

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029344.D
 Acq On : 05 Feb 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC015

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:28 PM

Quant Time: Feb 08 10:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	57782	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23374	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24354	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	321957	14.930	ug/l	98
3) Chloromethane	1.33	50	291539	14.795	ug/l	98
4) Vinyl Chloride	1.40	62	344077	14.895	ug/l	98
5) Bromomethane	1.62	94	188861	14.698	ug/l	96
6) Chloroethane	1.69	64	200301	14.841	ug/l	99
7) Trichlorofluoromethane	1.88	101	485050	15.036	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	256106	15.035	ug/l	91
9) 1,1-Dichloroethene	2.28	96	251776	15.104	ug/l	75
10) Iodomethane	2.41	142	378610	17.705	ug/l #	78
11) Allyl Chloride	2.59	41	414894	14.843	ug/l	91
12) Acrylonitrile	2.94	53	107785	28.850	ug/l	98
13) Acetone	2.32	43	255982	71.436	ug/l #	85
14) Carbon Disulfide	2.47	76	878266	14.923	ug/l	100
15) Methylene Chloride	2.70	84	275454	13.628	ug/l #	81
16) trans-1,2-Dichloroethene	2.98	96	278011	14.929	ug/l	81
17) 1,1-Dichloroethane	3.44	63	430792	14.584	ug/l	97
18) 2-Butanone	4.27	43	322831	80.222	ug/l	98
19) Cyclohexane	4.99	56	387773m	14.892	ug/l	
20) Methylcyclohexane	6.41	83	437275	15.201	ug/l	88
21) 2,2-Dichloropropane	4.22	77	403242	14.748	ug/l	92
22) cis-1,2-Dichloroethene	4.22	96	266647	15.185	ug/l	82
23) Diethyl Ether	2.10	59	198942	14.863	ug/l	90
24) tert-Butyl Alcohol	2.84	59	200242	143.951	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	694795	14.803	ug/l #	88
26) Bromochloromethane	4.54	128	116786	15.057	ug/l	78
27) Chloroform	4.67	83	435148	15.148	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	407590	15.308	ug/l	96
29) 1,1-Dichloropropene	5.13	75	348588	15.081	ug/l	93
30) Carbon Tetrachloride	5.13	117	371790	15.424	ug/l	100
31) Isopropyl Ether	3.58	45	679411	15.243	ug/l	90
32) Ethyl-t-butyl ether	4.07	59	667166	14.937	ug/l	92
33) Tert-Amyl methyl ether	5.58	73	619675	15.343	ug/l	99
34) Propionitrile	4.33	54	85012	83.763	ug/l #	91
35) Benzene	5.39	78	978196	15.304	ug/l	98
36) 1,2-Dichloroethane	5.40	62	296203	15.321	ug/l #	93
37) Trichloroethene	6.18	130	283277	15.444	ug/l	89
38) 1,2-Dichloropropane	6.43	63	253337	15.236	ug/l	99
39) Methacrylonitrile	4.55	41	81817	15.104	ug/l	94
40) Methyl acrylate	4.42	55	130560	15.966	ug/l #	93
41) Tetrahydrofuran	4.65	42	80616	28.473	ug/l #	88
42) 1-Chlorobutane	5.06	56	478810	15.461	ug/l	89

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43) Dibromomethane	6.56	93	133141	15.025	ug/l	94
44) Bromodichloromethane	6.75	83	344179	15.244	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	808155	77.802	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.51	75	160574m	31.849	ug/l	
47) Methyl methacrylate	6.62	69	247655	31.766	ug/l	82
48) Ethyl methacrylate	8.02	69	263729	15.768	ug/l	86
49) Toluene	7.63	92	635275	15.531	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	343477	15.519	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	406456	15.459	ug/l	91
52) 1,1,2-Trichloroethane	8.06	97	183216	15.618	ug/l	99
53) 1,3-Dichloropropane	8.24	76	317504	15.407	ug/l	98
54) 2-Hexanone	8.36	43	585606	80.429	ug/l	90
55) Dibromochloromethane	8.48	129	254962	15.291	ug/l	98
56) 1,2-Dibromoethane	8.59	107	178936	14.867	ug/l	99
58) Tetrachloroethene	8.22	164	263219	15.422	ug/l	96
59) Chlorobenzene	9.12	112	717129	15.563	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	264480	15.534	ug/l	97
61) Pentachloroethane	11.10	117	210414	15.945	ug/l	88
62) Hexachloroethane	12.14	117	237215	16.471	ug/l	100
63) Ethyl Benzene	9.25	91	1251900	15.645	ug/l	96
64) m/p-Xylenes	9.37	106	989748	31.828	ug/l	91
65) o-Xylene	9.78	106	488607	16.007	ug/l	90
66) Styrene	9.79	104	828684	16.286	ug/l	95
67) Bromoform	9.95	173	166177	16.021	ug/l	99
69) Isopropylbenzene	10.16	105	1300972	15.953	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	237282	15.782	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	175460m	16.677	ug/l	
72) Bromobenzene	10.45	156	321046	16.242	ug/l	88
73) n-propylbenzene	10.59	120	366748	16.146	ug/l	84
74) 2-Chlorotoluene	10.66	126	308897	15.970	ug/l	86
75) 1,3,5-Trimethylbenzene	10.77	105	1139136	16.202	ug/l	97
76) 4-Chlorotoluene	10.77	126	322776	16.079	ug/l	87
77) tert-Butylbenzene	11.10	119	1121163	16.133	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	1156786	16.251	ug/l	96
79) sec-Butylbenzene	11.32	105	1466545	16.128	ug/l	96
80) Nitrobenzene	12.86	77	64815	97.618	ug/l #	92
81) p-Isopropyltoluene	11.47	119	1264983	16.412	ug/l	95
82) 1,3-Dichlorobenzene	11.41	146	634136	16.351	ug/l	97
83) 1,4-Dichlorobenzene	11.50	146	630532	16.325	ug/l	98
84) n-Butylbenzene	11.89	91	1187547	16.789	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	586226	15.988	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	44270	15.777	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.50	180	430994	16.734	ug/l	99
88) Hexachlorobutadiene	13.69	225	238587	15.996	ug/l	98
89) Naphthalene	13.74	128	753646	17.254	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	384342	16.329	ug/l	98

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

