

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034574.D
 Acq On : 17 Mar 2023 11:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 19 23:55:56 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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	286039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	474918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	432625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	246519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	232740	55.930	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.860%			
35) Dibromofluoromethane	5.379	113	169440	54.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.080%			
50) Toluene-d8	8.647	98	626532	53.524	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.040%			
62) 4-Bromofluorobenzene	11.079	95	261497	55.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	168173	63.066	ug/l	99
3) Chloromethane	1.301	50	209788	51.988	ug/l	99
4) Vinyl Chloride	1.374	62	200961	55.347	ug/l	98
5) Bromomethane	1.599	94	104374	56.973	ug/l	100
6) Chloroethane	1.679	64	126094	60.315	ug/l	99
7) Trichlorofluoromethane	1.880	101	322975	59.198	ug/l	100
8) Diethyl Ether	2.130	74	112142	56.307	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	177949	55.967	ug/l	99
10) Methyl Iodide	2.447	142	233437	55.921	ug/l	96
11) Tert butyl alcohol	2.959	59	203988	235.400	ug/l	98
12) 1,1-Dichloroethene	2.313	96	163550	52.230	ug/l	92
13) Acrolein	2.233	56	242854	354.257	ug/l	99
14) Allyl chloride	2.660	41	328998	51.824	ug/l	97
15) Acrylonitrile	3.056	53	503801	269.136	ug/l	99
16) Acetone	2.373	43	431852	220.313	ug/l	98
17) Carbon Disulfide	2.508	76	428848	48.665	ug/l	99
18) Methyl Acetate	2.697	43	366435	57.212	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	611150	54.510	ug/l	98
20) Methylene Chloride	2.788	84	191123	50.239	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	178370	53.637	ug/l	96
22) Diisopropyl ether	3.757	45	656400	54.230	ug/l	93
23) Vinyl Acetate	3.715	43	2510674	272.548	ug/l	99
24) 1,1-Dichloroethane	3.605	63	351694	54.053	ug/l	99
25) 2-Butanone	4.550	43	721819	257.357	ug/l	98
26) 2,2-Dichloropropane	4.465	77	311862	55.141	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	211656	52.871	ug/l	97
28) Bromochloromethane	4.891	49	158812	52.494	ug/l	99
29) Tetrahydrofuran	4.995	42	469936	271.531	ug/l	100
30) Chloroform	5.086	83	362163	56.784	ug/l	96
31) Cyclohexane	5.464	56	326665	55.974	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	323329	57.266	ug/l	99
36) 1,1-Dichloropropene	5.690	75	273126	56.711	ug/l	99
37) Ethyl Acetate	4.708	43	289493	55.021	ug/l	99
38) Carbon Tetrachloride	5.672	117	277379	57.894	ug/l	99
39) Methylcyclohexane	7.379	83	337056	58.480	ug/l	97
40) Benzene	6.031	78	760311	53.965	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	158113m	54.834	ug/l	
42) 1,2-Dichloroethane	6.080	62	311950	60.246	ug/l	99
43) Isopropyl Acetate	6.336	43	502122	56.334	ug/l	100
44) Trichloroethene	7.123	130	198428	54.205	ug/l	97
45) 1,2-Dichloropropane	7.427	63	204156	55.496	ug/l	99
46) Dibromomethane	7.580	93	141027	56.389	ug/l	98
47) Bromodichloromethane	7.818	83	278801	57.599	ug/l	100
48) Methyl methacrylate	7.690	41	248974	58.079	ug/l	98
49) 1,4-Dioxane	7.653	88	95465	1060.254	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1471918	284.665	ug/l	99
52) Toluene	8.714	92	485853	55.700	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	319193	58.534	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	338020	57.294	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	197905	57.170	ug/l	99
56) Ethyl methacrylate	9.116	69	326503	57.445	ug/l	98
57) 1,3-Dichloropropane	9.305	76	343461	55.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	596076	203.498	ug/l	100
59) 2-Hexanone	9.427	43	1138222	284.767	ug/l	100
60) Dibromochloromethane	9.519	129	207681	57.203	ug/l	100
61) 1,2-Dibromoethane	9.610	107	211181	56.533	ug/l	100
64) Tetrachloroethene	9.275	164	165020	56.784	ug/l	98
65) Chlorobenzene	10.079	112	527223	55.543	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	195358	56.509	ug/l	99
67) Ethyl Benzene	10.195	91	964259	56.744	ug/l	98
68) m/p-Xylenes	10.299	106	731711	112.092	ug/l	98
69) o-Xylene	10.640	106	364563	55.651	ug/l	99
70) Styrene	10.653	104	605716	57.310	ug/l	99
71) Bromoform	10.799	173	148402	55.766	ug/l	99
73) Isopropylbenzene	10.963	105	971569	50.993	ug/l	99
74) N-amyl acetate	10.841	43	470036	51.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	320363	50.388	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	269314m	47.579	ug/l	
77) Bromobenzene	11.195	156	228898	50.074	ug/l	100
78) n-propylbenzene	11.305	91	1159006	52.673	ug/l	99
79) 2-Chlorotoluene	11.366	91	700513	51.547	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	834855	52.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	102358	48.921	ug/l	93
82) 4-Chlorotoluene	11.457	91	817061	52.198	ug/l	100
83) tert-Butylbenzene	11.713	119	908295	56.371	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	913099	55.907	ug/l	99
85) sec-Butylbenzene	11.890	105	1108256	56.261	ug/l	99
86) p-Isopropyltoluene	12.006	119	946695	57.183	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	484469	54.091	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	488127	53.898	ug/l	99
89) n-Butylbenzene	12.335	91	846214	57.496	ug/l	99
90) Hexachloroethane	12.536	117	163928	53.512	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	457000	52.798	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	78822	54.567	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	297667	54.993	ug/l	99
94) Hexachlorobutadiene	13.725	225	126927	58.206	ug/l	100
95) Naphthalene	13.774	128	995012	54.818	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	294049	55.575	ug/l	97

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

