

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011023\
 Data File : BM038418.D
 Acq On : 10 Jan 2023 10:32
 Operator : CG/JU
 Sample : N4239-02
 Misc : SFAM-MDL-W-02-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT3-2022-06

Quant Time: Jan 10 11:22:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 02:11:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/11/2023
 Supervised By :mohammad ahmed 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	65210	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	240091	20.000	ng/u1	#-0.01
38) Acenaphthene-d10	14.627	164	158937	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	375280	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	418389	20.000	ng/u1	0.00
88) Perylene-d12	23.968	264	515519	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	8212	4.084	ng/uL	0.00
4) Pyridine-d5	3.799	84	76597	13.166	ng/u1	0.00
7) Phenol-d5	7.151	99	98734	16.621	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	76431	17.885	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	73552	17.280	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	80153	17.479	ng/u1	-0.01
21) Nitrobenzene-d5	9.163	128	37275	19.789	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.892	143	38813	18.168	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	71991	17.451	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	90118	15.830	ng/u1	0.00
46) Dimethylphthalate-d6	14.033	166	219784	18.259	ng/u1	-0.01
49) Acenaphthylene-d8	14.322	160	244011	17.396	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	31430	14.505	ng/u1	-0.01
60) Fluorene-d10	15.616	176	192655	17.600	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	40368	14.842	ng/u1	0.00
73) Anthracene-d10	17.462	188	310187	17.134	ng/u1	-0.01
81) Pyrene-d10	19.756	212	401497	17.245	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	464329	18.135	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	2947	1.373	ng/uL#	91
5) Pyridine	3.822	79	21413	3.484	ng/u1#	70
6) Benzaldehyde	7.134	77	14061m	5.757	ng/u1	
8) Phenol	7.181	94	23733	3.787	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.416	93	19571	3.900	ng/u1	99
12) 2-Chlorophenol	7.551	128	17275	3.930	ng/u1#	87
13) 2-Methylphenol	8.440	108	16326	3.647	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.516	45	35245	4.428	ng/u1	98
16) Acetophenone	8.828	105	31898	3.931	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.804	70	18958	4.337	ng/u1	97
18) 4-Methylphenol	8.769	108	19328	3.969	ng/u1	100
19) Hexachloroethane	9.075	117	8941	4.368	ng/u1	95
22) Nitrobenzene	9.204	77	28732	4.625	ng/u1	95
23) Isophorone	9.734	82	46801	4.394	ng/u1	97
25) 2-Nitrophenol	9.922	139	8662	3.893	ng/u1#	81
26) 2,4-Dimethylphenol	9.975	107	19391	3.728	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.216	93	24971	4.097	ng/u1	99
29) 2,4-Dichlorophenol	10.451	162	16231	4.046	ng/u1	96
30) Naphthalene	10.857	128	52572	4.105	ng/u1	99
32) 4-Chloroaniline	10.975	127	21340	3.679	ng/u1	94
33) Hexachlorobutadiene	11.134	225	12954	4.337	ng/u1	94
34) Caprolactam	11.775	113	4480m	3.913	ng/u1	
35) 4-Chloro-3-methylphenol	12.092	107	16106	3.773	ng/u1	92
36) 2-Methylnaphthalene	12.463	142	32637	3.910	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	29438	3.409	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.828	216	21482	3.823	ng/ul	98
40) Hexachlorocyclopentadiene	12.798	237	12146	3.060	ng/ul#	88
41) 2,4,6-Trichlorophenol	13.069	196	12702	3.642	ng/ul	98
42) 2,4,5-Trichlorophenol	13.139	196	14119	3.777	ng/ul	90
43) 1,1'-Biphenyl	13.463	154	45838	3.815	ng/ul	96
44) 2-Chloronaphthalene	13.510	162	36888	3.760	ng/ul	97
45) 2-Nitroaniline	13.722	65	10909	3.324	ng/ul	92
47) Dimethylphthalate	14.080	163	49331	4.039	ng/ul	100
48) 2,6-Dinitrotoluene	14.210	165	8479	3.646	ng/ul#	96
50) Acenaphthylene	14.351	152	57254	3.848	ng/ul	99
51) 3-Nitroaniline	14.545	138	6876m	3.211	ng/ul	
52) Acenaphthene	14.686	153	41120	3.905	ng/ul	97
53) 2,4-Dinitrophenol	14.751	184	8030	4.618	ng/ul	94
55) 4-Nitrophenol	14.839	109	8387	3.698	ng/ul	85
56) Dibenzofuran	15.021	168	56930	3.804	ng/ul	92
57) 2,4-Dinitrotoluene	14.998	165	12432	3.654	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.251	232	12653	3.790	ng/ul	91
59) Diethylphthalate	15.439	149	49602	3.918	ng/ul	98
61) Fluorene	15.669	166	48504	3.775	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.663	204	26454	3.912	ng/ul	98
63) 4-Nitroaniline	15.698	138	7777m	3.795	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	10922	4.191	ng/ul#	98
67) N-Nitrosodiphenylamine	15.874	169	40516	3.786	ng/ul	97
68) 4-Bromophenyl-phenylether	16.551	248	14842	3.733	ng/ul	95
69) Hexachlorobenzene	16.668	284	17243	3.760	ng/ul	96
70) Atrazine	16.821	200	17542	3.966	ng/ul	97
71) Pentachlorophenol	17.021	266	11138	3.680	ng/ul	98
72) Phenanthrene	17.410	178	77701	3.795	ng/ul	98
74) Anthracene	17.498	178	77779	3.694	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.427	216	19036	3.361	ng/uL	90
76) Pentachlorobenzene	14.939	250	18337	3.360	ng/uL	98
77) Carbazole	17.774	167	63613	3.295	ng/ul	99
78) Di-n-butylphthalate	18.321	149	87224	3.781	ng/ul	98
80) Fluoranthene	19.421	202	94742	3.598	ng/ul	98
82) Pyrene	19.780	202	107684	3.753	ng/ul	98
83) Butylbenzylphthalate	20.668	149	39825	3.619	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.456	252	28753	3.296	ng/ul	93
85) Benzo(a)anthracene	21.527	228	113545	3.813	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.439	149	60876	3.584	ng/ul	97
87) Chrysene	21.580	228	106636	3.728	ng/ul	99
89) Di-n-octyl phthalate	22.368	149	114288	3.099	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	123279	3.780	ng/ul	99
91) Benzo(k)fluoranthene	23.274	252	117990	3.602	ng/ul	98
93) Benzo(a)pyrene	23.862	252	117328	3.975	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.497	276	149028	3.973	ng/ul	98
95) Dibenzo(a,h)anthracene	26.515	278	125886	4.021	ng/ul	96
96) Benzo(g,h,i)perylene	27.280	276	126763	4.127	ng/ul	99

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

