

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010623\
 Data File : BG056220.D
 Acq On : 6 Jan 2023 10:56
 Operator : CG/JU
 Sample : N5388-02
 Misc : SFAM-MDL-W-02-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT4-2022-08

Quant Time: Jan 06 15:47:32 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	53349	20.000	ng/ul	0.00
20) Naphthalene-d8	11.166	136	212684	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.944	164	178181	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.676	188	453632	20.000	ng/ul	0.00
79) Chrysene-d12	21.971	240	438271	20.000	ng/ul	0.00
88) Perylene-d12	25.426	264	455591	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.634	96	4738	4.022	ng/uL	0.00
4) Pyridine-d5	4.069	84	43225	11.488	ng/ul	0.00
7) Phenol-d5	7.459	99	74434	15.815	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.635	67	32671	16.928	ng/ul	0.00
11) 2-Chlorophenol-d4	7.859	132	51837	16.460	ng/ul	0.00
15) 4-Methylphenol-d8	9.022	113	58768	15.670	ng/ul	0.00
21) Nitrobenzene-d5	9.504	128	27686	16.485	ng/ul	0.00
24) 2-Nitrophenol-d4	10.232	143	35861	16.327	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.767	165	67512	15.420	ng/ul	0.00
31) 4-Chloroaniline-d4	11.284	131	74617	15.145	ng/ul	0.00
46) Dimethylphthalate-d6	14.327	166	230424	16.298	ng/ul	0.00
49) Acenaphthylene-d8	14.639	160	244968	15.773	ng/ul	0.00
54) 4-Nitrophenol-d4	15.103	143	31493	14.111	ng/ul	0.00
60) Fluorene-d10	15.926	176	212190	16.068	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.031	200	42796	13.427	ng/ul	0.00
73) Anthracene-d10	17.776	188	337408	16.183	ng/ul	0.00
81) Pyrene-d10	20.044	212	411111	16.033	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.191	264	391156	16.742	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.669	88	1976m	1.505	ng/uL	
5) Pyridine	4.092	79	12142m	3.296	ng/ul	
6) Benzaldehyde	7.453	77	8123	4.919	ng/ul	93
8) Phenol	7.488	94	18888	4.064	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.735	93	13294	4.131	ng/ul#	92
12) 2-Chlorophenol	7.888	128	13238	4.275	ng/ul	94
13) 2-Methylphenol	8.763	108	14082	3.944	ng/ul	84
14) 2,2'-oxybis(1-Chloropr...	8.846	45	2470m	4.223	ng/ul	
16) Acetophenone	9.157	105	25186	4.365	ng/ul	99
17) N-Nitroso-di-n-propyla...	9.128	70	10759	4.209	ng/ul#	87
18) 4-Methylphenol	9.086	108	16413	4.232	ng/ul	91
19) Hexachloroethane	9.433	117	5369	4.455	ng/ul#	77
22) Nitrobenzene	9.551	77	16498	4.326	ng/ul	95
23) Isophorone	10.068	82	31899	3.968	ng/ul	100
25) 2-Nitrophenol	10.262	139	9184	4.333	ng/ul	94
26) 2,4-Dimethylphenol	10.303	107	17201	3.963	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.544	93	19712	4.377	ng/ul	99
29) 2,4-Dichlorophenol	10.796	162	17011	4.121	ng/ul#	86
30) Naphthalene	11.219	128	47153	4.236	ng/ul	98
32) 4-Chloroaniline	11.307	127	19489	3.872	ng/ul	91
33) Hexachlorobutadiene	11.495	225	15919	4.496	ng/ul	99
34) Caprolactam	12.054	113	5927	4.575	ng/ul#	88
35) 4-Chloro-3-methylphenol	12.400	107	15846	3.913	ng/ul	95
36) 2-Methylnaphthalene	12.794	142	35440	4.168	ng/ul	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.011	142	27940	3.195	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.152	216	30264	4.388	ng/ul	97
40) Hexachlorocyclopentadiene	13.135	237	12870	2.745	ng/ul	97
41) 2,4,6-Trichlorophenol	13.381	196	18102	4.133	ng/ul	95
42) 2,4,5-Trichlorophenol	13.452	196	18633	3.912	ng/ul	92
43) 1,1'-Biphenyl	13.781	154	56450	4.402	ng/ul	95
44) 2-Chloronaphthalene	13.828	162	46562	4.427	ng/ul	99
45) 2-Nitroaniline	14.022	65	7894	3.933	ng/ul	97
47) Dimethylphthalate	14.374	163	59219	4.238	ng/ul	96
48) 2,6-Dinitrotoluene	14.504	165	11896	4.055	ng/ul	96
50) Acenaphthylene	14.668	152	65080	4.137	ng/ul	95
51) 3-Nitroaniline	14.833	138	10528	4.738	ng/ul#	95
52) Acenaphthene	15.003	153	46214	4.245	ng/ul	97
53) 2,4-Dinitrophenol	15.038	184	9695	4.621	ng/ul	92
55) 4-Nitrophenol	15.121	109	7247	3.471	ng/ul	98
56) Dibenzofuran	15.338	168	73434	4.364	ng/ul	96
57) 2,4-Dinitrotoluene	15.285	165	16827	4.025	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.555	232	17580	3.812	ng/ul	96
59) Diethylphthalate	15.726	149	53604	4.126	ng/ul	99
61) Fluorene	15.978	166	57681	4.256	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.961	204	37120	4.381	ng/ul	98
63) 4-Nitroaniline	15.990	138	9482	4.664	ng/ul	87
66) 4,6-Dinitro-2-methylph...	16.043	198	12827	4.216	ng/ul#	94
67) N-Nitrosodiphenylamine	16.172	169	51356	4.242	ng/ul	96
68) 4-Bromophenyl-phenylether	16.854	248	25011	4.298	ng/ul	98
69) Hexachlorobenzene	16.983	284	25385	4.406	ng/ul	96
70) Atrazine	17.107	200	32811	5.946	ng/ul	97
71) Pentachlorophenol	17.318	266	13298m	3.619	ng/ul	
72) Phenanthrene	17.718	178	99415	4.298	ng/ul	98
74) Anthracene	17.812	178	96038	4.090	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.752	216	24867	3.637	ng/uL	95
76) Pentachlorobenzene	15.256	250	23276	3.327	ng/uL#	87
77) Carbazole	18.070	167	82751	4.293	ng/ul	99
78) Di-n-butylphthalate	18.605	149	84359	4.148	ng/ul	99
80) Fluoranthene	19.709	202	124757	4.114	ng/ul	98
82) Pyrene	20.068	202	127303	4.197	ng/ul	100
83) Butylbenzylphthalate	20.926	149	33797	3.800	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.854	252	55934	5.397	ng/ul	99
85) Benzo(a)anthracene	21.954	228	126532	4.187	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.819	149	53063	4.126	ng/ul	99
87) Chrysene	22.024	228	118150	4.204	ng/ul	98
89) Di-n-octyl phthalate	23.105	149	88411	4.227	ng/ul	100
90) Benzo(b)fluoranthene	24.322	252	131882	4.336	ng/ul	98
91) Benzo(k)fluoranthene	24.392	252	126133	4.238	ng/ul	99
93) Benzo(a)pyrene	25.262	252	115948	4.354	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.380	276	149028m	4.254	ng/ul	
95) Dibenzo(a,h)anthracene	29.457	278	126298	4.314	ng/ul	100
96) Benzo(g,h,i)perylene	30.644	276	119851	4.232	ng/ul	98

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

