

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033200.D
 Acq On : 11 Jul 2019 19:09
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:28 PM

Quant Time: Jul 12 04:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.72	96	35621	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	14134	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	15647	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.20	85	204728	13.824	ug/l	99
3) Chloromethane	1.32	50	227372	13.475	ug/l	99
4) Vinyl Chloride	1.40	62	241319	13.473	ug/l	100
5) Bromomethane	1.61	94	127293	12.761	ug/l	99
6) Chloroethane	1.68	64	146239	13.010	ug/l	99
7) Trichlorofluoromethane	1.87	101	326041	13.436	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	169043	13.785	ug/l	98
9) 1,1-Dichloroethene	2.27	96	165558	13.318	ug/l	99
10) Iodomethane	2.40	142	224216	13.502	ug/l	98
11) Allyl Chloride	2.58	41	279664	13.059	ug/l	100
12) Acrylonitrile	2.92	53	92379	26.675	ug/l	99
13) Acetone	2.31	43	189643	61.887	ug/l	100
14) Carbon Disulfide	2.46	76	609994	13.259	ug/l	99
15) Methylene Chloride	2.68	84	200823	12.537	ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	189707	13.265	ug/l	99
17) 1,1-Dichloroethane	3.42	63	282906	13.448	ug/l	100
18) 2-Butanone	4.25	43	219272	79.847	ug/l	98
19) Cyclohexane	4.97	56	240173m	15.136	ug/l	
20) Methylcyclohexane	6.39	83	266594	16.935	ug/l	98
21) 2,2-Dichloropropane	4.20	77	231921	12.641	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	169017	14.491	ug/l	99
23) Diethyl Ether	2.09	59	145937	13.907	ug/l	99
24) tert-Butyl Alcohol	2.82	59	177397	132.768	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	495443	13.989	ug/l	100
26) Bromochloromethane	4.52	128	70545	13.577	ug/l	99
27) Chloroform	4.65	83	293777	12.513	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	252090	13.704	ug/l	99
29) 1,1-Dichloropropene	5.11	75	223447	14.679	ug/l	99
30) Carbon Tetrachloride	5.11	117	222516	13.529	ug/l	98
31) Isopropyl Ether	3.56	45	407398	14.660	ug/l	99
32) Ethyl-t-butyl ether	4.05	59	409064	15.440	ug/l	98
33) Tert-Amyl methyl ether	5.56	73	385652	16.144	ug/l	99
34) Propionitrile	4.31	54	64322	80.910	ug/l	99
35) Benzene	5.36	78	636682	14.380	ug/l	100
36) 1,2-Dichloroethane	5.38	62	198664	13.896	ug/l	100
37) Trichloroethene	6.16	130	167028	14.620	ug/l	97
38) 1,2-Dichloropropane	6.41	63	169571	13.906	ug/l	98
39) Methacrylonitrile	4.52	41	51994	15.765	ug/l	97
40) Methyl acrylate	4.40	55	82815	16.645	ug/l	98
41) Tetrahydrofuran	4.63	42	53930	32.058	ug/l	98
42) 1-Chlorobutane	5.04	56	302157	14.606	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	91194	14.258	ug/l	99
44) Bromodichloromethane	6.74	83	220036	13.818	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	555280	81.828	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	101987m	33.289	ug/l	
47) Methyl methacrylate	6.61	69	167701	33.785	ug/l	99
48) Ethyl methacrylate	8.00	69	160281	17.441	ug/l	98
49) Toluene	7.62	92	399465	15.316	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	211064	15.364	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	242911	15.041	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	127923	14.506	ug/l	99
53) 1,3-Dichloropropane	8.22	76	219384	14.808	ug/l	99
54) 2-Hexanone	8.35	43	399292	86.400	ug/l	99
55) Dibromochloromethane	8.46	129	150521	14.613	ug/l	99
56) 1,2-Dibromoethane	8.57	107	120280	14.916	ug/l	100
58) Tetrachloroethene	8.21	164	153410	14.654	ug/l	99
59) Chlorobenzene	9.10	112	453023	15.602	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	160923	14.476	ug/l	99
61) Pentachloroethane	11.09	117	128906	14.274	ug/l	98
62) Hexachloroethane	12.13	117	128045	14.766	ug/l	95
63) Ethyl Benzene	9.23	91	786309	16.439	ug/l	99
64) m/p-Xylenes	9.36	106	622753	33.413	ug/l	99
65) o-Xylene	9.76	106	297431	16.618	ug/l	98
66) Styrene	9.77	104	515406	17.102	ug/l	100
67) Bromoform	9.94	173	89179	15.814	ug/l	99
69) Isopropylbenzene	10.15	105	787953	16.859	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	173844	14.901	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	127225m	15.150	ug/l	
72) Bromobenzene	10.44	156	191389	16.045	ug/l	97
73) n-propylbenzene	10.57	120	225726	17.369	ug/l	99
74) 2-Chlorotoluene	10.65	126	191587	16.122	ug/l	98
75) 1,3,5-Trimethylbenzene	10.76	105	699608	16.898	ug/l	99
76) 4-Chlorotoluene	10.76	126	199077	15.984	ug/l	95
77) tert-Butylbenzene	11.08	119	663531	16.809	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	713367	17.010	ug/l	100
79) sec-Butylbenzene	11.31	105	897450	16.632	ug/l	99
80) Nitrobenzene	12.85	77	35564	123.210	ug/l #	95
81) p-Isopropyltoluene	11.46	119	758874	17.473	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	389110	15.526	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	396673	16.058	ug/l	100
84) n-Butylbenzene	11.87	91	741384	17.473	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	369524	15.922	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	28843	16.013	ug/l	95
87) 1,2,4-Trichlorobenzene	13.49	180	252810	19.786	ug/l	99
88) Hexachlorobutadiene	13.68	225	134572	16.236	ug/l	99
89) Naphthalene	13.73	128	494071	23.026	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	240451	19.352	ug/l	99

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

