

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U0102318\
 Data File : VU027751.D
 Acq On : 22 Oct 2018 19:57
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

sam

10/24/2018 2:19:19 PM

Quant Time: Oct 23 04:45:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.75	96	14252	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5323	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5280	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	83289	13.855	ug/l	100
3) Chloromethane	1.33	50	87215	13.502	ug/l	100
4) Vinyl Chloride	1.40	62	81755	13.544	ug/l	99
5) Bromomethane	1.63	94	41887	14.478	ug/l	99
6) Chloroethane	1.70	64	42325	12.639	ug/l	99
7) Trichlorofluoromethane	1.89	101	100216	14.125	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	52480	13.389	ug/l	99
9) 1,1-Dichloroethene	2.29	96	46725	13.354	ug/l	99
10) Iodomethane	2.41	142	72844	15.472	ug/l	98
11) Allyl Chloride	2.59	41	107444	13.080	ug/l	100
12) Acrylonitrile	2.95	53	25829	23.196	ug/l	99
13) Acetone	2.34	43	56792	70.143	ug/l	99
14) Carbon Disulfide	2.48	76	171164	13.490	ug/l	99
15) Methylene Chloride	2.70	84	52742	12.344	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	51692	13.169	ug/l	99
17) 1,1-Dichloroethane	3.45	63	111926	13.658	ug/l	100
18) 2-Butanone	4.29	43	100776	66.879	ug/l	99
19) Cyclohexane	4.99	56	100323	13.381	ug/l	100
20) Methylcyclohexane	6.41	83	104773	14.303	ug/l	100
21) 2,2-Dichloropropane	4.23	77	95060	13.092	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	61633	13.831	ug/l	96
23) Diethyl Ether	2.11	59	43369	13.146	ug/l	99
24) tert-Butyl Alcohol	2.87	59	46830m	148.243	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	148328	13.390	ug/l	99
26) Bromochloromethane	4.55	128	24817	13.756	ug/l	100
27) Chloroform	4.68	83	111157	13.750	ug/l	100
28) 1,1,1-Trichloroethane	4.92	97	99117	14.208	ug/l	99
29) 1,1-Dichloropropene	5.13	75	88021	14.322	ug/l	98
30) Carbon Tetrachloride	5.13	117	88839	14.293	ug/l	97
31) Isopropyl Ether	3.58	45	205265	13.334	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	180509	13.289	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	156968	13.758	ug/l	100
34) Propionitrile	4.35	54	27523	68.002	ug/l	97
35) Benzene	5.39	78	243834	14.102	ug/l	100
36) 1,2-Dichloroethane	5.41	62	81056	14.703	ug/l	100
37) Trichloroethene	6.19	130	58852	13.818	ug/l	98
38) 1,2-Dichloropropane	6.43	63	68404	14.024	ug/l	99
39) Methacrylonitrile	4.55	41	28102	14.094	ug/l	98
40) Methyl acrylate	4.43	55	37673	13.924	ug/l	99
41) Tetrahydrofuran	4.66	42	28536	26.643	ug/l	97
42) 1-Chlorobutane	5.07	56	136035	14.143	ug/l	99

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43) Dibromomethane	6.56	93	31847	14.657	ug/l	97
44) Bromodichloromethane	6.76	83	86323	14.790	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	256532	69.766	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	39510m	29.062	ug/l	
47) Methyl methacrylate	6.63	69	67564	28.117	ug/l	98
48) Ethyl methacrylate	8.02	69	71165	13.835	ug/l	97
49) Toluene	7.64	92	146379	13.989	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	86279	14.550	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	101326	14.405	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	43126	14.039	ug/l	99
53) 1,3-Dichloropropane	8.24	76	80828	14.237	ug/l	99
54) 2-Hexanone	8.37	43	182838	67.496	ug/l	100
55) Dibromochloromethane	8.48	129	55069	14.726	ug/l	99
56) 1,2-Dibromoethane	8.59	107	41969	14.471	ug/l	99
58) Tetrachloroethene	8.23	164	55161	14.312	ug/l	98
59) Chlorobenzene	9.12	112	156619	14.282	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	57234	14.395	ug/l	99
61) Pentachloroethane	11.10	117	45230	14.698	ug/l	100
62) Hexachloroethane	12.15	117	49698	14.989	ug/l	98
63) Ethyl Benzene	9.25	91	298474	14.722	ug/l	100
64) m/p-Xylenes	9.38	106	215427	29.063	ug/l	99
65) o-Xylene	9.78	106	104864	14.172	ug/l	100
66) Styrene	9.79	104	178273	14.558	ug/l	100
67) Bromoform	9.96	173	33679	15.527	ug/l	98
69) Isopropylbenzene	10.17	105	288503	14.565	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	57261	14.363	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	44627m	14.408	ug/l	
72) Bromobenzene	10.45	156	66785	15.087	ug/l	99
73) n-propylbenzene	10.59	120	76892	15.147	ug/l	99
74) 2-Chlorotoluene	10.66	126	63992	14.122	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	244677	14.806	ug/l	99
76) 4-Chlorotoluene	10.77	126	66461	15.230	ug/l	98
77) tert-Butylbenzene	11.10	119	236930	14.458	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	252697	14.832	ug/l	99
79) sec-Butylbenzene	11.32	105	317966	15.158	ug/l	100
80) Nitrobenzene	12.86	77	12976	70.040	ug/l	97
81) p-Isopropyltoluene	11.48	119	262715	15.366	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	129674	15.237	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	129135	15.365	ug/l	99
84) n-Butylbenzene	11.89	91	269981	16.732	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	123749	15.255	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	10716	15.197	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	96464	16.216	ug/l	99
88) Hexachlorobutadiene	13.69	225	54132	15.282	ug/l	98
89) Naphthalene	13.74	128	179628	15.277	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	87849	15.984	ug/l	100

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

