

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029347.D
 Acq On : 05 Feb 2019 14:53
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICV010

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:35 PM

Quant Time: Feb 08 11:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	53384	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20838	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22703	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	98197	4.929	ug/l	98
3) Chloromethane	1.33	50	132306	7.267	ug/l	98
4) Vinyl Chloride	1.40	62	168888	7.913	ug/l	98
5) Bromomethane	1.63	94	108776	9.163	ug/l	95
6) Chloroethane	1.70	64	112830	9.049	ug/l	97
7) Trichlorofluoromethane	1.88	101	274052	9.195	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	162028	10.296	ug/l	91
9) 1,1-Dichloroethene	2.28	96	155215	10.079	ug/l	76
10) Iodomethane	2.41	142	194037	8.466	ug/l #	79
11) Allyl Chloride	2.59	41	256328	9.926	ug/l	91
12) Acrylonitrile	2.94	53	176338	51.088	ug/l	98
13) Acetone	2.32	43	196050	58.935	ug/l #	86
14) Carbon Disulfide	2.48	76	495593	9.114	ug/l	99
15) Methylene Chloride	2.70	84	174617	9.351	ug/l #	81
16) trans-1,2-Dichloroethene	2.98	96	172207	10.000	ug/l	82
17) 1,1-Dichloroethane	3.44	63	267604	9.806	ug/l	97
18) 2-Butanone	4.28	43	210158	56.525	ug/l	97
19) Cyclohexane	4.99	56	246187m	9.729	ug/l	
20) Methylcyclohexane	6.41	83	274634	10.334	ug/l	88
21) 2,2-Dichloropropane	4.22	77	254376	10.070	ug/l	93
22) cis-1,2-Dichloroethene	4.22	96	169219	10.431	ug/l	81
23) Diethyl Ether	2.10	59	120573	9.750	ug/l	90
24) tert-Butyl Alcohol	2.84	59	65491	50.959	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	451188	10.405	ug/l #	87
26) Bromochloromethane	4.54	128	70695	9.865	ug/l	76
27) Chloroform	4.67	83	275809	10.392	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	258367	10.503	ug/l	96
29) 1,1-Dichloropropene	5.13	75	215785	10.105	ug/l	94
30) Carbon Tetrachloride	5.13	117	233514	10.486	ug/l	100
31) Isopropyl Ether	3.58	45	446700	10.848	ug/l #	1
34) Propionitrile	4.33	54	111807	114.407	ug/l #	92
35) Benzene	5.39	78	612004	10.363	ug/l	99
36) 1,2-Dichloroethane	5.40	62	183082	10.250	ug/l #	93
37) Trichloroethene	6.18	130	178009	10.504	ug/l	88
38) 1,2-Dichloropropane	6.43	63	160219	10.429	ug/l	100
39) Methacrylonitrile	4.55	41	51302	10.251	ug/l	92
40) Methyl acrylate	4.43	55	77125	10.209	ug/l #	88
41) Tetrahydrofuran	4.65	42	127453	50.557	ug/l	88
42) 1-Chlorobutane	5.06	56	291330	10.182	ug/l	91
43) Dibromomethane	6.56	93	83482	10.197	ug/l	92
44) Bromodichloromethane	6.76	83	217511	10.427	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 4-Methyl-2-Pentanone	7.46	43	496936	51.782	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.51	75	51131m	10.936	ug/l	
47) Methyl methacrylate	6.62	69	83093	11.536	ug/l #	78
48) Ethyl methacrylate	8.02	69	163266	10.565	ug/l	83
49) Toluene	7.63	92	400497	10.598	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	224869	10.997	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	257715	10.610	ug/l	92
52) 1,1,2-Trichloroethane	8.06	97	115336	10.642	ug/l	99
53) 1,3-Dichloropropane	8.24	76	203956	10.712	ug/l	98
54) 2-Hexanone	8.36	43	364162	54.136	ug/l	90
55) Dibromochloromethane	8.48	129	161765	10.501	ug/l	99
56) 1,2-Dibromoethane	8.58	107	116136	10.444	ug/l	99
58) Tetrachloroethene	8.22	164	170270	10.798	ug/l	94
59) Chlorobenzene	9.12	112	464260	10.906	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	170709	10.853	ug/l	97
61) Pentachloroethane	11.10	117	133164	10.923	ug/l	85
62) Hexachloroethane	12.14	117	148701	11.175	ug/l	99
63) Ethyl Benzene	9.25	91	798633	10.803	ug/l	95
64) m/p-Xylenes	9.37	106	629657	21.916	ug/l	90
65) o-Xylene	9.78	106	307306	10.897	ug/l	91
66) Styrene	9.79	104	502126	10.681	ug/l	95
67) Bromoform	9.95	173	104927	10.949	ug/l	99
69) Isopropylbenzene	10.16	105	834084	11.070	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	145524	10.476	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	109779m	11.508	ug/l	
72) Bromobenzene	10.45	156	206410	11.303	ug/l	87
73) n-propylbenzene	10.58	120	233116	11.109	ug/l	83
74) 2-Chlorotoluene	10.66	126	198290	11.097	ug/l	83
75) 1,3,5-Trimethylbenzene	10.77	105	721891	11.113	ug/l	96
76) 4-Chlorotoluene	10.77	126	209403	11.291	ug/l	82
77) tert-Butylbenzene	11.10	119	706900	11.010	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	733440	11.153	ug/l	96
79) sec-Butylbenzene	11.32	105	896109	10.667	ug/l	96
80) Nitrobenzene	12.87	77	6938	11.210	ug/l #	84
81) p-Isopropyltoluene	11.47	119	799455	11.226	ug/l	95
82) 1,3-Dichlorobenzene	11.41	146	399253	11.143	ug/l	97
83) 1,4-Dichlorobenzene	11.50	146	400432	11.222	ug/l	98
84) n-Butylbenzene	11.89	91	745956	11.415	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	369455	10.906	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	27615	10.652	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.50	180	280606	11.792	ug/l	99
88) Hexachlorobutadiene	13.69	225	159018	11.539	ug/l	98
89) Naphthalene	13.74	128	479339	11.878	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	249357	11.467	ug/l	99

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

