

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030575.D
 Acq On : 30 Mar 2019 15:58
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:48 PM

Quant Time: Mar 31 01:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	54631	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21083	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21201	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	167354	7.283	ug/l	100
3) Chloromethane	1.33	50	288881	9.730	ug/l	99
4) Vinyl Chloride	1.40	62	240683	9.382	ug/l	99
5) Bromomethane	1.62	94	97757	8.835	ug/l	99
6) Chloroethane	1.69	64	142272	9.616	ug/l	98
7) Trichlorofluoromethane	1.88	101	289333	10.268	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	165277	11.547	ug/l	100
9) 1,1-Dichloroethene	2.28	96	166368	11.549	ug/l	96
10) Iodomethane	2.41	142	97464	7.130	ug/l	99
11) Allyl Chloride	2.59	41	340126	10.838	ug/l	98
12) Acrylonitrile	2.93	53	223848	54.712	ug/l	97
13) Acetone	2.32	43	292006	76.180	ug/l	99
14) Carbon Disulfide	2.47	76	572594	10.879	ug/l	100
15) Methylene Chloride	2.69	84	191705	10.493	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	178039	10.940	ug/l	98
17) 1,1-Dichloroethane	3.43	63	358884	10.861	ug/l	99
18) 2-Butanone	4.28	43	338121	68.231	ug/l	99
19) Cyclohexane	4.98	56	296076	10.621	ug/l	89
20) Methylcyclohexane	6.41	83	301509	12.327	ug/l	99
21) 2,2-Dichloropropane	4.22	77	283347	11.156	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	192414	11.010	ug/l	98
23) Diethyl Ether	2.10	59	143427	10.476	ug/l	99
24) tert-Butyl Alcohol	2.84	59	81719	57.658	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	461377	11.063	ug/l	98
26) Bromochloromethane	4.54	128	70676	10.327	ug/l	99
27) Chloroform	4.67	83	336298	10.894	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	283442	11.123	ug/l	99
29) 1,1-Dichloropropene	5.13	75	253868	11.108	ug/l	99
30) Carbon Tetrachloride	5.13	117	241212	11.341	ug/l	99
31) Isopropyl Ether	3.58	45	644321	11.707	ug/l #	1
34) Propionitrile	4.33	54	166176	123.352	ug/l #	96
35) Benzene	5.38	78	763802	11.300	ug/l	99
36) 1,2-Dichloroethane	5.40	62	225960	10.944	ug/l	100
37) Trichloroethene	6.18	130	177287	10.933	ug/l	99
38) 1,2-Dichloropropane	6.43	63	210080	11.220	ug/l	98
39) Methacrylonitrile	4.55	41	73923	12.163	ug/l	96
40) Methyl acrylate	4.42	55	99769	12.004	ug/l #	95
41) Tetrahydrofuran	4.65	42	205298	59.551	ug/l	96
42) 1-Chlorobutane	5.06	56	388081	11.342	ug/l	98
43) Dibromomethane	6.56	93	95883	11.295	ug/l	99
44) Bromodichloromethane	6.75	83	250624	11.156	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	692459	59.320	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	42855m	11.440	ug/l	
47) Methyl methacrylate	6.62	69	92480	12.845	ug/l	98
48) Ethyl methacrylate	8.02	69	187396	13.275	ug/l	100
49) Toluene	7.63	92	443267	11.967	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	240239	12.761	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	285413	12.191	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	133904	11.575	ug/l	97
53) 1,3-Dichloropropane	8.24	76	237611	11.231	ug/l	99
54) 2-Hexanone	8.36	43	537108	68.130	ug/l	99
55) Dibromochloromethane	8.47	129	150957	11.255	ug/l	99
56) 1,2-Dibromoethane	8.58	107	127118	11.844	ug/l	97
58) Tetrachloroethene	8.22	164	156094	10.763	ug/l	99
59) Chlorobenzene	9.12	112	469321	11.726	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	160144	10.798	ug/l	98
61) Pentachloroethane	11.10	117	130278	11.389	ug/l	95
62) Hexachloroethane	12.14	117	129418	13.000	ug/l	100
63) Ethyl Benzene	9.25	91	889911	12.525	ug/l	98
64) m/p-Xylenes	9.37	106	654866	25.198	ug/l	94
65) o-Xylene	9.77	106	304334	12.180	ug/l	98
66) Styrene	9.79	104	550048	13.062	ug/l	99
67) Bromoform	9.95	173	89294	12.155	ug/l	98
69) Isopropylbenzene	10.16	105	851504	12.524	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	179602	11.089	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	127751m	12.372	ug/l	
72) Bromobenzene	10.45	156	191619	11.746	ug/l	99
73) n-propylbenzene	10.58	120	220694	12.664	ug/l	97
74) 2-Chlorotoluene	10.66	126	191356	11.838	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	741949	12.982	ug/l	99
76) 4-Chlorotoluene	10.77	126	201902	12.287	ug/l	99
77) tert-Butylbenzene	11.10	119	665787	12.300	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	733717	12.950	ug/l	99
79) sec-Butylbenzene	11.32	105	859818	11.689	ug/l	99
80) Nitrobenzene	12.87	77	5627m	25.786	ug/l	
81) p-Isopropyltoluene	11.47	119	744823	13.183	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	366171	11.233	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	373446	11.431	ug/l	99
84) n-Butylbenzene	11.89	91	742653	13.590	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	338382	11.031	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	29188	12.288	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	240656	13.743	ug/l	99
88) Hexachlorobutadiene	13.69	225	136132	12.329	ug/l	98
89) Naphthalene	13.74	128	440267	14.401	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	223198	13.430	ug/l	99

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

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