

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072319\
 Data File : VU033368.D
 Acq On : 23 Jul 2019 08:54
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 11:05:53 AM

Quant Time: Jul 24 02:33:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 03:43:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.72	96	32747	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	14826	1.15	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13425	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.20	85	135620	10.014	ug/l	98
3) Chloromethane	1.32	50	133762	8.948	ug/l	98
4) Vinyl Chloride	1.40	62	155037	9.295	ug/l	100
5) Bromomethane	1.62	94	95796	9.123	ug/l	100
6) Chloroethane	1.69	64	96931	8.275	ug/l	99
7) Trichlorofluoromethane	1.88	101	216574	9.456	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112569	9.528	ug/l	99
9) 1,1-Dichloroethene	2.27	96	110089	9.461	ug/l	99
10) Iodomethane	2.40	142	143720	9.190	ug/l	99
11) Allyl Chloride	2.58	41	175489	9.139	ug/l	99
12) Acrylonitrile	2.92	53	52410	16.135	ug/l	99
13) Acetone	2.31	43	134061	48.375	ug/l	100
14) Carbon Disulfide	2.46	76	410603	9.287	ug/l	99
15) Methylene Chloride	2.68	84	129907	8.278	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	123694	8.951	ug/l	98
17) 1,1-Dichloroethane	3.42	63	184010	9.922	ug/l	99
18) 2-Butanone	4.25	43	136430	51.578	ug/l	96
19) Cyclohexane	4.97	56	148983m	10.946	ug/l	
20) Methylcyclohexane	6.39	83	161615	11.795	ug/l	98
21) 2,2-Dichloropropane	4.20	77	163788	10.423	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	105284	10.054	ug/l	99
23) Diethyl Ether	2.09	59	90175	8.990	ug/l	98
24) tert-Butyl Alcohol	2.82	59	99392	79.927	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	298627	8.913	ug/l	98
26) Bromochloromethane	4.52	128	43614	9.471	ug/l	99
27) Chloroform	4.65	83	188565	8.897	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	160177	9.761	ug/l	99
29) 1,1-Dichloropropene	5.11	75	141959	10.489	ug/l	99
30) Carbon Tetrachloride	5.11	117	145438	10.070	ug/l	98
31) Isopropyl Ether	3.56	45	240848	10.275	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	234693	10.415	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	216892	10.703	ug/l	100
34) Propionitrile	4.31	54	35450	46.719	ug/l #	96
35) Benzene	5.36	78	403375	10.315	ug/l	100
36) 1,2-Dichloroethane	5.38	62	123991	9.527	ug/l	99
37) Trichloroethene	6.16	130	106935	10.361	ug/l	99
38) 1,2-Dichloropropane	6.41	63	106549	9.875	ug/l	100
39) Methacrylonitrile	4.52	41	29486	9.790	ug/l	95
40) Methyl acrylate	4.40	55	49658	10.597	ug/l	97
41) Tetrahydrofuran	4.63	42	29330	19.420	ug/l	97
42) 1-Chlorobutane	5.04	56	186023	10.251	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	57776	9.672	ug/l	100
44) Bromodichloromethane	6.74	83	139033	9.654	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	308090	50.573	ug/l	100
46) t-1,4-Dichloro-2-butene	10.50	75	57310m	23.310	ug/l	
47) Methyl methacrylate	6.61	69	94766	20.815	ug/l	99
48) Ethyl methacrylate	8.00	69	88278	11.001	ug/l	99
49) Toluene	7.62	92	253388	11.311	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	129153	10.751	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	152103	10.724	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	74959	9.390	ug/l	96
53) 1,3-Dichloropropane	8.22	76	134671	9.983	ug/l	100
54) 2-Hexanone	8.35	43	229586	53.537	ug/l	99
55) Dibromochloromethane	8.46	129	94777	10.164	ug/l	98
56) 1,2-Dibromoethane	8.57	107	71782	9.647	ug/l	99
58) Tetrachloroethene	8.21	164	99641	10.646	ug/l	99
59) Chlorobenzene	9.10	112	280372	10.917	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	100172	10.271	ug/l	98
61) Pentachloroethane	11.09	117	80384	10.043	ug/l	99
62) Hexachloroethane	12.13	117	81254	10.492	ug/l	98
63) Ethyl Benzene	9.23	91	487612	11.824	ug/l	99
64) m/p-Xylenes	9.36	106	393583	23.870	ug/l	97
65) o-Xylene	9.76	106	184273	11.663	ug/l	98
66) Styrene	9.78	104	318315	11.876	ug/l	100
67) Bromoform	9.94	173	53033	10.508	ug/l	98
69) Isopropylbenzene	10.15	105	479799	11.843	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	100563	9.505	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	69055m	8.454	ug/l	
72) Bromobenzene	10.44	156	116751	10.909	ug/l	100
73) n-propylbenzene	10.57	120	141284	12.234	ug/l	99
74) 2-Chlorotoluene	10.65	126	122496	11.619	ug/l	99
75) 1,3,5-Trimethylbenzene	10.76	105	439718	12.089	ug/l	100
76) 4-Chlorotoluene	10.76	126	129851	11.821	ug/l	97
77) tert-Butylbenzene	11.09	119	402318	11.671	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	456379	12.275	ug/l	100
79) sec-Butylbenzene	11.31	105	563481	11.876	ug/l	100
80) Nitrobenzene	12.85	77	15668	35.628	ug/l #	95
81) p-Isopropyltoluene	11.46	119	473453	12.273	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	244355	10.742	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	249954	11.107	ug/l	99
84) n-Butylbenzene	11.87	91	484317	12.269	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	225483	10.572	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	16348	9.823	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	149725	11.799	ug/l	99
88) Hexachlorobutadiene	13.68	225	85267	10.894	ug/l	97
89) Naphthalene	13.73	128	262968	9.184	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	139790	11.350	ug/l	98

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

