

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041519\
 Data File : VU031202.D
 Acq On : 15 Apr 2019 22:47
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:33 PM

Quant Time: Apr 16 04:36:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	34482	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	12809	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12749	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	225850	16.149	ug/l	99
3) Chloromethane	1.32	50	235967	14.278	ug/l	99
4) Vinyl Chloride	1.40	62	231685	14.691	ug/l	99
5) Bromomethane	1.63	94	138592	17.785	ug/l	99
6) Chloroethane	1.70	64	154343	16.824	ug/l	100
7) Trichlorofluoromethane	1.88	101	344337	18.312	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	176068	18.595	ug/l	99
9) 1,1-Dichloroethene	2.28	96	173165	18.455	ug/l	95
10) Iodomethane	2.41	142	261494	21.412	ug/l	100
11) Allyl Chloride	2.59	41	334737	16.674	ug/l	100
12) Acrylonitrile	2.94	53	93142	30.529	ug/l	98
13) Acetone	2.33	43	207642	74.193	ug/l	99
14) Carbon Disulfide	2.48	76	647479	18.782	ug/l	100
15) Methylene Chloride	2.70	84	195145	15.248	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	182125	17.158	ug/l	98
17) 1,1-Dichloroethane	3.44	63	280889	13.520	ug/l	99
18) 2-Butanone	4.27	43	237860	66.684	ug/l	100
19) Cyclohexane	4.99	56	217712	12.991	ug/l	99
20) Methylcyclohexane	6.41	83	237156	16.308	ug/l	98
21) 2,2-Dichloropropane	4.22	77	222095	13.839	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	161311	15.052	ug/l	98
23) Diethyl Ether	2.10	59	158186	16.752	ug/l	99
24) tert-Butyl Alcohol	2.86	59	165206	149.769	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	495515	16.890	ug/l	100
26) Bromochloromethane	4.54	128	72275	15.570	ug/l	100
27) Chloroform	4.67	83	280152	14.237	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	242428	14.964	ug/l	100
29) 1,1-Dichloropropene	5.13	75	213947	15.078	ug/l	100
30) Carbon Tetrachloride	5.13	117	216374	15.294	ug/l	99
31) Isopropyl Ether	3.57	45	436091	12.921	ug/l	96
32) Ethyl-t-butyl ether	4.06	59	394842	14.396	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	362312	15.708	ug/l	99
34) Propionitrile	4.33	54	67899	76.584	ug/l #	96
35) Benzene	5.38	78	615457	14.611	ug/l	100
36) 1,2-Dichloroethane	5.40	62	191831	14.317	ug/l	99
37) Trichloroethene	6.18	130	160211	15.627	ug/l	93
38) 1,2-Dichloropropane	6.43	63	163587	13.618	ug/l	100
39) Methacrylonitrile	4.54	41	60708	13.847	ug/l	99
40) Methyl acrylate	4.42	55	91617	17.005	ug/l	98
41) Tetrahydrofuran	4.65	42	64151	27.190	ug/l	99
42) 1-Chlorobutane	5.06	56	309705	14.369	ug/l	99

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43) Dibromomethane	6.56	93	86594	15.367	ug/l	99
44) Bromodichloromethane	6.75	83	209907	14.261	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	576267	71.899	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	94665m	34.309	ug/l	
47) Methyl methacrylate	6.62	69	171241	33.337	ug/l	99
48) Ethyl methacrylate	8.02	69	165191	17.169	ug/l	98
49) Toluene	7.63	92	367922	16.007	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	199207	15.786	ug/l	98
51) cis-1,3-Dichloropropene	7.26	75	229021	15.101	ug/l	97
52) 1,1,2-Trichloroethane	8.06	97	115855	14.412	ug/l	98
53) 1,3-Dichloropropane	8.24	76	205391	14.596	ug/l	98
54) 2-Hexanone	8.36	43	405099	76.191	ug/l	99
55) Dibromochloromethane	8.47	129	142047	15.550	ug/l	99
56) 1,2-Dibromoethane	8.58	107	112395	15.491	ug/l	97
58) Tetrachloroethene	8.22	164	149128	16.368	ug/l	97
59) Chlorobenzene	9.12	112	389473	15.496	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	142581	15.034	ug/l	99
61) Pentachloroethane	11.10	117	103676	14.268	ug/l	93
62) Hexachloroethane	12.14	117	106539	15.429	ug/l	100
63) Ethyl Benzene	9.24	91	691822	16.621	ug/l	99
64) m/p-Xylenes	9.37	106	528417	34.725	ug/l	100
65) o-Xylene	9.77	106	247305	16.723	ug/l	99
66) Styrene	9.79	104	443262	17.359	ug/l	99
67) Bromoform	9.95	173	84434	16.082	ug/l	99
69) Isopropylbenzene	10.16	105	670864	17.001	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	150336	14.220	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	103300m	12.851	ug/l	
72) Bromobenzene	10.45	156	164407	16.481	ug/l	99
73) n-propylbenzene	10.58	120	184296	17.508	ug/l	98
74) 2-Chlorotoluene	10.66	126	159467	16.601	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	580148	17.356	ug/l	98
76) 4-Chlorotoluene	10.77	126	165763	16.908	ug/l	99
77) tert-Butylbenzene	11.10	119	543628	16.690	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	589097	17.300	ug/l	100
79) sec-Butylbenzene	11.32	105	743698	16.802	ug/l	99
80) Nitrobenzene	12.86	77	30299	96.296	ug/l #	95
81) p-Isopropyltoluene	11.47	119	611081	17.607	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	318484	16.121	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	314830	16.123	ug/l	99
84) n-Butylbenzene	11.88	91	599040	17.173	ug/l	98
85) 1,2-Dichlorobenzene	11.87	146	294916	15.707	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24567	14.883	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	211141	18.828	ug/l	99
88) Hexachlorobutadiene	13.69	225	118998	17.680	ug/l	98
89) Naphthalene	13.74	128	404792	20.491	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	203362	18.234	ug/l	99

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

