

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012320\
 Data File : VU036546.D
 Acq On : 23 Jan 2020 18:23
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 1/27/2020 1:46:56 PM

Quant Time: Jan 24 03:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.15	96	35634	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	13072	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13466	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.40	85	116168	9.862	ug/l	100
3) Chloromethane	1.54	50	132706	10.509	ug/l	99
4) Vinyl Chloride	1.62	62	140559	9.827	ug/l	98
5) Bromomethane	1.87	94	74472	8.379	ug/l	99
6) Chloroethane	1.95	64	74395	8.780	ug/l	100
7) Trichlorofluoromethane	2.16	101	139948	9.903	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88844	10.092	ug/l	97
9) 1,1-Dichloroethene	2.61	96	92153	9.834	ug/l	99
10) Iodomethane	2.75	142	106619	8.414	ug/l	99
11) Allyl Chloride	2.95	41	125170	9.661	ug/l	100
12) Acrylonitrile	3.37	53	43343	18.858	ug/l	97
13) Acetone	2.67	43	68497	43.850	ug/l	99
14) Carbon Disulfide	2.82	76	313500	9.660	ug/l	100
15) Methylene Chloride	3.08	84	107156	8.682	ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	100293	9.703	ug/l	99
17) 1,1-Dichloroethane	3.91	63	167208	9.926	ug/l	100
18) 2-Butanone	4.78	43	110523	44.791	ug/l	99
19) Cyclohexane	5.43	56	151108m	9.814	ug/l	
20) Methylcyclohexane	6.80	83	173364	10.085	ug/l	100
21) 2,2-Dichloropropane	4.71	77	142601	9.916	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	105081	9.798	ug/l	98
23) Diethyl Ether	2.41	59	72139	9.966	ug/l	98
24) tert-Butyl Alcohol	3.27	59	63373	97.962	ug/l	99
25) Methyl tert-Butyl Ether	3.42	73	240514	9.795	ug/l	98
26) Bromochloromethane	5.02	128	45432	9.781	ug/l	100
27) Chloroform	5.13	83	165146	9.912	ug/l	98
28) 1,1,1-Trichloroethane	5.36	97	141184	10.105	ug/l	99
29) 1,1-Dichloropropene	5.56	75	133700	9.805	ug/l	99
30) Carbon Tetrachloride	5.56	117	119469	9.986	ug/l	99
31) Isopropyl Ether	4.06	45	254481	9.952	ug/l	100
32) Ethyl-t-butyl ether	4.56	59	264993	9.905	ug/l	99
33) Tert-Amyl methyl ether	5.99	73	242956	9.918	ug/l	100
34) Propionitrile	4.84	54	34513	48.523	ug/l	96
35) Benzene	5.81	78	387877	9.824	ug/l	99
36) 1,2-Dichloroethane	5.84	62	106210	9.993	ug/l	100
37) Trichloroethene	6.58	130	106133	9.736	ug/l	99
38) 1,2-Dichloropropane	6.83	63	98094	9.881	ug/l	99
39) Methacrylonitrile	5.03	41	29441	9.849	ug/l	98
40) Methyl acrylate	4.90	55	51525	10.875	ug/l	100
41) Tetrahydrofuran	5.12	42	29701	18.237	ug/l	97
42) 1-Chlorobutane	5.50	56	174479	9.877	ug/l	100

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43) Dibromomethane	6.96	93	50659	9.777	ug/l	100
44) Bromodichloromethane	7.14	83	122807	10.020	ug/l	98
45) 4-Methyl-2-Pentanone	7.83	43	280651	48.075	ug/l	99
46) t-1,4-Dichloro-2-butene	10.86	75	50797m	19.758	ug/l	
47) Methyl methacrylate	7.00	69	97807	19.262	ug/l	99
48) Ethyl methacrylate	8.37	69	96260	9.815	ug/l	99
49) Toluene	8.00	92	248396	9.855	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	122836	10.058	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	149475	10.098	ug/l	98
52) 1,1,2-Trichloroethane	8.43	97	73052	9.937	ug/l	97
53) 1,3-Dichloropropane	8.61	76	125022	9.922	ug/l	99
54) 2-Hexanone	8.72	43	194796	47.580	ug/l	99
55) Dibromochloromethane	8.84	129	85471	10.098	ug/l	99
56) 1,2-Dibromoethane	8.95	107	69904	9.875	ug/l	98
58) Tetrachloroethene	8.58	164	91926	8.437	ug/l	99
59) Chlorobenzene	9.47	112	278688	9.927	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	91247	10.176	ug/l	100
61) Pentachloroethane	11.45	117	72420	12.518	ug/l	98
62) Hexachloroethane	12.50	117	74392	10.090	ug/l	99
63) Ethyl Benzene	9.60	91	467002	9.925	ug/l	99
64) m/p-Xylenes	9.72	106	368214	19.771	ug/l	100
65) o-Xylene	10.12	106	178202	9.881	ug/l	99
66) Styrene	10.14	104	298471	9.882	ug/l	100
67) Bromoform	10.32	173	49101	10.132	ug/l	98
69) Isopropylbenzene	10.51	105	471508	9.952	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	92911	10.017	ug/l	97
71) 1,2,3-Trichloropropane	10.86	75	61047m	9.224	ug/l	
72) Bromobenzene	10.81	156	112431	9.850	ug/l	99
73) n-propylbenzene	10.93	120	132893	9.997	ug/l	98
74) 2-Chlorotoluene	11.01	126	111782	9.790	ug/l	97
75) 1,3,5-Trimethylbenzene	11.11	105	401347	9.877	ug/l	99
76) 4-Chlorotoluene	11.12	126	115136	9.759	ug/l	95
77) tert-Butylbenzene	11.44	119	392653	10.197	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	414296	9.888	ug/l	99
79) sec-Butylbenzene	11.66	105	527731	9.879	ug/l	100
80) Nitrobenzene	13.23	77	6567	49.338	ug/l	93
81) p-Isopropyltoluene	11.81	119	444736	9.960	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	221934	9.718	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	220172	9.646	ug/l	99
84) n-Butylbenzene	12.23	91	416182	10.079	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	209922	9.606	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	14707	9.367	ug/l	97
87) 1,2,4-Trichlorobenzene	13.86	180	145028	10.375	ug/l	99
88) Hexachlorobutadiene	14.04	225	76046	9.926	ug/l	98
89) Naphthalene	14.10	128	252200	10.472	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	132285	10.062	ug/l	99

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

