

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022723\
 Data File : BG056727.D
 Acq On : 27 Feb 2023 12:10
 Operator : CG/JU
 Sample : 01378-02
 Misc : SFAM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 27 13:05:13 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 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.418	152	18377	20.000	ng/u1	0.00
20) Naphthalene-d8	11.261	136	80757	20.000	ng/u1	0.00
38) Acenaphthene-d10	15.022	164	62942	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.760	188	167741	20.000	ng/u1	0.00
79) Chrysene-d12	22.066	240	158441	20.000	ng/u1	0.00
88) Perylene-d12	25.597	264	159399	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.705	96	1440	4.347	ng/uL	0.00
4) Pyridine-d5	4.140	84	19094	14.279	ng/u1	0.00
7) Phenol-d5	7.542	99	31665	17.219	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.724	67	20627	18.388	ng/u1	0.00
11) 2-Chlorophenol-d4	7.942	132	21274	17.420	ng/u1	0.00
15) 4-Methylphenol-d8	9.105	113	23760	16.909	ng/u1	-0.01
21) Nitrobenzene-d5	9.593	128	11615	17.162	ng/u1	0.00
24) 2-Nitrophenol-d4	10.321	143	13229	16.421	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.862	165	25306	16.674	ng/u1	0.00
31) 4-Chloroaniline-d4	11.379	131	35004	17.683	ng/u1	0.00
46) Dimethylphthalate-d6	14.411	166	90997	17.919	ng/u1	0.00
49) Acenaphthylene-d8	14.722	160	104839	18.164	ng/u1	0.00
54) 4-Nitrophenol-d4	15.174	143	14466	16.522	ng/u1	0.00
60) Fluorene-d10	16.003	176	84149	17.913	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	15702	13.992	ng/u1	-0.01
73) Anthracene-d10	17.854	188	135220m	16.616	ng/u1	0.00
81) Pyrene-d10	20.116	212	172868	16.124	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.345	264	155767	18.105	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.735	88	605m	1.481	ng/uL	
5) Pyridine	4.164	79	5214	3.682	ng/u1	86
6) Benzaldehyde	7.542	77	4434	4.602	ng/u1	96
8) Phenol	7.566	94	7559	4.030	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.818	93	5372	4.031	ng/u1#	83
12) 2-Chlorophenol	7.971	128	4624	3.823	ng/u1	91
13) 2-Methylphenol	8.841	108	5136	3.630	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.935	45	7649	4.271	ng/u1	96
16) Acetophenone	9.246	105	10128	4.209	ng/u1	91
17) N-Nitroso-di-n-propyla...	9.217	70	5674	4.110	ng/u1#	95
18) 4-Methylphenol	9.164	108	6063	3.944	ng/u1	88
19) Hexachloroethane	9.528	117	2193	4.264	ng/u1#	82
22) Nitrobenzene	9.634	77	8584	4.374	ng/u1#	91
23) Isophorone	10.157	82	16348	4.261	ng/u1#	97
25) 2-Nitrophenol	10.351	139	3021	3.799	ng/u1	97
26) 2,4-Dimethylphenol	10.392	107	5644	3.178	ng/u1	87
27) Bis(2-Chloroethoxy)met...	10.633	93	8409	4.336	ng/u1	93
29) 2,4-Dichlorophenol	10.891	162	6248	4.251	ng/u1	96
30) Naphthalene	11.308	128	18495	4.161	ng/u1#	95
32) 4-Chloroaniline	11.402	127	8012	4.086	ng/u1	96
33) Hexachlorobutadiene	11.584	225	4865	4.153	ng/u1	92
34) Caprolactam	12.137	113	2614m	5.232	ng/u1	
35) 4-Chloro-3-methylphenol	12.483	107	6432	3.810	ng/u1	90
36) 2-Methylnaphthalene	12.883	142	13519	4.247	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.100	142	12587	4.010	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.241	216	9523	4.267	ng/ul	94
40) Hexachlorocyclopentadiene	13.218	237	5405	3.380	ng/ul#	94
41) 2,4,6-Trichlorophenol	13.465	196	5474	3.671	ng/ul	98
42) 2,4,5-Trichlorophenol	13.535	196	6356	3.926	ng/ul	91
43) 1,1'-Biphenyl	13.864	154	20106	4.344	ng/ul	95
44) 2-Chloronaphthalene	13.911	162	16554	4.323	ng/ul#	88
45) 2-Nitroaniline	14.099	65	4591	3.454	ng/ul#	85
47) Dimethylphthalate	14.452	163	22594	4.375	ng/ul	99
48) 2,6-Dinitrotoluene	14.581	165	4303	4.065	ng/ul	95
50) Acenaphthylene	14.751	152	24882	4.267	ng/ul	97
51) 3-Nitroaniline	14.910	138	4256	4.492	ng/ul#	86
52) Acenaphthene	15.086	153	16962	4.235	ng/ul	98
53) 2,4-Dinitrophenol	15.116	184	3260	4.807	ng/ul#	58
55) 4-Nitrophenol	15.186	109	3603	3.555	ng/ul	87
56) Dibenzofuran	15.415	168	26559	4.368	ng/ul	92
57) 2,4-Dinitrotoluene	15.362	165	6220	4.098	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.633	232	5552	3.685	ng/ul#	92
59) Diethylphthalate	15.803	149	21345	4.129	ng/ul	96
61) Fluorene	16.062	166	20926	4.298	ng/ul	91
62) 4-Chlorophenyl-phenyle...	16.044	204	12903	4.474	ng/ul	98
63) 4-Nitroaniline	16.062	138	3935	4.251	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	16.120	198	4502	4.167	ng/ul#	85
67) N-Nitrosodiphenylamine	16.250	169	17813	3.819	ng/ul	93
68) 4-Bromophenyl-phenylether	16.937	248	8818	4.148	ng/ul	97
69) Hexachlorobenzene	17.060	284	9282	4.064	ng/ul#	89
70) Atrazine	17.178	200	8479	4.185	ng/ul	91
71) Pentachlorophenol	17.401	266	4513	3.480	ng/ul	91
72) Phenanthrene	17.801	178	37873	4.168	ng/ul	97
74) Anthracene	17.889	178	37483	4.082	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.835	216	8967	3.494	ng/uL	94
76) Pentachlorobenzene	15.339	250	9487	3.645	ng/uL	89
77) Carbazole	18.147	167	32177	4.188	ng/ul	97
78) Di-n-butylphthalate	18.676	149	35183	3.973	ng/ul	99
80) Fluoranthene	19.781	202	49661	3.831	ng/ul	97
82) Pyrene	20.145	202	48554	3.802	ng/ul	99
83) Butylbenzylphthalate	21.003	149	13784	3.402	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.943	252	16629	4.186	ng/ul#	98
85) Benzo(a)anthracene	22.043	228	46878	4.065	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.908	149	20744	3.645	ng/ul#	94
87) Chrysene	22.119	228	44406	4.135	ng/ul	98
89) Di-n-octyl phthalate	23.224	149	34644	3.998	ng/ul	100
90) Benzo(b)fluoranthene	24.463	252	45776	4.290	ng/ul#	98
91) Benzo(k)fluoranthene	24.534	252	44137	4.247	ng/ul#	95
93) Benzo(a)pyrene	25.421	252	39438	4.205	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.646	276	53584	4.205	ng/ul#	97
95) Dibenzo(a,h)anthracene	29.728	278	43686m	4.100	ng/ul	
96) Benzo(g,h,i)perylene	30.921	276	42938m	4.219	ng/ul	

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

