

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050520\
 Data File : VU038015.D
 Acq On : 05 May 2020 14:15
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 5/6/2020 10:39:40 AM

Quant Time: May 06 01:21:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:20:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.15	96	89059	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	33062	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	31562	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.39	85	291649	9.648	ug/l	99
3) Chloromethane	1.54	50	330728	9.240	ug/l	99
4) Vinyl Chloride	1.62	62	343541	9.637	ug/l	99
5) Bromomethane	1.87	94	171703	8.027	ug/l	97
6) Chloroethane	1.95	64	203825	9.571	ug/l	99
7) Trichlorofluoromethane	2.16	101	362466	9.754	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	226136	9.761	ug/l	99
9) 1,1-Dichloroethene	2.60	96	223934	9.627	ug/l	99
10) Iodomethane	2.75	142	207288	9.358	ug/l	100
11) Allyl Chloride	2.95	41	418191	9.691	ug/l	99
12) Acrylonitrile	3.35	53	117108	18.417	ug/l	97
13) Acetone	2.65	43	249332	49.021	ug/l	99
14) Carbon Disulfide	2.82	76	799309	9.411	ug/l	100
15) Methylene Chloride	3.07	84	279414	10.301	ug/l	98
16) trans-1,2-Dichloroethene	3.38	96	246436	9.682	ug/l	99
17) 1,1-Dichloroethane	3.91	63	465042	9.633	ug/l	98
18) 2-Butanone	4.75	43	359692	47.164	ug/l	100
19) Cyclohexane	5.42	56	451207m	9.638	ug/l	
20) Methylcyclohexane	6.79	83	459056	10.004	ug/l	100
21) 2,2-Dichloropropane	4.70	77	393560	9.754	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	268117	9.964	ug/l	100
23) Diethyl Ether	2.40	59	202039	9.904	ug/l	98
24) tert-Butyl Alcohol	3.23	59	179360	79.226	ug/l	98
25) Methyl tert-Butyl Ether	3.40	73	609751	9.567	ug/l	100
26) Bromochloromethane	5.01	128	103208	9.530	ug/l	98
27) Chloroform	5.13	83	437174	9.656	ug/l	97
28) 1,1,1-Trichloroethane	5.35	97	366671	9.828	ug/l	100
29) 1,1-Dichloropropene	5.56	75	363645	9.684	ug/l	100
30) Carbon Tetrachloride	5.56	117	300058	9.612	ug/l	97
31) Isopropyl Ether	4.04	45	768546	9.674	ug/l	100
32) Ethyl-t-butyl ether	4.55	59	679776	9.476	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	585121	9.464	ug/l	99
34) Propionitrile	4.82	54	95529	43.752	ug/l	99
35) Benzene	5.81	78	1024334	9.748	ug/l	99
36) 1,2-Dichloroethane	5.83	62	300083	9.653	ug/l	100
37) Trichloroethene	6.57	130	256933	9.313	ug/l	97
38) 1,2-Dichloropropane	6.82	63	274270	9.700	ug/l	98
39) Methacrylonitrile	5.02	41	93296	9.122	ug/l	99
40) Methyl acrylate	4.89	55	144453	9.585	ug/l	99
41) Tetrahydrofuran	5.10	42	89520	17.548	ug/l	99
42) 1-Chlorobutane	5.49	56	529707	9.791	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	125793	9.550	ug/l	99
44) Bromodichloromethane	7.13	83	329628	9.963	ug/l	100
45) 4-Methyl-2-Pentanone	7.82	43	846040	47.129	ug/l	100
46) t-1,4-Dichloro-2-butene	10.85	75	90957m	16.386	ug/l	
47) Methyl methacrylate	6.99	69	256256	19.131	ug/l	99
48) Ethyl methacrylate	8.36	69	240664	9.705	ug/l	99
49) Toluene	7.99	92	657587	9.898	ug/l	100
50) t-1,3-Dichloropropene	8.23	75	325103	9.619	ug/l	99
51) cis-1,3-Dichloropropene	7.63	75	395156	9.735	ug/l	99
52) 1,1,2-Trichloroethane	8.42	97	175937	9.432	ug/l	99
53) 1,3-Dichloropropane	8.60	76	339409	9.693	ug/l	99
54) 2-Hexanone	8.71	43	586222	46.265	ug/l	100
55) Dibromochloromethane	8.84	129	199963	9.675	ug/l	100
56) 1,2-Dibromoethane	8.95	107	165129	9.385	ug/l	99
58) Tetrachloroethene	8.57	164	247615	9.616	ug/l	100
59) Chlorobenzene	9.47	112	683704	9.693	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	206434	9.640	ug/l	99
61) Pentachloroethane	11.44	117	154953	9.660	ug/l	98
62) Hexachloroethane	12.49	117	151602	9.080	ug/l	98
63) Ethyl Benzene	9.59	91	1243188	9.906	ug/l	99
64) m/p-Xylenes	9.71	106	969099	20.063	ug/l	100
65) o-Xylene	10.12	106	466534	9.909	ug/l	99
66) Styrene	10.13	104	784457	10.112	ug/l	100
67) Bromoform	10.31	173	104493	9.613	ug/l	97
69) Isopropylbenzene	10.50	105	1218176	9.909	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.80	83	228673	9.567	ug/l	97
71) 1,2,3-Trichloropropane	10.84	75	168104m	9.510	ug/l	
72) Bromobenzene	10.80	156	263476	9.594	ug/l	98
73) n-propylbenzene	10.92	120	333467	9.885	ug/l	95
74) 2-Chlorotoluene	11.00	126	277543	9.801	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	1019736	10.021	ug/l	100
76) 4-Chlorotoluene	11.11	126	288103	9.796	ug/l	98
77) tert-Butylbenzene	11.44	119	949654	9.805	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	1045749	9.981	ug/l	100
79) sec-Butylbenzene	11.66	105	1379165	9.941	ug/l	100
80) Nitrobenzene	13.23	77	27368	38.622	ug/l	98
81) p-Isopropyltoluene	11.81	119	1118273	9.987	ug/l	99
82) 1,3-Dichlorobenzene	11.76	146	544614	9.578	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	542703	9.428	ug/l	100
84) n-Butylbenzene	12.22	91	1141373	10.210	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	507231	9.584	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	33616	8.932	ug/l	96
87) 1,2,4-Trichlorobenzene	13.87	180	361599	9.345	ug/l	98
88) Hexachlorobutadiene	14.06	225	154274	8.917	ug/l	98
89) Naphthalene	14.12	128	701217	9.424	ug/l	100
90) 1,2,3-Trichlorobenzene	14.37	180	322345	9.350	ug/l	99

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

