Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031224\
Data File : BG060614.D
Acq On : 12 Mar 2024 9:59
Operator : MA/JU
Sample : P1601-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 01:08:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 15:23:41 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT1-2024-02

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024
Supervised By :mohammad ahmed 03/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.327	152	90089	20.000	ng/ul	0.00
20) Naphthalene-d8	11.170	136	426434	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.948	164	285792	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.698	188	643991	20.000	ng/ul	0.00
79) Chrysene-d12	22.022	240	577427	20.000	ng/ul	0.00
88) Perylene-d12	25.583	264	649739	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.615	96	11299m	4.735	ng/uL	0.00
4) Pyridine-d5	4.043	84	173097	23.182	ng/ul	0.00
7) Phenol-d5	7.434	99	194226	20.922	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.639	67	128049	21.277	ng/ul	0.00
11) 2-Chlorophenol-d4	7.839	132	139968	21.564	ng/ul	0.00
15) 4-Methylphenol-d8	9.002	113	150336	20.856	ng/ul	0.00
21) Nitrobenzene-d5	9.519	128	66007	24.275	ng/ul	0.00
24) 2-Nitrophenol-d4	10.242	143	62271	23.231	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.765	165	147660	21.398	ng/ul	0.00
31) 4-Chloroaniline-d4	11.311	131	222079	20.703	ng/ul	0.00
46) Dimethylphthalate-d6	14.349	166	487638	21.522	ng/ul	0.00
49) Acenaphthylene-d8	14.655	160	587514	22.146	ng/ul	0.00
54) 4-Nitrophenol-d4	15.113	143	70707	20.706	ng/ul	0.00
60) Fluorene-d10	15.935	176	438259	22.012	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.041	200	43972	16.822	ng/ul	0.00
73) Anthracene-d10	17.798	188	637729	20.150	ng/ul	0.00
81) Pyrene-d10	20.066	212	756747	21.752	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.330	264	756546	22.503	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.650	88	3224m	1.274	ng/uL	
5) Pyridine	4.073	79	33947	4.482	ng/ul	89
6) Benzaldehyde	7.469	77	26710	6.071	ng/ul	89
8) Phenol	7.463	94	43588	4.640	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.733	93	36221	4.855	ng/ul	89
12) 2-Chlorophenol	7.868	128	31085	4.574	ng/ul#	85
13) 2-Methylphenol	8.744	108	32027	4.376	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.838	45	70068	4.644	ng/ul#	92
16) Acetophenone	9.167	105	58624	4.766	ng/ul	97
17) N-Nitroso-di-n-propyla...	9.132	70	28629	4.747	ng/ul	98
18) 4-Methylphenol	9.067	108	37175	4.665	ng/ul	95
19) Hexachloroethane	9.414	117	13936	5.235	ng/ul	88
22) Nitrobenzene	9.561	77	40463	5.326	ng/ul	94
23) Isophorone	10.072	82	87142	4.828	ng/ul	99
25) 2-Nitrophenol	10.271	139	15070	4.882	ng/ul	95
26) 2,4-Dimethylphenol	10.289	107	26899	3.209	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.554	93	48241	4.596	ng/ul	97
29) 2,4-Dichlorophenol	10.789	162	34237	4.967	ng/ul	94
30) Naphthalene	11.223	128	126053	5.000	ng/ul	99
32) 4-Chloroaniline	11.335	127	49244	4.704	ng/ul	99
33) Hexachlorobutadiene	11.452	225	23811	4.669	ng/ul	97
34) Caprolactam	12.111	113	12445m	5.273	ng/ul	
35) 4-Chloro-3-methylphenol	12.398	107	37833	4.574	ng/ul	97
36) 2-Methylnaphthalene	12.798	142	81841	4.941	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.021	142	83793	5.050	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.145	216	46213	4.913	ng/ul	88
40) Hexachlorocyclopentadiene	13.098	237	24678	4.308	ng/ul	88
41) 2,4,6-Trichlorophenol	13.380	196	25840	4.412	ng/ul	98
42) 2,4,5-Trichlorophenol	13.444	196	28508	4.563	ng/ul	92
43) 1,1'-Biphenyl	13.791	154	112550	4.905	ng/ul	99
44) 2-Chloronaphthalene	13.844	162	89990	4.942	ng/ul	98
45) 2-Nitroaniline	14.049	65	23062	4.636	ng/ul	90
47) Dimethylphthalate	14.390	163	113965	4.942	ng/ul	96
48) 2,6-Dinitrotoluene	14.537	165	14605	4.408	ng/ul#	92
50) Acenaphthylene	14.684	152	149288	4.923	ng/ul	98
51) 3-Nitroaniline	14.866	138	17261	4.421	ng/ul	95
52) Acenaphthene	15.013	153	99285	4.933	ng/ul	99
53) 2,4-Dinitrophenol	15.060	184	6977	4.140	ng/ul#	77
55) 4-Nitrophenol	15.125	109	16438	4.984	ng/ul	93
56) Dibenzofuran	15.348	168	132987	4.922	ng/ul	95
57) 2,4-Dinitrotoluene	15.307	165	21215	4.712	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.548	232	23657	4.445	ng/ul	96
59) Diethylphthalate	15.736	149	115376	4.905	ng/ul	97
61) Fluorene	15.994	166	113737	5.082	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.977	204	58666	5.234	ng/ul	91
63) 4-Nitroaniline	16.029	138	18348m	4.718	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.053	198	13164	4.560	ng/ul#	87
67) N-Nitrosodiphenylamine	16.194	169	98155	4.771	ng/ul	98
68) 4-Bromophenyl-phenylether	16.875	248	33396	4.511	ng/ul	88
69) Hexachlorobenzene	16.964	284	41954	4.740	ng/ul	97
70) Atrazine	17.128	200	38203	5.480	ng/ul	97
71) Pentachlorophenol	17.316	266	21930m	4.497	ng/ul	
72) Phenanthrene	17.739	178	177705	4.809	ng/ul	99
74) Anthracene	17.833	178	175421	4.661	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.750	216	44239	4.599	ng/uL	98
76) Pentachlorobenzene	15.242	250	48017	4.849	ng/uL	100
77) Carbazole	18.103	167	151242	4.686	ng/ul	100
78) Di-n-butylphthalate	18.621	149	182004	4.616	ng/ul	98
80) Fluoranthene	19.731	202	200043	4.845	ng/ul	99
82) Pyrene	20.095	202	216785	5.014	ng/ul	97
83) Butylbenzylphthalate	20.959	149	69878	4.394	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.911	252	72210	5.468	ng/ul	99
85) Benzo(a)anthracene	21.999	228	203438	4.744	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.846	149	105604	4.469	ng/ul#	99
87) Chrysene	22.069	228	198442	4.861	ng/ul	97
89) Di-n-octyl phthalate	23.174	149	168775	4.178	ng/ul	100
90) Benzo(b)fluoranthene	24.425	252	181550	4.597	ng/ul	97
91) Benzo(k)fluoranthene	24.502	252	193765	4.700	ng/ul	98
93) Benzo(a)pyrene	25.407	252	177588	4.636	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.684	276	217201m	4.590	ng/ul	
95) Dibenzo(a,h)anthracene	29.790	278	183825m	4.754	ng/ul	
96) Benzo(g,h,i)perylene	31.000	276	179269	4.719	ng/ul#	94

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

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