

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U073020\
 Data File : VU039727.D
 Acq On : 30 Jul 2020 18:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda

8/12/2020 6:35:21 PM

Quant Time: Jul 31 07:31:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 13:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.13	96	21675	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	8080	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	8341	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.39	85	72153	9.580	ug/l	98
3) Chloromethane	1.53	50	91722	9.803	ug/l	100
4) Vinyl Chloride	1.61	62	86694	10.054	ug/l	99
5) Bromomethane	1.86	94	56091	9.511	ug/l	96
6) Chloroethane	1.94	64	73005	12.202	ug/l	99
7) Trichlorofluoromethane	2.15	101	118680	10.406	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	65401	9.992	ug/l	99
9) 1,1-Dichloroethene	2.59	96	60419	10.032	ug/l	99
10) Iodomethane	2.73	142	80441	13.243	ug/l	100
11) Allyl Chloride	2.93	41	129506	9.969	ug/l	100
12) Acrylonitrile	3.34	53	44571	21.085	ug/l	95
13) Acetone	2.66	43	95312	47.920	ug/l	97
14) Carbon Disulfide	2.80	76	220039	9.963	ug/l	99
15) Methylene Chloride	3.06	84	82893	9.874	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	69064	10.087	ug/l	98
17) 1,1-Dichloroethane	3.89	63	150000	9.976	ug/l	99
18) 2-Butanone	4.75	43	160437	47.968	ug/l	99
19) Cyclohexane	5.39	56	135250	9.294	ug/l	95
20) Methylcyclohexane	6.77	83	112764	10.457	ug/l	99
21) 2,2-Dichloropropane	4.68	77	113742	9.274	ug/l	98
22) cis-1,2-Dichloroethene	4.68	96	74292	10.066	ug/l	99
23) Diethyl Ether	2.39	59	62130	10.090	ug/l	97
24) tert-Butyl Alcohol	3.26	59	65585	88.523	ug/l	96
25) Methyl tert-Butyl Ether	3.39	73	199979	10.177	ug/l	100
26) Bromochloromethane	4.99	128	30100	9.968	ug/l	96
27) Chloroform	5.11	83	140145	9.960	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	115564	10.150	ug/l	99
29) 1,1-Dichloropropene	5.54	75	107181	9.776	ug/l	99
30) Carbon Tetrachloride	5.53	117	93070	9.997	ug/l	99
31) Isopropyl Ether	4.02	45	276573	10.086	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	237022	10.157	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	164543	9.780	ug/l	99
34) Propionitrile	4.82	54	45912	55.644	ug/l #	94
35) Benzene	5.79	78	263964	9.733	ug/l	100
36) 1,2-Dichloroethane	5.81	62	97765	9.616	ug/l	100
37) Trichloroethene	6.55	130	61384	9.893	ug/l	96
38) 1,2-Dichloropropane	6.81	63	77454	10.362	ug/l	100
39) Methacrylonitrile	5.00	41	40330	9.275	ug/l	99
40) Methyl acrylate	4.87	55	59673	10.642	ug/l	98
41) Tetrahydrofuran	5.09	42	43065	19.685	ug/l	97
42) 1-Chlorobutane	5.47	56	173524	10.084	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	39384	9.791	ug/l	100
44) Bromodichloromethane	7.12	83	92562	10.037	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	313017	51.372	ug/l	99
46) t-1,4-Dichloro-2-butene	10.84	75	30468m	16.812	ug/l	
47) Methyl methacrylate	6.98	69	78298	20.870	ug/l	98
48) Ethyl methacrylate	8.35	69	72065	10.436	ug/l	98
49) Toluene	7.98	92	165978	10.282	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	84877	10.218	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	98226	10.061	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	52590	10.063	ug/l	98
53) 1,3-Dichloropropane	8.58	76	99723	9.938	ug/l	99
54) 2-Hexanone	8.70	43	226866	52.003	ug/l	99
55) Dibromochloromethane	8.82	129	56901	10.139	ug/l	99
56) 1,2-Dibromoethane	8.93	107	51530	10.233	ug/l	99
58) Tetrachloroethene	8.56	164	54403	10.015	ug/l	96
59) Chlorobenzene	9.45	112	168406	10.088	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	57106	10.146	ug/l	99
61) Pentachloroethane	11.43	117	48120	9.731	ug/l	98
62) Hexachloroethane	12.47	117	45515	10.042	ug/l	100
63) Ethyl Benzene	9.57	91	314688	10.519	ug/l	100
64) m/p-Xylenes	9.70	106	250885	21.465	ug/l	98
65) o-Xylene	10.10	106	117027	10.546	ug/l	97
66) Styrene	10.11	104	205029	10.781	ug/l	100
67) Bromoform	10.29	173	29693	10.372	ug/l	97
69) Isopropylbenzene	10.48	105	306736	10.349	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	74280	9.874	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	67974m	11.994	ug/l	
72) Bromobenzene	10.78	156	66074	9.816	ug/l	97
73) n-propylbenzene	10.91	120	85626	10.275	ug/l	97
74) 2-Chlorotoluene	10.99	126	70777	10.053	ug/l	98
75) 1,3,5-Trimethylbenzene	11.09	105	271869	10.610	ug/l	99
76) 4-Chlorotoluene	11.10	126	76471	10.487	ug/l	96
77) tert-Butylbenzene	11.42	119	252743	10.282	ug/l	100
78) 1,2,4-Trimethylbenzene	11.47	105	282865	10.764	ug/l	100
79) sec-Butylbenzene	11.64	105	358736	10.253	ug/l	99
80) Nitrobenzene	13.20	77	6297	49.464	ug/l	96
81) p-Isopropyltoluene	11.79	119	294158	10.432	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	140177	9.675	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	142213	9.758	ug/l	99
84) n-Butylbenzene	12.20	91	303969	10.149	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	134904	9.660	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	12701	10.022	ug/l	98
87) 1,2,4-Trichlorobenzene	13.83	180	82778	9.478	ug/l	99
88) Hexachlorobutadiene	14.01	225	37095	9.352	ug/l	99
89) Naphthalene	14.08	128	191951	10.272	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	82320	9.984	ug/l	100

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

