

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037143.D
 Acq On : 10 Mar 2020 09:41
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

sam

3/11/2020 3:32:03 PM

Quant Time: Mar 10 12:12:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Mar 10 12:09:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.15	96	16118	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	7609	1.22	ug/l	0.00
Spiked Amount 1.000			Recovery	=	122.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6363	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	79191	10.064	ug/l	97
3) Chloromethane	1.54	50	73394	9.382	ug/l	100
4) Vinyl Chloride	1.62	62	68203	9.919	ug/l	98
5) Bromomethane	1.87	94	22705	9.468	ug/l	99
6) Chloroethane	1.95	64	31699	9.622	ug/l	99
7) Trichlorofluoromethane	2.16	101	85220	10.199	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	40617	10.361	ug/l	94
9) 1,1-Dichloroethene	2.60	96	38648	10.369	ug/l	78
10) Iodomethane	2.75	142	30531	13.744	ug/l #	75
11) Allyl Chloride	2.95	41	73237	10.135	ug/l #	64
12) Acrylonitrile	3.36	53	21437	24.315	ug/l	97
13) Acetone	2.67	43	52724	53.805	ug/l #	80
14) Carbon Disulfide	2.82	76	125955	10.146	ug/l	99
15) Methylene Chloride	3.08	84	43009	9.191	ug/l #	79
16) trans-1,2-Dichloroethene	3.38	96	41251	10.421	ug/l	87
17) 1,1-Dichloroethane	3.91	63	92128	10.039	ug/l	98
18) 2-Butanone	4.77	43	80940	54.040	ug/l	97
19) Cyclohexane	5.42	56	82160m	10.513	ug/l	
20) Methylcyclohexane	6.79	83	81160	10.514	ug/l #	88
21) 2,2-Dichloropropane	4.71	77	85342	10.192	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	51587	10.522	ug/l	84
23) Diethyl Ether	2.40	59	32973	10.443	ug/l	89
24) tert-Butyl Alcohol	3.27	59	39789	115.259	ug/l	98
25) Methyl tert-Butyl Ether	3.41	73	115483	10.574	ug/l #	73
26) Bromochloromethane	5.02	128	22644	10.494	ug/l	83
27) Chloroform	5.13	83	96796	9.795	ug/l	99
28) 1,1,1-Trichloroethane	5.35	97	85476	10.146	ug/l	95
29) 1,1-Dichloropropene	5.56	75	72081	10.530	ug/l	97
30) Carbon Tetrachloride	5.56	117	76761	10.413	ug/l	99
31) Isopropyl Ether	4.05	45	149412	10.199	ug/l	86
32) Ethyl-t-butyl ether	4.56	59	143622	10.385	ug/l	94
33) Tert-Amyl methyl ether	5.98	73	125058	10.537	ug/l	99
34) Propionitrile	4.84	54	23219	58.940	ug/l #	96
35) Benzene	5.81	78	198088	10.186	ug/l	98
36) 1,2-Dichloroethane	5.83	62	71273	10.110	ug/l #	92
37) Trichloroethene	6.57	130	51951	10.181	ug/l	97
38) 1,2-Dichloropropane	6.83	63	55121	10.326	ug/l	99
39) Methacrylonitrile	5.02	41	20200	10.628	ug/l #	85
40) Methyl acrylate	4.90	55	29501	11.224	ug/l #	94
41) Tetrahydrofuran	5.11	42	20715	21.845	ug/l #	85
42) 1-Chlorobutane	5.49	56	103287	10.475	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.95	93	30071	10.991	ug/l	89
44) Bromodichloromethane	7.14	83	74401	10.445	ug/l	100
45) 4-Methyl-2-Pentanone	7.83	43	200720	54.707	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	24603m	24.499	ug/l	
47) Methyl methacrylate	7.00	69	52354	23.152	ug/l #	67
48) Ethyl methacrylate	8.36	69	49510	11.082	ug/l	71
49) Toluene	8.00	92	124196	10.576	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	69664	10.856	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	77511	10.576	ug/l #	79
52) 1,1,2-Trichloroethane	8.43	97	39261	10.756	ug/l	99
53) 1,3-Dichloropropane	8.60	76	67462	10.420	ug/l	100
54) 2-Hexanone	8.72	43	144230	57.062	ug/l	87
55) Dibromochloromethane	8.83	129	48702	10.779	ug/l	99
56) 1,2-Dibromoethane	8.95	107	37917	10.969	ug/l	98
58) Tetrachloroethene	8.58	164	48462	10.119	ug/l	93
59) Chlorobenzene	9.47	112	134560	10.266	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	49494	10.316	ug/l	97
61) Pentachloroethane	11.45	117	37134	10.145	ug/l	94
62) Hexachloroethane	12.49	117	41641	10.627	ug/l	83
63) Ethyl Benzene	9.59	91	243089	10.865	ug/l	95
64) m/p-Xylenes	9.72	106	186345	22.001	ug/l	90
65) o-Xylene	10.12	106	88796	10.865	ug/l	90
66) Styrene	10.13	104	152081	11.369	ug/l	95
67) Bromoform	10.31	173	26664	11.180	ug/l #	97
69) Isopropylbenzene	10.50	105	241471	10.840	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	51886	10.807	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	47213m	12.028	ug/l	
72) Bromobenzene	10.80	156	55389	10.276	ug/l	89
73) n-propylbenzene	10.92	120	67118	11.366	ug/l	81
74) 2-Chlorotoluene	11.01	126	58246	10.897	ug/l	89
75) 1,3,5-Trimethylbenzene	11.10	105	214585	11.126	ug/l	95
76) 4-Chlorotoluene	11.11	126	60297	11.206	ug/l	80
77) tert-Butylbenzene	11.44	119	199237	10.597	ug/l	92
78) 1,2,4-Trimethylbenzene	11.48	105	222922	11.450	ug/l	94
79) sec-Butylbenzene	11.66	105	278390	10.882	ug/l	99
80) Nitrobenzene	13.24	77	5068	48.225	ug/l	91
81) p-Isopropyltoluene	11.81	119	229656	11.390	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	112597	10.543	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	113888	10.525	ug/l	98
84) n-Butylbenzene	12.22	91	222313	11.639	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	108238	10.473	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9664	11.405	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.88	180	61565	11.852	ug/l	97
88) Hexachlorobutadiene	14.06	225	33451	10.406	ug/l	100
89) Naphthalene	14.12	128	111261	10.482	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	59796	11.828	ug/l	98

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

