

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010523\
 Data File : BM038373.D
 Acq On : 05 Jan 2023 10:48
 Operator : CG/JU
 Sample : N5388-01
 Misc : SFAM-MDL-W-01-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Quant Time: Jan 05 12:10:35 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 01/06/2023
 Supervised By :mohammad ahmed 01/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	56737	20.000	ng/u1	0.00
20) Naphthalene-d8	10.816	136	213491	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.633	164	136410	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	317960	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	341535	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	421943	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	7987	4.565	ng/uL	0.00
4) Pyridine-d5	3.798	84	64839	12.810	ng/u1	0.00
7) Phenol-d5	7.163	99	91605	17.723	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	67504	18.155	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	70487	19.033	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	69158	17.334	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	31326	18.703	ng/u1	0.00
24) 2-Nitrophenol-d4	9.898	143	36205	19.059	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.433	165	65356	17.816	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	84281	16.650	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	196756	19.046	ng/u1	0.00
49) Acenaphthylene-d8	14.327	160	222657	18.495	ng/u1	0.00
54) 4-Nitrophenol-d4	14.833	143	29317m	15.764	ng/u1	0.00
60) Fluorene-d10	15.621	176	172157	18.325	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	35990	15.618	ng/u1	0.00
73) Anthracene-d10	17.474	188	274220	17.878	ng/u1	0.00
81) Pyrene-d10	19.756	212	351519	18.496	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	396438	18.917	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.404	88	2301m	1.232	ng/uL	
5) Pyridine	3.822	79	18691	3.496	ng/u1#	65
6) Benzaldehyde	7.139	77	12517m	5.891	ng/u1	
8) Phenol	7.186	94	23719	4.350	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.422	93	20719	4.745	ng/u1	97
12) 2-Chlorophenol	7.563	128	18378	4.805	ng/u1	95
13) 2-Methylphenol	8.451	108	15986	4.105	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.522	45	29954m	4.326	ng/u1	
16) Acetophenone	8.833	105	29592	4.191	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.810	70	16944	4.455	ng/u1	96
18) 4-Methylphenol	8.775	108	17970	4.241	ng/u1	94
19) Hexachloroethane	9.080	117	8711	4.891	ng/u1	94
22) Nitrobenzene	9.216	77	26800	4.851	ng/u1	97
23) Isophorone	9.739	82	41798	4.413	ng/u1	98
25) 2-Nitrophenol	9.927	139	9161	4.630	ng/u1	96
26) 2,4-Dimethylphenol	9.986	107	21314	4.608	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.222	93	25268	4.663	ng/u1#	98
29) 2,4-Dichlorophenol	10.457	162	16606	4.655	ng/u1	96
30) Naphthalene	10.863	128	54470	4.783	ng/u1	98
32) 4-Chloroaniline	10.980	127	21375	4.144	ng/u1	93
33) Hexachlorobutadiene	11.139	225	13921	5.242	ng/u1	94
34) Caprolactam	11.774	113	4442m	4.363	ng/u1	
35) 4-Chloro-3-methylphenol	12.098	107	15613m	4.114	ng/u1	
36) 2-Methylnaphthalene	12.469	142	32648	4.398	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.686	142	26911	3.504	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.833	216	22503	4.666	ng/ul	96
40) Hexachlorocyclopentadiene	12.804	237	12727	3.736	ng/ul	99
41) 2,4,6-Trichlorophenol	13.074	196	12723	4.250	ng/ul	99
42) 2,4,5-Trichlorophenol	13.151	196	14439m	4.501	ng/ul	
43) 1,1'-Biphenyl	13.468	154	46653	4.524	ng/ul	96
44) 2-Chloronaphthalene	13.515	162	39201	4.656	ng/ul	96
45) 2-Nitroaniline	13.727	65	11351	4.030	ng/ul	97
47) Dimethylphthalate	14.086	163	48386	4.616	ng/ul	100
48) 2,6-Dinitrotoluene	14.215	165	7677	3.846	ng/ul#	91
50) Acenaphthylene	14.357	152	58305	4.565	ng/ul	98
51) 3-Nitroaniline	14.551	138	7279	3.960	ng/ul#	87
52) Acenaphthene	14.698	153	41368	4.577	ng/ul	98
53) 2,4-Dinitrophenol	14.757	184	8110	5.434	ng/ul	97
55) 4-Nitrophenol	14.851	109	8200	4.212	ng/ul	92
56) Dibenzofuran	15.027	168	58272	4.537	ng/ul	98
57) 2,4-Dinitrotoluene	14.998	165	12418	4.252	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.257	232	12222	4.265	ng/ul	92
59) Diethylphthalate	15.445	149	49728	4.577	ng/ul	97
61) Fluorene	15.674	166	47934	4.347	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.668	204	25758	4.438	ng/ul	94
63) 4-Nitroaniline	15.704	138	7748m	4.405	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.762	198	10999	4.981	ng/ul#	98
67) N-Nitrosodiphenylamine	15.880	169	38884	4.289	ng/ul	97
68) 4-Bromophenyl-phenylether	16.562	248	15015	4.458	ng/ul	97
69) Hexachlorobenzene	16.674	284	17297	4.452	ng/ul	97
70) Atrazine	16.827	200	13649	3.642	ng/ul	89
71) Pentachlorophenol	17.027	266	10768	4.200	ng/ul	100
72) Phenanthrene	17.415	178	76251	4.395	ng/ul	98
74) Anthracene	17.509	178	78319	4.390	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.439	216	16975	3.537	ng/uL	97
76) Pentachlorobenzene	14.945	250	16324	3.530	ng/uL	94
77) Carbazole	17.780	167	63495	3.882	ng/ul	97
78) Di-n-butylphthalate	18.327	149	84140	4.305	ng/ul	100
80) Fluoranthene	19.421	202	93720	4.360	ng/ul	99
82) Pyrene	19.786	202	105220	4.492	ng/ul	99
83) Butylbenzylphthalate	20.668	149	37525	4.177	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.462	252	37044	5.201	ng/ul	99
85) Benzo(a)anthracene	21.527	228	105151	4.326	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.439	149	57124	4.119	ng/ul#	97
87) Chrysene	21.580	228	101545	4.349	ng/ul	98
89) Di-n-octyl phthalate	22.368	149	107289	3.554	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	116425	4.361	ng/ul	99
91) Benzo(k)fluoranthene	23.274	252	114824	4.283	ng/ul	96
93) Benzo(a)pyrene	23.862	252	111744	4.625	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.503	276	142480	4.640	ng/ul	99
95) Dibenzo(a,h)anthracene	26.521	278	117692	4.593	ng/ul	98
96) Benzo(g,h,i)perylene	27.291	276	118083	4.697	ng/ul	95

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

