

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U031020\
 Data File : VU037151.D
 Acq On : 10 Mar 2020 14:08
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

sam
 3/11/2020 3:32:27 PM

Quant Time: Mar 10 14:48:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.15	96	16033	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	6859	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6615	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	79412	10.146	ug/l	98
3) Chloromethane	1.54	50	84629	10.876	ug/l	99
4) Vinyl Chloride	1.62	62	70351	10.286	ug/l	98
5) Bromomethane	1.87	94	25289	10.601	ug/l	98
6) Chloroethane	1.95	64	32867	10.030	ug/l	98
7) Trichlorofluoromethane	2.16	101	86433	10.399	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39850	10.220	ug/l #	93
9) 1,1-Dichloroethene	2.60	96	37864	10.212	ug/l	79
10) Iodomethane	2.75	142	22062	10.708	ug/l #	73
11) Allyl Chloride	2.95	41	72082	10.028	ug/l #	64
12) Acrylonitrile	3.36	53	18328	20.899	ug/l	92
13) Acetone	2.66	43	50399	51.705	ug/l #	77
14) Carbon Disulfide	2.82	76	124535	10.085	ug/l	100
15) Methylene Chloride	3.08	84	43799	9.409	ug/l #	76
16) trans-1,2-Dichloroethene	3.38	96	39643	10.068	ug/l	88
17) 1,1-Dichloroethane	3.91	63	89438	9.798	ug/l	98
18) 2-Butanone	4.76	43	74268	49.848	ug/l	98
19) Cyclohexane	5.42	56	80606m	10.369	ug/l	
20) Methylcyclohexane	6.79	83	80885	10.534	ug/l #	88
21) 2,2-Dichloropropane	4.71	77	84064	10.093	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	50588	10.373	ug/l	85
23) Diethyl Ether	2.40	59	31845	10.140	ug/l	88
24) tert-Butyl Alcohol	3.23	59	38074	110.876	ug/l	99
25) Methyl tert-Butyl Ether	3.41	73	110985	10.216	ug/l #	72
26) Bromochloromethane	5.02	128	22487	10.476	ug/l	82
27) Chloroform	5.13	83	96283	9.795	ug/l	100
28) 1,1,1-Trichloroethane	5.35	97	85764	10.235	ug/l	96
29) 1,1-Dichloropropene	5.56	75	69824	10.254	ug/l	97
30) Carbon Tetrachloride	5.56	117	75521	10.299	ug/l	97
31) Isopropyl Ether	4.05	45	145384	9.977	ug/l	85
32) Ethyl-t-butyl ether	4.56	59	137959	10.028	ug/l	94
33) Tert-Amyl methyl ether	5.98	73	121793	10.316	ug/l	99
34) Propionitrile	4.83	54	21793	55.613	ug/l #	96
35) Benzene	5.81	78	196947	10.181	ug/l	100
36) 1,2-Dichloroethane	5.83	62	68905	9.826	ug/l #	93
37) Trichloroethene	6.57	130	49573	9.766	ug/l	88
38) 1,2-Dichloropropane	6.83	63	52726	9.930	ug/l	100
39) Methacrylonitrile	5.02	41	19717	10.429	ug/l #	84
40) Methyl acrylate	4.89	55	26835	10.264	ug/l #	93
41) Tetrahydrofuran	5.11	42	18866	20.000	ug/l #	85
42) 1-Chlorobutane	5.49	56	100118	10.208	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	28395	10.433	ug/l	89
44) Bromodichloromethane	7.14	83	72568	10.242	ug/l	100
45) 4-Methyl-2-Pentanone	7.83	43	188918	51.763	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	21909m	21.932	ug/l	
47) Methyl methacrylate	7.00	69	50284	22.355	ug/l #	68
48) Ethyl methacrylate	8.36	69	48334	10.876	ug/l	74
49) Toluene	8.00	92	124938	10.695	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	68380	10.713	ug/l	99
51) cis-1,3-Dichloropropene	7.64	75	74084	10.162	ug/l #	81
52) 1,1,2-Trichloroethane	8.43	97	38033	10.475	ug/l	98
53) 1,3-Dichloropropane	8.60	76	66297	10.294	ug/l	99
54) 2-Hexanone	8.71	43	135023	53.703	ug/l	86
55) Dibromochloromethane	8.83	129	47879	10.653	ug/l	98
56) 1,2-Dibromoethane	8.95	107	36208	10.530	ug/l	99
58) Tetrachloroethene	8.58	164	47900	10.055	ug/l	94
59) Chlorobenzene	9.47	112	134516	10.317	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	48924	10.251	ug/l	96
61) Pentachloroethane	11.45	117	38409	10.549	ug/l	91
62) Hexachloroethane	12.49	117	41062	10.535	ug/l	84
63) Ethyl Benzene	9.59	91	244102	10.968	ug/l	96
64) m/p-Xylenes	9.71	106	188151	22.332	ug/l	88
65) o-Xylene	10.12	106	88476	10.884	ug/l	90
66) Styrene	10.13	104	154177	11.587	ug/l	95
67) Bromoform	10.31	173	26394	11.126	ug/l #	98
69) Isopropylbenzene	10.50	105	244358	11.027	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	50423	10.558	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	39272m	10.058	ug/l	
72) Bromobenzene	10.80	156	55948	10.434	ug/l	91
73) n-propylbenzene	10.92	120	67051	11.415	ug/l	79
74) 2-Chlorotoluene	11.01	126	58041	10.917	ug/l	86
75) 1,3,5-Trimethylbenzene	11.10	105	219901	11.462	ug/l	95
76) 4-Chlorotoluene	11.11	126	61013	11.399	ug/l	82
77) tert-Butylbenzene	11.44	119	201393	10.768	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	222310	11.479	ug/l	96
79) sec-Butylbenzene	11.66	105	281885	11.077	ug/l	98
80) Nitrobenzene	13.24	77	5332	51.006	ug/l	95
81) p-Isopropyltoluene	11.81	119	230506	11.492	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	113858	10.717	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	113474	10.543	ug/l	98
84) n-Butylbenzene	12.22	91	219790	11.568	ug/l	97
85) 1,2-Dichlorobenzene	12.23	146	106527	10.363	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9045	10.731	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.87	180	57763	11.179	ug/l	98
88) Hexachlorobutadiene	14.05	225	33263	10.402	ug/l	99
89) Naphthalene	14.12	128	103749	9.923	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	56012	11.138	ug/l	98

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

