Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020421\
Data File : BG048113.D
Acq On : 4 Feb 2021 13:22
Operator : CG/JU
Sample : L5214-02
Misc : SFAM-MDL-W-02
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-WATER-QT1-2021-02

Manual Integrations APPROVED
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2/8/2021 12:15:41 PM

Quant Time: Feb 04 14:02:46 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 04 12:55:42 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	48162	20.00	ng/ul	0.00
20) Naphthalene-d8	10.92	136	180464	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.74	164	130620	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.47	188	334679	20.00	ng/ul	0.00
79) Chrysene-d12	21.75	240	379746	20.00	ng/ul	0.00
88) Perylene-d12	25.02	264	381971	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.52	96	4405	3.44	ng/uL	0.00
4) Pyridine-d5	3.94	84	72280	19.33	ng/ul	0.00
7) Phenol-d5	7.26	99	157048	34.97	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.43	67	99184	36.66	ng/ul	0.00
11) 2-Chlorophenol-d4	7.64	132	113565	34.75	ng/ul	0.00
15) 4-Methylphenol-d8	8.80	113	124673	35.17	ng/ul	0.00
21) Nitrobenzene-d5	9.27	128	57049	37.59	ng/ul	0.00
24) 2-Nitrophenol-d4	9.99	143	68086	36.51	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.54	165	126600	35.88	ng/ul	0.00
31) 4-Chloroaniline-d4	11.05	131	156507	34.63	ng/ul	0.00
46) Dimethylphthalate-d6	14.13	166	409889	37.57	ng/ul	0.00
49) Acenaphthylene-d8	14.43	160	482500	38.43	ng/ul	0.00
54) 4-Nitrophenol-d4	14.91	143	70194	35.88	ng/ul	0.00
60) Fluorene-d10	15.72	176	356029	36.41	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.83	200	82231	34.35	ng/ul	0.00
73) Anthracene-d10	17.57	188	588032	36.39	ng/ul	0.00
81) Pyrene-d10	19.85	212	742483	35.07	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.79	264	729776	34.95	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.55	88	2236	1.550	ng/uL#	84
5) Pyridine	3.95	79	16678	4.353	ng/ul#	77
6) Benzaldehyde	7.25	77	11033	5.064	ng/ul	90
8) Phenol	7.29	94	17674	3.882	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.52	93	15357	4.402	ng/ul#	84
12) 2-Chlorophenol	7.67	128	13109	4.076	ng/ul#	86
13) 2-Methylphenol	8.54	108	13401	4.080	ng/ul#	77
14) 2,2'-oxybis(1-Chloropropan	8.63	45	18349	4.058	ng/ul#	94
16) Acetophenone	8.93	105	23487	4.173	ng/ul	97
17) N-Nitroso-di-n-propylamine	8.91	70	12910	4.007	ng/ul#	96
18) 4-Methylphenol	8.87	108	14757	4.105	ng/ul	98
19) Hexachloroethane	9.21	117	6206	4.172	ng/ul	88
22) Nitrobenzene	9.31	77	19549	4.299	ng/ul	98
23) Isophorone	9.84	82	34095	4.116	ng/ul#	96
25) 2-Nitrophenol	10.02	139	7731	4.124	ng/ul#	79
26) 2,4-Dimethylphenol	10.08	107	17432	4.447	ng/ul	94
27) Bis(2-Chloroethoxy)methane	10.32	93	19188	4.102	ng/ul	97
29) 2,4-Dichlorophenol	10.56	162	14356	4.265	ng/ul#	85
30) Naphthalene	10.97	128	43301	4.256	ng/ul	96
32) 4-Chloroaniline	11.08	127	18335	4.240	ng/ul	100
33) Hexachlorobutadiene	11.26	225	12242	4.257	ng/ul	92
34) Caprolactam	11.85	113	5385	4.598	ng/ul	89

