

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031510.D
 Acq On : 25 Apr 2019 20:16
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:22:41 PM

Quant Time: Apr 26 03:51:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 02:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	78953	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	29447	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	25872	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	334115	9.766	ug/l	100
3) Chloromethane	1.32	50	390064	10.601	ug/l	100
4) Vinyl Chloride	1.40	62	377805	10.509	ug/l	100
5) Bromomethane	1.62	94	173819	8.608	ug/l	100
6) Chloroethane	1.70	64	202853	8.491	ug/l	100
7) Trichlorofluoromethane	1.88	101	427093	8.477	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	211055	8.444	ug/l	100
9) 1,1-Dichloroethene	2.28	96	210648	8.436	ug/l	100
10) Iodomethane	2.41	142	260663	7.923	ug/l	100
11) Allyl Chloride	2.59	41	465720	9.390	ug/l	100
12) Acrylonitrile	2.94	53	121785	16.810	ug/l	100
13) Acetone	2.32	43	270749	40.936	ug/l	100
14) Carbon Disulfide	2.47	76	807768	8.726	ug/l	100
15) Methylene Chloride	2.70	84	249990	7.786	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	238878	8.651	ug/l	100
17) 1,1-Dichloroethane	3.44	63	492576	10.692	ug/l	100
18) 2-Butanone	4.27	43	416040	58.180	ug/l	100
19) Cyclohexane	4.99	56	428060m	12.849	ug/l	
20) Methylcyclohexane	6.41	83	363792	11.329	ug/l	100
21) 2,2-Dichloropropane	4.22	77	359721	10.227	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	262716	10.522	ug/l	100
23) Diethyl Ether	2.10	59	206047	8.833	ug/l	100
24) tert-Butyl Alcohol	2.85	59	209444	85.058	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	637641	8.771	ug/l	100
26) Bromochloromethane	4.54	128	109812	9.763	ug/l	100
27) Chloroform	4.67	83	462566	10.275	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	386651	10.148	ug/l	100
29) 1,1-Dichloropropene	5.13	75	350760	10.930	ug/l	100
30) Carbon Tetrachloride	5.13	117	329692	9.868	ug/l	100
31) Isopropyl Ether	3.57	45	782606	11.465	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	660072	11.508	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	552630	11.332	ug/l	100
34) Propionitrile	4.33	54	113407	57.620	ug/l	100
35) Benzene	5.38	78	1018202	10.764	ug/l	100
36) 1,2-Dichloroethane	5.40	62	316142	10.487	ug/l	100
37) Trichloroethene	6.18	130	240722	9.216	ug/l	100
38) 1,2-Dichloropropane	6.43	63	281582	11.107	ug/l	100
39) Methacrylonitrile	4.54	41	99640	11.268	ug/l	100
40) Methyl acrylate	4.42	55	150069	13.152	ug/l	100
41) Tetrahydrofuran	4.65	42	101707	22.558	ug/l	100
42) 1-Chlorobutane	5.06	56	525536	11.447	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	134913	10.052	ug/l	100
44) Bromodichloromethane	6.75	83	337268	10.372	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	911922	57.455	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	113801m	19.298	ug/l	
47) Methyl methacrylate	6.62	69	248907	22.201	ug/l	100
48) Ethyl methacrylate	8.02	69	219950	11.133	ug/l	100
49) Toluene	7.63	92	576941	11.189	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	294746	10.738	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	353174	10.803	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	175947	9.773	ug/l	100
53) 1,3-Dichloropropane	8.24	76	324075	10.529	ug/l	100
54) 2-Hexanone	8.36	43	627983	58.487	ug/l	100
55) Dibromochloromethane	8.47	129	207216	9.746	ug/l	100
56) 1,2-Dibromoethane	8.58	107	164876	9.870	ug/l	100
58) Tetrachloroethene	8.22	164	229295	10.279	ug/l	100
59) Chlorobenzene	9.12	112	579078	10.211	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	213245	9.998	ug/l	100
61) Pentachloroethane	11.10	117	144694	8.878	ug/l	100
62) Hexachloroethane	12.14	117	152889	9.600	ug/l	100
63) Ethyl Benzene	9.25	91	1042426	11.441	ug/l	100
64) m/p-Xylenes	9.37	106	800245	23.165	ug/l	100
65) o-Xylene	9.77	106	373217	11.257	ug/l	100
66) Styrene	9.79	104	668319	11.889	ug/l	100
67) Bromoform	9.95	173	115836	9.542	ug/l	100
69) Isopropylbenzene	10.16	105	988718	11.156	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	227391	9.729	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	166961m	9.923	ug/l	
72) Bromobenzene	10.45	156	236382	10.166	ug/l	100
73) n-propylbenzene	10.58	120	269498	11.415	ug/l	100
74) 2-Chlorotoluene	10.66	126	239947	11.034	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	881966	11.696	ug/l	100
76) 4-Chlorotoluene	10.77	126	246379	11.207	ug/l	100
77) tert-Butylbenzene	11.10	119	780299	10.715	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	895299	11.808	ug/l	100
79) sec-Butylbenzene	11.32	105	1102318	11.163	ug/l	100
80) Nitrobenzene	12.86	77	34708	46.904	ug/l	100
81) p-Isopropyltoluene	11.47	119	885784	11.213	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	461823	10.040	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	460894	10.380	ug/l	100
84) n-Butylbenzene	11.89	91	868319	11.353	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	423947	9.869	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	35329	10.663	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	252279	9.803	ug/l	100
88) Hexachlorobutadiene	13.69	225	154947	8.895	ug/l	100
89) Naphthalene	13.74	128	461614	10.729	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	251192	9.724	ug/l	100

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

