

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032723\
 Data File : VX034760.D
 Acq On : 27 Mar 2023 19:18
 Operator : JC/MD
 Sample : 02101-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWCB-05-85-90-032423MS

Quant Time: Mar 28 03:24:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/28/2023
 Supervised By : Semsettin Yesilyurt 03/28/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	268286	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	457211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	180511	46.249	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.500%		
35) Dibromofluoromethane	5.385	113	138883	46.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.020%		
50) Toluene-d8	8.647	98	497292	44.129	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.260%#		
62) 4-Bromofluorobenzene	11.079	95	202035	44.385	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	139281	55.688	ug/l	98
3) Chloromethane	1.294	50	178484	47.032	ug/l	100
4) Vinyl Chloride	1.374	62	179147	52.604	ug/l	98
5) Bromomethane	1.618	94	103675	60.336	ug/l	98
6) Chloroethane	1.691	64	114199	58.240	ug/l	96
7) Trichlorofluoromethane	1.886	101	286847	56.056	ug/l	99
8) Diethyl Ether	2.130	74	104720	56.059	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	152064	50.990	ug/l	100
10) Methyl Iodide	2.453	142	167609	42.808	ug/l	97
11) Tert butyl alcohol	3.001	59	237348	292.022	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	149101	50.766	ug/l	95
13) Acrolein	2.239	56	135283	210.399	ug/l	100
14) Allyl chloride	2.666	41	299156	50.241	ug/l	97
15) Acrylonitrile	3.068	53	495757	282.363	ug/l	99
16) Acetone	2.392	43	442701	240.792	ug/l	100
17) Carbon Disulfide	2.514	76	346312	41.899	ug/l	99
18) Methyl Acetate	2.703	43	341433	56.836	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	577657	54.932	ug/l	100
20) Methylene Chloride	2.788	84	174727	48.968	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	164626	52.780	ug/l	97
22) Diisopropyl ether	3.757	45	622134	54.801	ug/l	96
23) Vinyl Acetate	3.721	43	2219777	256.915	ug/l	99
24) 1,1-Dichloroethane	3.611	63	331187	54.269	ug/l	99
25) 2-Butanone	4.562	43	730858	277.823	ug/l	98
26) 2,2-Dichloropropane	4.471	77	253854	47.855	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	197812	52.682	ug/l	99
28) Bromochloromethane	4.897	49	132656	46.750	ug/l	100
29) Tetrahydrofuran	5.007	42	469982	289.528	ug/l	100
30) Chloroform	5.093	83	338837	56.642	ug/l	97
31) Cyclohexane	5.477	56	283496	51.792	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	286333	54.069	ug/l	99
36) 1,1-Dichloropropene	5.690	75	242323	52.264	ug/l	98
37) Ethyl Acetate	4.708	43	271860	53.671	ug/l	98
38) Carbon Tetrachloride	5.678	117	237399	51.468	ug/l	100
39) Methylcyclohexane	7.379	83	259719	46.807	ug/l	98
40) Benzene	6.037	78	712641	52.540	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	156804m	56.486	ug/l	
42) 1,2-Dichloroethane	6.086	62	280826	56.335	ug/l	99
43) Isopropyl Acetate	6.336	43	466058	54.313	ug/l	99
44) Trichloroethene	7.123	130	184766	52.428	ug/l	99
45) 1,2-Dichloropropane	7.427	63	190415	53.766	ug/l	100
46) Dibromomethane	7.580	93	129432	53.757	ug/l	100
47) Bromodichloromethane	7.824	83	244954	52.567	ug/l	99
48) Methyl methacrylate	7.690	41	231821	56.172	ug/l	98
49) 1,4-Dioxane	7.714	88	102028	1177.029	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1437182	288.712	ug/l	100
52) Toluene	8.720	92	450818	53.685	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	278786	53.104	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	295469	52.021	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	184306	55.303	ug/l	99
56) Ethyl methacrylate	9.116	69	302683	55.317	ug/l	99
57) 1,3-Dichloropropane	9.305	76	321473	54.275	ug/l	100
59) 2-Hexanone	9.433	43	1095852	284.785	ug/l	100
60) Dibromochloromethane	9.519	129	181162	51.831	ug/l	99
61) 1,2-Dibromoethane	9.610	107	195485	54.358	ug/l	100
64) Tetrachloroethene	9.275	164	150660	54.511	ug/l	96
65) Chlorobenzene	10.079	112	473533	52.454	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	174438	53.054	ug/l	99
67) Ethyl Benzene	10.195	91	864075	53.465	ug/l	98
68) m/p-Xylenes	10.299	106	650062	104.709	ug/l	98
69) o-Xylene	10.640	106	325567	52.256	ug/l	99
70) Styrene	10.652	104	538593	53.581	ug/l	99
71) Bromoform	10.799	173	121752	48.106	ug/l #	99
73) Isopropylbenzene	10.963	105	833532	52.939	ug/l	100
74) N-amyl acetate	10.841	43	410328	54.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	286958	54.616	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	238978m	51.089	ug/l	
77) Bromobenzene	11.195	156	201822	53.426	ug/l	99
78) n-propylbenzene	11.305	91	964830	53.059	ug/l	99
79) 2-Chlorotoluene	11.366	91	599217	53.356	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	691990	52.397	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	82627	47.787	ug/l	93
82) 4-Chlorotoluene	11.457	91	692074	53.501	ug/l	100
83) tert-Butylbenzene	11.713	119	676819	50.829	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	703115	52.094	ug/l	99
85) sec-Butylbenzene	11.890	105	817077	50.193	ug/l	100
86) p-Isopropyltoluene	12.006	119	687111	50.222	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	375192	50.690	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	380535	50.845	ug/l	100
89) n-Butylbenzene	12.335	91	591340	48.619	ug/l	99
90) Hexachloroethane	12.536	117	112343	44.377	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	377269	52.743	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	66114	55.384	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	215247	48.120	ug/l	98
94) Hexachlorobutadiene	13.725	225	85239	47.301	ug/l	99
95) Naphthalene	13.774	128	799007	53.267	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	210371	48.112	ug/l	99

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

