

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022421\
 Data File : VX020895.D
 Acq On : 24 Feb 2021 11:43
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 1:08:44 PM

Quant Time: Feb 24 12:59:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 12:56:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	222203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	397257	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	341130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	143018	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	15965	5.78	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	11.56%#
35) Dibromofluoromethane	5.464	113	12072	4.46	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	8.92%#
50) Toluene-d8	8.694	98	48224	4.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	9.86%#
62) 4-Bromofluorobenzene	11.118	95	16742	4.70	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.40%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	11820	5.33	ug/l	100
3) Chloromethane	1.317	50	12889	6.05	ug/l	99
4) Vinyl Chloride	1.393	62	14878	6.09	ug/l	99
5) Bromomethane	1.623	94	5018	3.48	ug/l	89
6) Chloroethane	1.705	64	9560	6.70	ug/l	99
7) Trichlorofluoromethane	1.911	101	19215	4.99	ug/l	98
8) Diethyl Ether	2.170	74	8615	5.97	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.364	101	11543	5.25	ug/l	99
10) Methyl Iodide	2.487	142	13382	4.37	ug/l	95
11) Tert butyl alcohol	3.023	59	16804	30.10	ug/l #	94
12) 1,1-Dichloroethene	2.352	96	12121	5.55	ug/l	99
13) Acrolein	2.276	56	11431	30.36	ug/l	92
14) Allyl chloride	2.705	41	20378	6.47	ug/l	97
15) Acrylonitrile	3.117	53	35293	29.82	ug/l	99
16) Acetone	2.423	43	30949	29.62	ug/l	98
17) Carbon Disulfide	2.546	76	34420	5.68	ug/l	99
18) Methyl Acetate	2.752	43	14345	5.79	ug/l	100
19) Methyl tert-butyl Ether	3.170	73	43761	6.07	ug/l	96
20) Methylene Chloride	2.834	84	14583	5.62	ug/l	98
21) trans-1,2-Dichloroethene	3.140	96	13727	5.60	ug/l	95
22) Diisopropyl ether	3.823	45	40509	6.43	ug/l	90
23) Vinyl Acetate	3.788	43	171463	31.79	ug/l	99
24) 1,1-Dichloroethane	3.670	63	23773	5.79	ug/l	97
25) 2-Butanone	4.641	43	46587	30.71	ug/l	99
26) 2,2-Dichloropropane	4.552	77	21754	5.71	ug/l	99
27) cis-1,2-Dichloroethene	4.570	96	15932	5.79	ug/l	96
28) Bromochloromethane	4.976	49	10670	6.32	ug/l	100
29) Tetrahydrofuran	5.094	42	29624	31.91	ug/l	99
30) Chloroform	5.182	83	24002	5.33	ug/l	98
31) Cyclohexane	5.552	56	21568	6.42	ug/l	97
32) 1,1,1-Trichloroethane	5.458	97	21106	5.25	ug/l	99
36) 1,1-Dichloropropene	5.770	75	18052	4.96	ug/l	98
37) Ethyl Acetate	4.799	43	17412	5.19	ug/l	98
38) Carbon Tetrachloride	5.752	117	18148	4.41	ug/l	95
39) Methylcyclohexane	7.441	83	23281	5.56	ug/l	97
40) Benzene	6.111	78	55834	5.12	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.011	41	9935	5.64	ug/l	98
42) 1,2-Dichloroethane	6.164	62	18370	4.75	ug/l	97
43) Isopropyl Acetate	6.411	43	30313	5.77	ug/l	99
44) Trichloroethene	7.188	130	14602	4.57	ug/l	99
45) 1,2-Dichloropropane	7.488	63	13961	5.18	ug/l	98
46) Dibromomethane	7.635	93	9285	4.62	ug/l	97
47) Bromodichloromethane	7.876	83	19725	4.80	ug/l	97
48) Methyl methacrylate	7.747	41	14893	5.81	ug/l	97
49) 1,4-Dioxane	7.717	88	6985	109.45	ug/l	99
51) 4-Methyl-2-Pentanone	8.618	43	86809	27.02	ug/l	99
52) Toluene	8.765	92	34294	4.96	ug/l	99
53) t-1,3-Dichloropropene	9.023	75	21417	5.03	ug/l	97
54) cis-1,3-Dichloropropene	8.412	75	23831	5.23	ug/l	99
55) 1,1,2-Trichloroethane	9.194	97	13704	4.72	ug/l	98
56) Ethyl methacrylate	9.159	69	21820	5.62	ug/l	99
57) 1,3-Dichloropropane	9.353	76	23413	4.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.288	63	52256	28.29	ug/l	98
59) 2-Hexanone	9.471	43	63625	26.47	ug/l	99
60) Dibromochloromethane	9.565	129	14277	4.39	ug/l	98
61) 1,2-Dibromoethane	9.653	107	14018	4.55	ug/l	100
64) Tetrachloroethene	9.318	164	13251	4.41	ug/l	95
65) Chlorobenzene	10.118	112	34335	4.75	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.206	131	12955	4.67	ug/l	96
67) Ethyl Benzene	10.235	91	63541	5.24	ug/l	98
68) m/p-Xylenes	10.341	106	46302	10.08	ug/l	98
69) o-Xylene	10.683	106	23140	5.38	ug/l	98
70) Styrene	10.694	104	38602	5.27	ug/l	99
71) Bromoform	10.841	173	9931	4.54	ug/l #	100
73) Isopropylbenzene	11.000	105	59783	6.07	ug/l	100
74) N-amyl acetate	10.883	43	23279	7.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.253	83	18664	5.78	ug/l	100
76) 1,2,3-Trichloropropane	11.277	75	15892m	5.09	ug/l	
77) Bromobenzene	11.236	156	13892	5.34	ug/l	95
78) n-propylbenzene	11.341	91	67163	6.13	ug/l	99
79) 2-Chlorotoluene	11.406	91	41007	6.07	ug/l	98
80) 1,3,5-Trimethylbenzene	11.489	105	49847	6.03	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.059	75	6919	5.90	ug/l	97
82) 4-Chlorotoluene	11.494	91	46640	5.83	ug/l	97
83) tert-Butylbenzene	11.753	119	47718	6.03	ug/l	98
84) 1,2,4-Trimethylbenzene	11.789	105	49251	5.98	ug/l	99
85) sec-Butylbenzene	11.930	105	55594	5.97	ug/l	100
86) p-Isopropyltoluene	12.047	119	49505	5.78	ug/l	98
87) 1,3-Dichlorobenzene	12.006	146	25001	5.30	ug/l	98
88) 1,4-Dichlorobenzene	12.083	146	24409	5.03	ug/l	95
89) n-Butylbenzene	12.371	91	44073	5.87	ug/l	99
90) Hexachloroethane	12.577	117	9177	5.57	ug/l	92
91) 1,2-Dichlorobenzene	12.371	146	23091	4.91	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.983	75	4274	5.61	ug/l	93
93) 1,2,4-Trichlorobenzene	13.630	180	13984	4.53	ug/l	98
94) Hexachlorobutadiene	13.765	225	5810	3.57	ug/l	93
95) Naphthalene	13.818	128	50191	5.43	ug/l	100
96) 1,2,3-Trichlorobenzene	14.001	180	14228	4.55	ug/l	97

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

