	ng/ul	96
53) 2,4-Dinitrophenol	14.780	184	2396	3.857	ng/ul	88
55) 4-Nitrophenol	14.868	109	4268m	3.908	ng/ul	
56) Dibenzofuran	15.039	168	24655	3.847	ng/ul	99
57) 2,4-Dinitrotoluene	15.009	165	6267	3.582	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.280	232	4322	3.418	ng/ul#	94
59) Diethylphthalate	15.450	149	21556	3.576	ng/ul	98
61) Fluorene	15.691	166	21116	3.905	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.679	204	10889	3.806	ng/ul	97
63) 4-Nitroaniline	15.708	138	4600	3.927	ng/ul#	89
66) 4,6-Dinitro-2-methylph...	15.779	198	3266m	3.126	ng/ul	
67) N-Nitrosodiphenylamine	15.891	169	17495	3.709	ng/ul	97
68) 4-Bromophenyl-phenylether	16.572	248	7520	3.794	ng/ul#	86
69) Hexachlorobenzene	16.695	284	8205	3.585	ng/ul#	94
70) Atrazine	16.836	200	8400	4.008	ng/ul	97
71) Pentachlorophenol	17.054	266	3205m	3.307	ng/ul	
72) Phenanthrene	17.436	178	34919	3.909	ng/ul	96
74) Anthracene	17.524	178	35167	3.885	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.441	216	9257	3.851	ng/uL#	82
76) Pentachlorobenzene	14.962	250	9390	3.686	ng/uL	91
77) Carbazole	17.794	167	30310	3.763	ng/ul	96
78) Di-n-butylphthalate	18.346	149	38401	3.728	ng/ul	97
80) Fluoranthene	19.450	202	42531	3.478	ng/ul#	96
82) Pyrene	19.809	202	44774	3.695	ng/ul	97
83) Butylbenzylphthalate	20.684	149	16808	3.515	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.559	252	14691	3.380	ng/ul#	93
85) Benzo(a)anthracene	21.642	228	41789	3.658	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.536	149	23883	3.637	ng/ul	98
87) Chrysene	21.712	228	40655	3.764	ng/ul	94
89) Di-n-octyl phthalate	22.746	149	39124	3.801	ng/ul	100
90) Benzo(b)fluoranthene	23.862	252	42867	3.862	ng/ul	97
91) Benzo(k)fluoranthene	23.927	252	39467	3.741	ng/ul#	97
93) Benzo(a)pyrene	24.737	252	36350	3.771	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.591	276	46122m	3.627	ng/ul	
95) Dibenzo(a,h)anthracene	28.638	278	38662m	3.632	ng/ul	
96) Benzo(g,h,i)perylene	29.742	276	37429m	3.501	ng/ul	

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

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