

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030570.D
 Acq On : 30 Mar 2019 11:42
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:13 PM

Quant Time: Mar 31 01:00:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	55452	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21493	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20456	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	238925	11.339	ug/l	100
3) Chloromethane	1.33	50	289779	11.987	ug/l	100
4) Vinyl Chloride	1.40	62	263846	12.573	ug/l	100
5) Bromomethane	1.62	94	107572	9.398	ug/l	100
6) Chloroethane	1.70	64	147209	12.246	ug/l	100
7) Trichlorofluoromethane	1.88	101	294126	11.117	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	146525	10.339	ug/l	100
9) 1,1-Dichloroethene	2.28	96	147250	10.475	ug/l	100
10) Iodomethane	2.41	142	144621	11.967	ug/l	100
11) Allyl Chloride	2.59	41	322020	14.777	ug/l	100
12) Acrylonitrile	2.94	53	80776	25.253	ug/l	100
13) Acetone	2.32	43	182080	64.366	ug/l	100
14) Carbon Disulfide	2.47	76	537900	10.876	ug/l	100
15) Methylene Chloride	2.69	84	175035	10.378	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	163763	10.133	ug/l	100
17) 1,1-Dichloroethane	3.44	63	341551	12.053	ug/l	100
18) 2-Butanone	4.27	43	271757	69.259	ug/l	100
19) Cyclohexane	4.98	56	305791m	12.542	ug/l	
20) Methylcyclohexane	6.41	83	273503	10.623	ug/l	100
21) 2,2-Dichloropropane	4.22	77	263190	11.192	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	181320	10.121	ug/l	100
23) Diethyl Ether	2.10	59	140758	12.798	ug/l	100
24) tert-Butyl Alcohol	2.84	59	143567	122.306	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	433851	11.869	ug/l	100
26) Bromochloromethane	4.54	128	70040	9.090	ug/l	100
27) Chloroform	4.67	83	325573	11.072	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	269440	11.226	ug/l	100
29) 1,1-Dichloropropene	5.13	75	242354	11.110	ug/l	100
30) Carbon Tetrachloride	5.13	117	228430	10.736	ug/l	100
31) Isopropyl Ether	3.58	45	575982	13.898	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	469141	12.227	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	393672	11.419	ug/l	100
34) Propionitrile	4.33	54	74861	68.812	ug/l	100
35) Benzene	5.38	78	717821	11.210	ug/l	100
36) 1,2-Dichloroethane	5.40	62	214302	12.177	ug/l	100
37) Trichloroethene	6.18	130	169025	9.466	ug/l	100
38) 1,2-Dichloropropane	6.43	63	197362	11.924	ug/l	100
39) Methacrylonitrile	4.55	41	69155	14.294	ug/l	100
40) Methyl acrylate	4.42	55	95897	13.025	ug/l	100
41) Tetrahydrofuran	4.65	42	68345	25.997	ug/l	100
42) 1-Chlorobutane	5.06	56	375258	12.716	ug/l	100

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43) Dibromomethane	6.56	93	90805	10.821	ug/l	100
44) Bromodichloromethane	6.75	83	234728	11.584	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	633376	71.633	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	88279m	27.237	ug/l	
47) Methyl methacrylate	6.62	69	172059	24.210	ug/l	100
48) Ethyl methacrylate	8.02	69	165583	12.414	ug/l	100
49) Toluene	7.63	92	413099	10.859	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	216216	11.977	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	256878	11.411	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	121973	10.395	ug/l	100
53) 1,3-Dichloropropane	8.24	76	225328	11.289	ug/l	100
54) 2-Hexanone	8.36	43	433611	68.765	ug/l	100
55) Dibromochloromethane	8.47	129	141878	10.157	ug/l	100
56) 1,2-Dibromoethane	8.58	107	112801	10.087	ug/l	100
58) Tetrachloroethene	8.22	164	153840	9.503	ug/l	100
59) Chlorobenzene	9.12	112	441727	10.248	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	148843	9.842	ug/l	100
61) Pentachloroethane	11.10	117	120609	10.245	ug/l	100
62) Hexachloroethane	12.14	117	106402	9.239	ug/l	100
63) Ethyl Benzene	9.25	91	808952	11.262	ug/l	100
64) m/p-Xylenes	9.37	106	589660	21.245	ug/l	100
65) o-Xylene	9.77	106	282515	10.388	ug/l	100
66) Styrene	9.79	104	500798	11.144	ug/l	100
67) Bromoform	9.95	173	79729	10.072	ug/l	100
69) Isopropylbenzene	10.16	105	777179	10.856	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	165356	11.248	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	95074	8.915	ug/l #	100
72) Bromobenzene	10.45	156	175487	9.553	ug/l	100
73) n-propylbenzene	10.58	120	209343	10.438	ug/l	100
74) 2-Chlorotoluene	10.66	126	182097	10.325	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	660815	10.877	ug/l	100
76) 4-Chlorotoluene	10.77	126	185962	10.366	ug/l	100
77) tert-Butylbenzene	11.10	119	615493	10.410	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	665203	10.799	ug/l	100
79) sec-Butylbenzene	11.32	105	840697	10.597	ug/l	100
80) Nitrobenzene	12.86	77	13853m	54.751	ug/l	
81) p-Isopropyltoluene	11.47	119	664674	10.125	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	346436	9.351	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	347125	9.321	ug/l	100
84) n-Butylbenzene	11.89	91	647324	10.478	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	324519	9.396	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	25376	11.987	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	198218	8.195	ug/l	100
88) Hexachlorobutadiene	13.69	225	119271	8.913	ug/l	100
89) Naphthalene	13.74	128	353137	9.306	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	186840	8.475	ug/l	100

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

