

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022423\
 Data File : BG056718.D
 Acq On : 24 Feb 2023 11:40
 Operator : CG/JU
 Sample : 01378-01
 Misc : SFAM-MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 24 12:36:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 23 15:40:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/27/2023
 Supervised By :Jagrut Upadhyay 02/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.423	152	16037	20.000	ng/ul	0.00
20) Naphthalene-d8	11.260	136	72349	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.027	164	58311	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.765	188	156225	20.000	ng/ul	0.00
79) Chrysene-d12	22.071	240	139539	20.000	ng/ul	0.00
88) Perylene-d12	25.602	264	143711	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.693	96	1425	4.929	ng/uL	-0.01
4) Pyridine-d5	4.133	84	16003m	13.714	ng/ul	0.00
7) Phenol-d5	7.541	99	28525	17.775	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.718	67	18310	18.704	ng/ul	0.00
11) 2-Chlorophenol-d4	7.941	132	19599	18.390	ng/ul	0.00
15) 4-Methylphenol-d8	9.110	113	22609	18.438	ng/ul	0.00
21) Nitrobenzene-d5	9.592	128	10525	17.359	ng/ul	0.00
24) 2-Nitrophenol-d4	10.320	143	12895	17.867	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.867	165	23371	17.189	ng/ul	0.00
31) 4-Chloroaniline-d4	11.378	131	31945	18.014	ng/ul	0.00
46) Dimethylphthalate-d6	14.416	166	87084	18.510	ng/ul	0.00
49) Acenaphthylene-d8	14.727	160	96078	17.968	ng/ul	0.00
54) 4-Nitrophenol-d4	15.179	143	15218	18.761	ng/ul	0.00
60) Fluorene-d10	16.008	176	77372	17.779	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.108	200	16776	16.050	ng/ul	0.00
73) Anthracene-d10	17.864	188	130894	17.271	ng/ul	0.00
81) Pyrene-d10	20.121	212	159851	16.929	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.356	264	136128	17.549	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.746	88	387m	1.086	ng/uL	
5) Pyridine	4.163	79	4665	3.775	ng/ul#	77
6) Benzaldehyde	7.541	77	4152	4.938	ng/ul#	80
8) Phenol	7.565	94	7271	4.442	ng/ul	89
10) Bis(2-Chloroethyl)ether	7.817	93	5253	4.517	ng/ul	96
12) 2-Chlorophenol	7.976	128	4538	4.300	ng/ul	94
13) 2-Methylphenol	8.846	108	5145	4.167	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.945	45	6821	4.364	ng/ul	95
16) Acetophenone	9.245	105	8997	4.285	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.216	70	5312	4.409	ng/ul#	82
18) 4-Methylphenol	9.169	108	5744	4.281	ng/ul	100
19) Hexachloroethane	9.527	117	1871	4.169	ng/ul#	91
22) Nitrobenzene	9.633	77	7479	4.254	ng/ul#	94
23) Isophorone	10.156	82	13921	4.050	ng/ul#	95
25) 2-Nitrophenol	10.356	139	2863	4.019	ng/ul#	84
26) 2,4-Dimethylphenol	10.391	107	5931	3.728	ng/ul	87
27) Bis(2-Chloroethoxy)met...	10.638	93	7055	4.061	ng/ul	96
29) 2,4-Dichlorophenol	10.890	162	5286	4.015	ng/ul	95
30) Naphthalene	11.313	128	16947	4.256	ng/ul	95
32) 4-Chloroaniline	11.407	127	7154	4.072	ng/ul	97
33) Hexachlorobutadiene	11.589	225	4485	4.274	ng/ul#	86
34) Caprolactam	12.148	113	2556m	5.710	ng/ul	
35) 4-Chloro-3-methylphenol	12.483	107	6036	3.990	ng/ul	98
36) 2-Methylnaphthalene	12.888	142	12702	4.454	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.099	142	11709	4.164	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.240	216	8596	4.158	ng/ul	94
40) Hexachlorocyclopentadiene	13.223	237	4698	3.171	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.470	196	5536	4.008	ng/ul	97
42) 2,4,5-Trichlorophenol	13.534	196	6247	4.165	ng/ul	92
43) 1,1'-Biphenyl	13.869	154	17827	4.158	ng/ul	99
44) 2-Chloronaphthalene	13.916	162	14735	4.153	ng/ul	99
45) 2-Nitroaniline	14.104	65	5268	4.278	ng/ul	91
47) Dimethylphthalate	14.457	163	21484	4.490	ng/ul	96
48) 2,6-Dinitrotoluene	14.586	165	4071	4.151	ng/ul#	98
50) Acenaphthylene	14.756	152	23506	4.352	ng/ul	99
51) 3-Nitroaniline	14.915	138	4143	4.720	ng/ul#	87
52) Acenaphthene	15.091	153	16211	4.369	ng/ul	99
53) 2,4-Dinitrophenol	15.121	184	2812	4.476	ng/ul#	75
55) 4-Nitrophenol	15.197	109	3978	4.237	ng/ul	93
56) Dibenzofuran	15.420	168	23798	4.225	ng/ul	99
57) 2,4-Dinitrotoluene	15.362	165	6133	4.362	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.632	232	5528	3.960	ng/ul#	96
59) Diethylphthalate	15.808	149	20352	4.250	ng/ul	97
61) Fluorene	16.067	166	19121	4.239	ng/ul	89
62) 4-Chlorophenyl-phenyle...	16.049	204	11701	4.380	ng/ul	99
63) 4-Nitroaniline	16.061	138	4006	4.671	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	16.125	198	4464	4.436	ng/ul#	99
67) N-Nitrosodiphenylamine	16.255	169	17760	4.088	ng/ul	94
68) 4-Bromophenyl-phenylether	16.942	248	8473	4.280	ng/ul	88
69) Hexachlorobenzene	17.065	284	8269	3.888	ng/ul#	88
70) Atrazine	17.189	200	8352	4.427	ng/ul	94
71) Pentachlorophenol	17.400	266	4330	3.585	ng/ul	92
72) Phenanthrene	17.806	178	35960	4.249	ng/ul	99
74) Anthracene	17.894	178	35181	4.114	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.840	216	8438	3.531	ng/ul	92
76) Pentachlorobenzene	15.338	250	8362	3.450	ng/ul	97
77) Carbazole	18.158	167	30682	4.288	ng/ul	93
78) Di-n-butylphthalate	18.681	149	34677	4.205	ng/ul	98
80) Fluoranthene	19.786	202	44995	3.941	ng/ul#	95
82) Pyrene	20.150	202	45322	4.029	ng/ul	98
83) Butylbenzylphthalate	21.008	149	15053	4.219	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.948	252	16253	4.646	ng/ul	89
85) Benzo(a)anthracene	22.048	228	40694	4.007	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.913	149	21753	4.340	ng/ul	95
87) Chrysene	22.118	228	38486	4.069	ng/ul	98
89) Di-n-octyl phthalate	23.229	149	37135	4.753	ng/ul	100
90) Benzo(b)fluoranthene	24.468	252	42364	4.403	ng/ul#	98
91) Benzo(k)fluoranthene	24.545	252	42167	4.500	ng/ul	98
93) Benzo(a)pyrene	25.432	252	37388	4.421	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.662	276	48918m	4.258	ng/ul	
95) Dibenzo(a,h)anthracene	29.745	278	40530	4.220	ng/ul	93
96) Benzo(g,h,i)perylene	30.943	276	39422m	4.296	ng/ul	

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