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.18	107	14769	3.956 ng/ul	90
36) 2-Methylnaphthalene	12.57	142	31878	4.231 ng/ul	96
37) 1-Methylnaphthalene	12.79	142	31352	4.390 ng/ul	92
39) 1,2,4,5-Tetrachlorobenzene	12.93	216	23894	4.668 ng/ul	98
40) Hexachlorocyclopentadiene	12.91	237	18306	5.466 ng/ul	94
41) 2,4,6-Trichlorophenol	13.16	196	13589	4.081 ng/ul	96
42) 2,4,5-Trichlorophenol	13.24	196	15614	4.399 ng/ul	98
43) 1,1'-Biphenyl	13.57	154	46253	4.634 ng/ul	99
44) 2-Chloronaphthalene	13.61	162	36285	4.342 ng/ul	94
45) 2-Nitroaniline	13.81	65	11536	4.134 ng/ul	98
47) Dimethylphthalate	14.18	163	49884	4.449 ng/ul	98
48) 2,6-Dinitrotoluene	14.30	165	9800	4.131 ng/ul	95
50) Acenaphthylene	14.45	152	50781	4.191 ng/ul	99
51) 3-Nitroaniline	14.62	138	8175	4.570 ng/ul	92
52) Acenaphthene	14.79	153	37988	4.323 ng/ul	93
53) 2,4-Dinitrophenol	14.84	184	6385	4.031 ng/ul	91
55) 4-Nitrophenol	14.92	109	9207	4.492 ng/ul	89
56) Dibenzofuran	15.13	168	57069	4.506 ng/ul	97
57) 2,4-Dinitrotoluene	15.08	165	14118	4.212 ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.35	232	14298	4.161 ng/ul#	99
59) Diethylphthalate	15.54	149	50517	4.440 ng/ul#	91
61) Fluorene	15.78	166	45617	4.436 ng/ul	95
62) 4-Chlorophenyl-phenylether	15.77	204	25397	4.059 ng/ul	95
63) 4-Nitroaniline	15.79	138	7572	4.340 ng/ul	95
66) 4,6-Dinitro-2-methylphenol	15.84	198	10762	4.306 ng/ul#	72
67) N-Nitrosodiphenylamine	15.98	169	40707	4.209 ng/ul	96
68) 4-Bromophenyl-phenylether	16.66	248	18198	4.098 ng/ul	86
69) Hexachlorobenzene	16.78	284	18896	4.059 ng/ul	93
70) Atrazine	16.92	200	18785	4.335 ng/ul	99
71) Pentachlorophenol	17.12	266	10816m	3.822 ng/ul	
72) Phenanthrene	17.52	178	83153	4.428 ng/ul	97
74) Anthracene	17.61	178	80227	4.203 ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.54	216	23200	4.286 ng/uL	95
76) Pentachlorobenzene	15.05	250	22577	4.112 ng/uL	97
77) Carbazole	17.87	167	74375	4.752 ng/ul	99
78) Di-n-butylphthalate	18.43	149	87535	4.397 ng/ul	97
80) Fluoranthene	19.52	202	114281	4.238 ng/ul	99
82) Pyrene	19.88	202	112874	4.276 ng/ul	99
83) Butylbenzylphthalate	20.76	149	39213	4.072 ng/ul	96
84) 3,3'-Dichlorobenzidine	21.63	252	36109	4.049 ng/ul	91
85) Benzo(a)anthracene	21.72	228	116632	4.404 ng/ul	98
86) Bis(2-ethylhexyl)phthalate	21.63	149	57838	4.209 ng/ul#	98
87) Chrysene	21.79	228	112925	4.420 ng/ul	98
89) Di-n-octyl phthalate	22.86	149	95894	4.455 ng/ul	100
90) Benzo(b)fluoranthene	23.97	252	113969	4.440 ng/ul	97
91) Benzo(k)fluoranthene	24.04	252	107036	4.270 ng/ul	98
93) Benzo(a)pyrene	24.86	252	99576	4.253 ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.73	276	126663m	4.364 ng/ul	
95) Dibenzo(a,h)anthracene	28.81	278	107739m	4.478 ng/ul	
96) Benzo(g,h,i)perylene	29.89	276	106192	4.386 ng/ul	98

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

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