

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029836.D
 Acq On : 06 Mar 2019 13:03
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU030719

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 4:50:23 PM

Quant Time: Mar 08 01:36:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	68337	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	24748	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	27598	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	117494	5.138	ug/l	98
3) Chloromethane	1.33	50	153368	7.532	ug/l	100
4) Vinyl Chloride	1.40	62	187871	8.202	ug/l	99
5) Bromomethane	1.62	94	133950	8.563	ug/l	97
6) Chloroethane	1.69	64	123457	8.988	ug/l	95
7) Trichlorofluoromethane	1.88	101	280706	8.993	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	183843	10.124	ug/l	99
9) 1,1-Dichloroethene	2.28	96	178847	10.062	ug/l	99
10) Iodomethane	2.41	142	230688	11.519	ug/l	98
11) Allyl Chloride	2.59	41	245786	9.836	ug/l	100
12) Acrylonitrile	2.93	53	187399	48.351	ug/l	99
13) Acetone	2.32	43	209041	65.121	ug/l	98
14) Carbon Disulfide	2.47	76	537441	9.336	ug/l	99
15) Methylene Chloride	2.69	84	195830	9.181	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	197618	9.842	ug/l	99
17) 1,1-Dichloroethane	3.44	63	343556	10.226	ug/l	99
18) 2-Butanone	4.27	43	255971	58.676	ug/l	99
19) Cyclohexane	4.98	56	289675m	11.105	ug/l	
20) Methylcyclohexane	6.41	83	341408	11.237	ug/l	100
21) 2,2-Dichloropropane	4.22	77	283110	10.309	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	216881	10.191	ug/l	98
23) Diethyl Ether	2.10	59	129675	9.731	ug/l	99
24) tert-Butyl Alcohol	2.83	59	63555	46.233	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	451899	10.096	ug/l	100
26) Bromochloromethane	4.54	128	91149	9.648	ug/l	100
27) Chloroform	4.67	83	346801	10.194	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	299947	10.399	ug/l	100
29) 1,1-Dichloropropene	5.13	75	265781	10.369	ug/l	99
30) Carbon Tetrachloride	5.13	117	266233	10.580	ug/l	97
31) Isopropyl Ether	3.57	45	521806	11.261	ug/l #	1
34) Propionitrile	4.32	54	138757	106.927	ug/l	97
35) Benzene	5.38	78	787770	10.433	ug/l	99
36) 1,2-Dichloroethane	5.40	62	207643	10.068	ug/l	100
37) Trichloroethene	6.18	130	226299	10.265	ug/l	97
38) 1,2-Dichloropropane	6.43	63	198167	10.368	ug/l	100
39) Methacrylonitrile	4.55	41	56182	10.292	ug/l	99
40) Methyl acrylate	4.42	55	90406	10.478	ug/l #	97
41) Tetrahydrofuran	4.64	42	144176	50.498	ug/l	99
42) 1-Chlorobutane	5.06	56	343539	10.490	ug/l	99
43) Dibromomethane	6.56	93	104597	10.559	ug/l	99
44) Bromodichloromethane	6.75	83	250008	10.276	ug/l	99

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45) 4-Methyl-2-Pentanone	7.46	43	543541	52.609	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	42060m	9.737	ug/l	
47) Methyl methacrylate	6.62	69	97915	11.518	ug/l	97
48) Ethyl methacrylate	8.02	69	186197	11.432	ug/l	99
49) Toluene	7.63	92	508312	10.961	ug/l	99
50) t-1,3-Dichloropropene	7.87	75	245475	11.513	ug/l	98
51) cis-1,3-Dichloropropene	7.26	75	295008	11.177	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	152889	10.427	ug/l	98
53) 1,3-Dichloropropane	8.24	76	252075	10.481	ug/l	99
54) 2-Hexanone	8.36	43	417868	58.236	ug/l	100
55) Dibromochloromethane	8.47	129	184623	10.609	ug/l	99
56) 1,2-Dibromoethane	8.59	107	148121	10.653	ug/l	99
58) Tetrachloroethene	8.22	164	216656	9.621	ug/l	99
59) Chlorobenzene	9.12	112	574526	10.780	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	201601	10.545	ug/l	99
61) Pentachloroethane	11.10	117	156640	11.769	ug/l	96
62) Hexachloroethane	12.14	117	163159	11.652	ug/l	98
63) Ethyl Benzene	9.25	91	981003	11.237	ug/l	100
64) m/p-Xylenes	9.37	106	795966	23.063	ug/l	100
65) o-Xylene	9.77	106	380619	11.483	ug/l	100
66) Styrene	9.79	104	614286	11.155	ug/l	100
67) Bromoform	9.95	173	111844	10.942	ug/l	99
69) Isopropylbenzene	10.16	105	1019979	11.604	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	185052	10.348	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	134837m	10.145	ug/l	
72) Bromobenzene	10.45	156	255635	10.988	ug/l	99
73) n-propylbenzene	10.58	120	288955	11.694	ug/l	97
74) 2-Chlorotoluene	10.66	126	240184	10.958	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	863496	11.662	ug/l	100
76) 4-Chlorotoluene	10.77	126	250061	11.188	ug/l	100
77) tert-Butylbenzene	11.10	119	847930	11.574	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	876735	11.717	ug/l	100
79) sec-Butylbenzene	11.32	105	1088466	11.210	ug/l	100
80) Nitrobenzene	12.86	77	3487	10.741	ug/l #	86
81) p-Isopropyltoluene	11.47	119	958703	11.794	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	495909	10.763	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	489867	10.880	ug/l	100
84) n-Butylbenzene	11.89	91	867949	11.719	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	462062	10.635	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	27676	10.839	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	340006	12.220	ug/l	98
88) Hexachlorobutadiene	13.69	225	194950	11.123	ug/l	99
89) Naphthalene	13.74	128	584797	10.817	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	306467	11.724	ug/l	98

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

