

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101923\
 Data File : BG059493.D
 Acq On : 19 Oct 2023 17:49
 Operator : MA/JU
 Sample : 02215-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Quant Time: Oct 20 04:17:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 20 03:52:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.189	152	47907	20.000	ng/u1	0.00
20) Naphthalene-d8	11.026	136	168177	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.828	164	107802	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.578	188	259514	20.000	ng/u1	0.00
79) Chrysene-d12	21.867	240	262395	20.000	ng/u1	0.00
88) Perylene-d12	25.310	264	295328	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	6868m	4.522	ng/uL	0.00
4) Pyridine-d5	3.911	84	79913	15.324	ng/u1	0.00
7) Phenol-d5	7.313	99	151338	31.702	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.507	67	97446	35.612	ng/u1	0.00
11) 2-Chlorophenol-d4	7.707	132	101769	26.689	ng/u1	0.00
15) 4-Methylphenol-d8	8.882	113	72645	17.664	ng/u1	0.00
21) Nitrobenzene-d5	9.387	128	36187	22.049	ng/u1	0.00
24) 2-Nitrophenol-d4	10.110	143	40171	24.866	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.627	165	69876	23.379	ng/u1	0.00
31) 4-Chloroaniline-d4	11.179	131	108581	24.466	ng/u1	0.00
46) Dimethylphthalate-d6	14.223	166	239305	22.860	ng/u1	0.00
49) Acenaphthylene-d8	14.528	160	290363	24.094	ng/u1	0.00
54) 4-Nitrophenol-d4	15.016	143	39858	23.211	ng/u1	0.00
60) Fluorene-d10	15.815	176	224852	25.155	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.927	200	40142	22.999	ng/u1	0.00
73) Anthracene-d10	17.677	188	336456	23.544	ng/u1	0.00
81) Pyrene-d10	19.951	212	405148	23.532	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.069	264	422322	24.989	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.512	88	2008m	1.162	ng/uL	
5) Pyridine	3.941	79	11078	2.051	ng/u1#	68
6) Benzaldehyde	7.331	77	15974	7.432	ng/u1#	75
8) Phenol	7.342	94	22854	4.842	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.607	93	20611	5.058	ng/u1	91
12) 2-Chlorophenol	7.742	128	17542	4.563	ng/u1#	86
13) 2-Methylphenol	8.617	108	12359	3.081	ng/u1#	65
14) 2,2'-oxybis(1-Chloropr...	8.711	45	26024m	2.866	ng/u1	
16) Acetophenone	9.035	105	18993	3.059	ng/u1#	85
17) N-Nitroso-di-n-propyla...	8.993	70	8839	2.740	ng/u1#	97
18) 4-Methylphenol	8.946	108	11746	2.709	ng/u1	95
19) Hexachloroethane	9.270	117	4284	2.709	ng/u1#	91
22) Nitrobenzene	9.428	77	12690	3.358	ng/u1	90
23) Isophorone	9.934	82	26225	3.618	ng/u1	98
25) 2-Nitrophenol	10.145	139	6590	3.876	ng/u1#	85
26) 2,4-Dimethylphenol	10.163	107	10463	3.240	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.421	93	17344	3.850	ng/u1	96
29) 2,4-Dichlorophenol	10.656	162	11462	3.816	ng/u1	88
30) Naphthalene	11.079	128	42398	4.012	ng/u1	95
32) 4-Chloroaniline	11.203	127	16800	3.990	ng/u1#	74
33) Hexachlorobutadiene	11.308	225	7134	3.702	ng/u1	88
34) Caprolactam	11.984	113	3749m	3.982	ng/u1	
35) 4-Chloro-3-methylphenol	12.272	107	10213	3.459	ng/u1#	89
36) 2-Methylnaphthalene	12.672	142	27089	3.884	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.889	142	29164	4.102	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	13.012	216	14135	3.891	ng/ul#	85
40) Hexachlorocyclopentadiene	12.965	237	8062	3.982	ng/ul#	95
41) 2,4,6-Trichlorophenol	13.265	196	8818	3.955	ng/ul	90
42) 2,4,5-Trichlorophenol	13.330	196	8533m	3.346	ng/ul	
43) 1,1'-Biphenyl	13.664	154	39551	3.916	ng/ul	93
44) 2-Chloronaphthalene	13.717	162	32651	4.112	ng/ul	97
45) 2-Nitroaniline	13.935	65	8469	3.271	ng/ul	87
47) Dimethylphthalate	14.270	163	40091	3.879	ng/ul#	97
48) 2,6-Dinitrotoluene	14.411	165	6527	3.208	ng/ul	89
50) Acenaphthylene	14.558	152	49350	3.803	ng/ul	96
51) 3-Nitroaniline	14.757	138	7445	3.797	ng/ul#	61
52) Acenaphthene	14.887	153	32979	3.944	ng/ul	84
53) 2,4-Dinitrophenol	14.951	184	6702	6.494	ng/ul#	84
55) 4-Nitrophenol	15.028	109	4940	4.152	ng/ul	85
56) Dibenzofuran	15.227	168	45595	4.044	ng/ul	92
57) 2,4-Dinitrotoluene	15.192	165	9981	3.585	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.439	232	8926	3.907	ng/ul#	75
59) Diethylphthalate	15.609	149	36976	3.920	ng/ul	93
61) Fluorene	15.868	166	39580	4.194	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.856	204	19548	4.060	ng/ul	96
63) 4-Nitroaniline	15.915	138	7691	4.050	ng/ul#	66
66) 4,6-Dinitro-2-methylph...	15.938	198	7234	3.908	ng/ul#	60
67) N-Nitrosodiphenylamine	16.073	169	31480	3.926	ng/ul	98
68) 4-Bromophenyl-phenylether	16.755	248	12495	4.269	ng/ul	93
69) Hexachlorobenzene	16.843	284	13749	4.147	ng/ul#	81
70) Atrazine	17.008	200	12497	4.370	ng/ul#	94
71) Pentachlorophenol	17.201	266	10468m	5.621	ng/ul	
72) Phenanthrene	17.619	178	66639m	3.935	ng/ul	
74) Anthracene	17.707	178	68271	3.916	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.623	216	14293	3.744	ng/uL#	76
76) Pentachlorobenzene	15.116	250	16364	4.376	ng/uL	95
77) Carbazole	17.989	167	57185	4.092	ng/ul	97
78) Di-n-butylphthalate	18.494	149	65856	3.861	ng/ul	97
80) Fluoranthene	19.616	202	80116	3.773	ng/ul	96
82) Pyrene	19.981	202	86974	3.886	ng/ul	95
83) Butylbenzylphthalate	20.833	149	28867	3.716	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.761	252	33288	4.729	ng/ul	93
85) Benzo(a)anthracene	21.843	228	81611	3.758	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.679	149	43853	3.869	ng/ul	99
87) Chrysene	21.914	228	79793	3.930	ng/ul	94
89) Di-n-octyl phthalate	22.959	149	73530	4.121	ng/ul	100
90) Benzo(b)fluoranthene	24.193	252	85386m	4.061	ng/ul	
91) Benzo(k)fluoranthene	24.264	252	83846	3.857	ng/ul	99
93) Benzo(a)pyrene	25.145	252	83385	4.163	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.270	276	91047m	3.993	ng/ul	
95) Dibenzo(a,h)anthracene	29.352	278	75902	4.093	ng/ul	94
96) Benzo(g,h,i)perylene	30.527	276	78754m	4.113	ng/ul	

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

