

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040219\
 Data File : VU030612.D
 Acq On : 02 Apr 2019 20:19
 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

MMDadoda
 4/3/2019 11:44:02 AM

Quant Time: Apr 03 02:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 01:47:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	39234	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13918	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13445	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	226058	15.288	ug/l	100
3) Chloromethane	1.32	50	261227	15.583	ug/l	100
4) Vinyl Chloride	1.40	62	266436	18.001	ug/l	98
5) Bromomethane	1.62	94	114564	14.050	ug/l	99
6) Chloroethane	1.69	64	145743	17.175	ug/l	99
7) Trichlorofluoromethane	1.88	101	306841	16.245	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	151726	15.006	ug/l	98
9) 1,1-Dichloroethene	2.28	96	148122	14.850	ug/l	98
10) Iodomethane	2.41	142	217190	23.289	ug/l	99
11) Allyl Chloride	2.59	41	336576	21.698	ug/l	99
12) Acrylonitrile	2.93	53	100522	42.751	ug/l	98
13) Acetone	2.32	43	222098	107.076	ug/l	99
14) Carbon Disulfide	2.47	76	541440	15.486	ug/l	100
15) Methylene Chloride	2.69	84	183866	15.342	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	166412	14.525	ug/l	98
17) 1,1-Dichloroethane	3.44	63	350660	17.431	ug/l	99
18) 2-Butanone	4.27	43	345388	119.476	ug/l	99
19) Cyclohexane	4.99	56	317448m	18.415	ug/l	
20) Methylcyclohexane	6.41	83	272313	15.052	ug/l	99
21) 2,2-Dichloropropane	4.22	77	276087	16.480	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	189930	14.901	ug/l	98
23) Diethyl Ether	2.10	59	154594	19.606	ug/l	99
24) tert-Butyl Alcohol	2.83	59	189902	217.580	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	486998	18.599	ug/l	99
26) Bromochloromethane	4.54	128	79320	14.284	ug/l	98
27) Chloroform	4.67	83	328674	15.780	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	276599	16.245	ug/l	100
29) 1,1-Dichloropropene	5.13	75	252115	16.293	ug/l	99
30) Carbon Tetrachloride	5.13	117	240917	15.885	ug/l	99
31) Isopropyl Ether	3.57	45	605225	20.549	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	506557	18.575	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	429616	17.549	ug/l	99
34) Propionitrile	4.32	54	88698	112.302	ug/l	98
35) Benzene	5.38	78	734312	16.231	ug/l	100
36) 1,2-Dichloroethane	5.40	62	228370	18.183	ug/l	99
37) Trichloroethene	6.18	130	174683	13.810	ug/l	100
38) 1,2-Dichloropropane	6.43	63	206962	17.577	ug/l	97
39) Methacrylonitrile	4.54	41	81661	23.119	ug/l	98
40) Methyl acrylate	4.42	55	118692	22.150	ug/l	98
41) Tetrahydrofuran	4.65	42	86171	44.225	ug/l	96
42) 1-Chlorobutane	5.06	56	384014	18.346	ug/l	97

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43) Dibromomethane	6.56	93	99590	16.592	ug/l	98
44) Bromodichloromethane	6.75	83	251504	17.412	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	780656	120.106	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	105478m	44.506	ug/l	
47) Methyl methacrylate	6.62	69	208418	40.387	ug/l	98
48) Ethyl methacrylate	8.02	69	197520	20.650	ug/l	99
49) Toluene	7.63	92	422992	15.731	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	239350	18.561	ug/l	100
51) cis-1,3-Dichloropropene	7.26	75	279625	17.411	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	134114	15.904	ug/l	92
53) 1,3-Dichloropropane	8.24	76	250913	17.520	ug/l	100
54) 2-Hexanone	8.36	43	546882	118.580	ug/l	98
55) Dibromochloromethane	8.47	129	160374	15.996	ug/l	98
56) 1,2-Dibromoethane	8.58	107	129406	16.089	ug/l	100
58) Tetrachloroethene	8.22	164	154259	13.529	ug/l	99
59) Chlorobenzene	9.12	112	441143	14.548	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	160803	14.872	ug/l	98
61) Pentachloroethane	11.10	117	123839	14.846	ug/l	98
62) Hexachloroethane	12.14	117	120731	14.606	ug/l	99
63) Ethyl Benzene	9.24	91	800145	15.868	ug/l	99
64) m/p-Xylenes	9.37	106	597395	30.636	ug/l	96
65) o-Xylene	9.77	106	279608	14.624	ug/l	96
66) Styrene	9.79	104	506191	16.042	ug/l	99
67) Bromoform	9.95	173	92091	16.193	ug/l	100
69) Isopropylbenzene	10.16	105	762245	15.203	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	184327	17.482	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	137734m	17.343	ug/l	
72) Bromobenzene	10.45	156	175266	13.528	ug/l	98
73) n-propylbenzene	10.58	120	203326	14.442	ug/l	97
74) 2-Chlorotoluene	10.66	126	175250	14.187	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	649324	15.228	ug/l	100
76) 4-Chlorotoluene	10.77	126	184005	14.620	ug/l	97
77) tert-Butylbenzene	11.10	119	611913	14.737	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	667852	15.394	ug/l	99
79) sec-Butylbenzene	11.32	105	840445	15.065	ug/l	100
80) Nitrobenzene	12.86	77	31198	140.948	ug/l	99
81) p-Isopropyltoluene	11.47	119	675595	14.569	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	341485	13.111	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	339470	12.955	ug/l	98
84) n-Butylbenzene	11.89	91	701983	15.961	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	323187	13.307	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	30579	19.893	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	215262	12.555	ug/l	99
88) Hexachlorobutadiene	13.69	225	113655	12.119	ug/l	98
89) Naphthalene	13.74	128	416065	15.361	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	205491	13.082	ug/l	98

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

