

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102919\
 Data File : VU035540.D
 Acq On : 29 Oct 2019 14:44
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda

10/30/2019 10:38:58 AM

Quant Time: Oct 30 05:34:25 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Wed Oct 30 05:08:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.16	96	82434	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	30430	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	33403	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.39	85	437255	14.423	ug/l	100
3) Chloromethane	1.54	50	500062	14.780	ug/l	99
4) Vinyl Chloride	1.62	62	484581	14.741	ug/l	99
5) Bromomethane	1.87	94	243285	12.956	ug/l	99
6) Chloroethane	1.95	64	277190	14.587	ug/l	99
7) Trichlorofluoromethane	2.16	101	590187	14.611	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	316933	14.529	ug/l	99
9) 1,1-Dichloroethene	2.61	96	304681	13.938	ug/l	99
10) Iodomethane	2.75	142	245410	12.947	ug/l	98
11) Allyl Chloride	2.96	41	523363	14.517	ug/l	100
12) Acrylonitrile	3.37	53	155264	32.943	ug/l	97
13) Acetone	2.67	43	375269	94.410	ug/l	98
14) Carbon Disulfide	2.82	76	1084515	14.122	ug/l	99
15) Methylene Chloride	3.08	84	361114	14.014	ug/l	98
16) trans-1,2-Dichloroethene	3.39	96	337993	13.841	ug/l	99
17) 1,1-Dichloroethane	3.92	63	643438	13.866	ug/l	99
18) 2-Butanone	4.78	43	509507	90.893	ug/l	100
19) Cyclohexane	5.43	56	561740m	15.734	ug/l	
20) Methylcyclohexane	6.80	83	579183	15.363	ug/l	100
21) 2,2-Dichloropropane	4.72	77	548334	14.316	ug/l	99
22) cis-1,2-Dichloroethene	4.72	96	387222	14.634	ug/l	100
23) Diethyl Ether	2.41	59	259514	15.586	ug/l	99
24) tert-Butyl Alcohol	3.26	59	268123	117.126	ug/l	98
25) Methyl tert-Butyl Ether	3.43	73	835618	15.681	ug/l	99
26) Bromochloromethane	5.02	128	161650	14.399	ug/l	100
27) Chloroform	5.14	83	642262	13.249	ug/l	98
28) 1,1,1-Trichloroethane	5.36	97	539318	14.211	ug/l	99
29) 1,1-Dichloropropene	5.57	75	485723	14.861	ug/l	99
30) Carbon Tetrachloride	5.56	117	490028	14.414	ug/l	99
31) Isopropyl Ether	4.07	45	972341	14.607	ug/l	99
32) Ethyl-t-butyl ether	4.57	59	915317	15.857	ug/l	99
33) Tert-Amyl methyl ether	6.00	73	813248	16.748	ug/l	100
34) Propionitrile	4.85	54	138193	86.182	ug/l	97
35) Benzene	5.82	78	1430489	14.577	ug/l	99
36) 1,2-Dichloroethane	5.84	62	398754	15.610	ug/l	100
37) Trichloroethene	6.58	130	389355	14.206	ug/l	100
38) 1,2-Dichloropropane	6.83	63	384102	14.705	ug/l	100
39) Methacrylonitrile	5.04	41	116753	17.617	ug/l	99
40) Methyl acrylate	4.91	55	184141	18.209	ug/l	98
41) Tetrahydrofuran	5.13	42	116608	34.415	ug/l #	39
42) 1-Chlorobutane	5.50	56	679254	15.312	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	193230	15.452	ug/l	99
44) Bromodichloromethane	7.15	83	474971	14.957	ug/l	99
45) 4-Methyl-2-Pentanone	7.84	43	1139042	89.228	ug/l	100
46) t-1,4-Dichloro-2-butene	10.86	75	212824m	40.053	ug/l	
47) Methyl methacrylate	7.01	69	358162	35.876	ug/l	97
48) Ethyl methacrylate	8.38	69	339876	18.863	ug/l	99
49) Toluene	8.01	92	895970	15.665	ug/l	99
50) t-1,3-Dichloropropene	8.25	75	465129	17.432	ug/l	100
51) cis-1,3-Dichloropropene	7.65	75	543175	16.445	ug/l	99
52) 1,1,2-Trichloroethane	8.44	97	268786	15.511	ug/l	99
53) 1,3-Dichloropropane	8.61	76	467786	16.098	ug/l	100
54) 2-Hexanone	8.73	43	835555	97.054	ug/l	99
55) Dibromochloromethane	8.84	129	338870	16.077	ug/l	99
56) 1,2-Dibromoethane	8.96	107	261980	16.366	ug/l	99
58) Tetrachloroethene	8.58	164	362226	13.965	ug/l	98
59) Chlorobenzene	9.48	112	1003640	15.635	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	365947	15.341	ug/l	99
61) Pentachloroethane	11.46	117	292753	15.094	ug/l	99
62) Hexachloroethane	12.50	117	273710	15.811	ug/l	99
63) Ethyl Benzene	9.60	91	1713112	16.730	ug/l	100
64) m/p-Xylenes	9.72	106	1355798	32.809	ug/l #	1
65) o-Xylene	10.13	106	641056	16.274	ug/l	100
66) Styrene	10.14	104	1109328	16.800	ug/l	99
67) Bromoform	10.32	173	215169	17.131	ug/l	100
69) Isopropylbenzene	10.51	105	1697925	16.504	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	362420	16.172	ug/l #	65
71) 1,2,3-Trichloropropane	10.86	75	241258m	15.434	ug/l	
72) Bromobenzene	10.81	156	431242	15.373	ug/l	99
73) n-propylbenzene	10.93	120	487519	16.434	ug/l	100
74) 2-Chlorotoluene	11.01	126	423613	15.793	ug/l	100
75) 1,3,5-Trimethylbenzene	11.11	105	1433303	15.712	ug/l	100
76) 4-Chlorotoluene	11.12	126	436790	15.967	ug/l	97
77) tert-Butylbenzene	11.45	119	1417032	15.901	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	1451190	15.751	ug/l	100
79) sec-Butylbenzene	11.67	105	1844383	15.445	ug/l	99
80) Nitrobenzene	13.24	77	36394	79.416	ug/l	95
81) p-Isopropyltoluene	11.82	119	1530627	15.478	ug/l #	67
82) 1,3-Dichlorobenzene	11.77	146	831185	14.411	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	817725	14.281	ug/l	100
84) n-Butylbenzene	12.23	91	1326882	14.727	ug/l	99
85) 1,2-Dichlorobenzene	12.24	146	779719	14.821	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	51656	17.494	ug/l	98
87) 1,2,4-Trichlorobenzene	13.86	180	369681	12.899	ug/l	99
88) Hexachlorobutadiene	14.04	225	269798	12.054	ug/l	99
89) Naphthalene	14.11	128	582623	15.554	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	355214	13.318	ug/l	99

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

