

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028678.D
 Acq On : 13 Dec 2018 15:07
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:32:37 AM

Quant Time: Dec 14 06:05:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	14286	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5453	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5536	1.14	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	53956	10.499	ug/l	98
3) Chloromethane	1.33	50	81834	9.356	ug/l	98
4) Vinyl Chloride	1.40	62	63270	10.569	ug/l	98
5) Bromomethane	1.61	94	24159	10.243	ug/l	100
6) Chloroethane	1.69	64	35920	10.278	ug/l	100
7) Trichlorofluoromethane	1.88	101	70371	10.763	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	41506	11.038	ug/l	98
9) 1,1-Dichloroethene	2.28	96	36603	10.524	ug/l	92
10) Iodomethane	2.41	142	41404	17.601	ug/l	99
11) Allyl Chloride	2.59	41	87855	10.005	ug/l	99
12) Acrylonitrile	2.94	53	23457	21.172	ug/l	95
13) Acetone	2.32	43	48901	47.629	ug/l	95
14) Carbon Disulfide	2.48	76	132804	10.052	ug/l	100
15) Methylene Chloride	2.70	84	44081	10.393	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	40344	10.364	ug/l	98
17) 1,1-Dichloroethane	3.44	63	90344	10.411	ug/l	99
18) 2-Butanone	4.28	43	81027	52.814	ug/l	97
19) Cyclohexane	4.98	56	75826	10.065	ug/l	96
20) Methylcyclohexane	6.40	83	70130	9.510	ug/l	97
21) 2,2-Dichloropropane	4.22	77	71114	10.211	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	45401	9.967	ug/l	96
23) Diethyl Ether	2.10	59	36746	10.539	ug/l	98
24) tert-Butyl Alcohol	2.84	59	36445	104.136	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	108148	10.468	ug/l	99
26) Bromochloromethane	4.55	128	17462	10.056	ug/l	97
27) Chloroform	4.67	83	79590	9.511	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	67726	10.363	ug/l	97
29) 1,1-Dichloropropene	5.13	75	61070	9.741	ug/l	99
30) Carbon Tetrachloride	5.12	117	52617	9.970	ug/l	99
31) Isopropyl Ether	3.58	45	161191	10.373	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	130650	10.208	ug/l	100
33) Tert-Amyl methyl ether	5.59	73	106269	10.009	ug/l	100
34) Propionitrile	4.33	54	21901	56.826	ug/l #	98
35) Benzene	5.38	78	177598	9.623	ug/l	100
36) 1,2-Dichloroethane	5.40	62	55541	10.062	ug/l	99
37) Trichloroethene	6.18	130	39313	9.779	ug/l	95
38) 1,2-Dichloropropane	6.43	63	51900	9.860	ug/l	97
39) Methacrylonitrile	4.55	41	21425	10.378	ug/l	98
40) Methyl acrylate	4.43	55	29237	10.294	ug/l	98
41) Tetrahydrofuran	4.66	42	21672	20.885	ug/l	99
42) 1-Chlorobutane	5.06	56	96298	9.663	ug/l	99

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43) Dibromomethane	6.56	93	22195	9.906	ug/l	99
44) Bromodichloromethane	6.76	83	57166	9.662	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	185983	51.678	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	26184m	19.892	ug/l	
47) Methyl methacrylate	6.63	69	48406	21.166	ug/l	97
48) Ethyl methacrylate	8.03	69	46643	10.196	ug/l	98
49) Toluene	7.63	92	102694	10.019	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	55929	9.842	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	67950	9.683	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	32858	10.446	ug/l	97
53) 1,3-Dichloropropane	8.24	76	59961	10.204	ug/l	98
54) 2-Hexanone	8.37	43	130417	50.374	ug/l	99
55) Dibromochloromethane	8.48	129	35212	10.524	ug/l	99
56) 1,2-Dibromoethane	8.59	107	29825	10.409	ug/l	99
58) Tetrachloroethene	8.22	164	38350	10.420	ug/l	97
59) Chlorobenzene	9.12	112	109730	10.288	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	38403	10.625	ug/l	98
61) Pentachloroethane	11.10	117	31407	11.166	ug/l	99
62) Hexachloroethane	12.14	117	30669	11.635	ug/l	99
63) Ethyl Benzene	9.25	91	206805	10.508	ug/l	99
64) m/p-Xylenes	9.37	106	156012	21.905	ug/l	99
65) o-Xylene	9.78	106	73826	10.742	ug/l	100
66) Styrene	9.79	104	129801	11.011	ug/l	98
67) Bromoform	9.96	173	19751	10.533	ug/l	99
69) Isopropylbenzene	10.16	105	197460	10.729	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	46505	11.021	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	30312	10.305	ug/l #	98
72) Bromobenzene	10.45	156	45970	11.254	ug/l	97
73) n-propylbenzene	10.58	120	54149	11.344	ug/l	98
74) 2-Chlorotoluene	10.66	126	47492	11.355	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	173737	11.217	ug/l	96
76) 4-Chlorotoluene	10.77	126	48346	11.402	ug/l	98
77) tert-Butylbenzene	11.10	119	163945	11.243	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	179301	11.296	ug/l	100
79) sec-Butylbenzene	11.32	105	226582	11.146	ug/l	100
80) Nitrobenzene	12.86	77	10221	53.769	ug/l	92
81) p-Isopropyltoluene	11.48	119	181003	11.205	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	92927	11.357	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	93078	11.429	ug/l	99
84) n-Butylbenzene	11.89	91	190898	11.256	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	86939	11.163	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	6940	10.224	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	58557	10.696	ug/l	98
88) Hexachlorobutadiene	13.69	225	34228	11.555	ug/l	97
89) Naphthalene	13.74	128	116883	10.803	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	55976	10.843	ug/l	99

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

