

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037135.D
 Acq On : 09 Mar 2020 15:42
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU030920

Manual Integrations
 APPROVED

sam
 3/10/2020 3:06:37 PM

Quant Time: Mar 09 19:17:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	6.15	96	16834	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	6660	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6756	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.39	85	49473	6.020	ug/l	99
3) Chloromethane	1.54	50	67486	8.260	ug/l	100
4) Vinyl Chloride	1.62	62	55714	7.758	ug/l	100
5) Bromomethane	1.87	94	25315	10.107	ug/l	98
6) Chloroethane	1.95	64	31107	9.041	ug/l	98
7) Trichlorofluoromethane	2.16	101	81787	9.372	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41110	10.041	ug/l #	93
9) 1,1-Dichloroethene	2.60	96	38122	9.793	ug/l	78
10) Iodomethane	2.75	142	20092	9.621	ug/l #	73
11) Allyl Chloride	2.95	41	74002	9.805	ug/l #	67
12) Acrylonitrile	3.36	53	47507	51.594	ug/l	97
13) Acetone	2.66	43	68737	67.163	ug/l #	80
14) Carbon Disulfide	2.82	76	123453	9.522	ug/l	100
15) Methylene Chloride	3.08	84	44793	9.165	ug/l #	77
16) trans-1,2-Dichloroethene	3.38	96	41658	10.076	ug/l	87
17) 1,1-Dichloroethane	3.91	63	91151	9.510	ug/l	99
18) 2-Butanone	4.76	43	85778	54.834	ug/l	97
19) Cyclohexane	5.42	56	84200m	10.316	ug/l	
20) Methylcyclohexane	6.79	83	83927	10.410	ug/l	89
21) 2,2-Dichloropropane	4.71	77	83544	9.553	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	52518	10.256	ug/l	83
23) Diethyl Ether	2.40	59	30202	9.159	ug/l	88
24) tert-Butyl Alcohol	3.23	59	18545	51.436	ug/l	97
25) Methyl tert-Butyl Ether	3.41	73	110315	9.671	ug/l #	71
26) Bromochloromethane	5.02	128	23071	10.237	ug/l	83
27) Chloroform	5.13	83	97713	9.467	ug/l	99
28) 1,1,1-Trichloroethane	5.35	97	87555	9.951	ug/l	97
29) 1,1-Dichloropropene	5.56	75	70515	9.863	ug/l	97
30) Carbon Tetrachloride	5.56	117	77045	10.007	ug/l	99
31) Isopropyl Ether	4.05	45	164228	10.734	ug/l #	1
34) Propionitrile	4.83	54	40837	99.253	ug/l #	93
35) Benzene	5.81	78	200832	9.888	ug/l	98
36) 1,2-Dichloroethane	5.83	62	70676	9.599	ug/l #	93
37) Trichloroethene	6.57	130	52120	9.780	ug/l	92
38) 1,2-Dichloropropane	6.82	63	54218	9.725	ug/l	99
39) Methacrylonitrile	5.02	41	19534	9.840	ug/l #	83
40) Methyl acrylate	4.90	55	27053	9.855	ug/l #	93
41) Tetrahydrofuran	5.11	42	48596	49.067	ug/l #	85
42) 1-Chlorobutane	5.49	56	104738	10.171	ug/l	84
43) Dibromomethane	6.95	93	28504	9.975	ug/l	90
44) Bromodichloromethane	7.14	83	74331	9.991	ug/l	98

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

45) 4-Methyl-2-Pentanone	7.83	43	186374	48.636	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	12048m	11.487	ug/l	
47) Methyl methacrylate	7.00	69	24747	10.478	ug/l #	62
48) Ethyl methacrylate	8.36	69	49600	10.630	ug/l	67
49) Toluene	8.00	92	128394	10.468	ug/l	100
50) t-1,3-Dichloropropene	8.24	75	71342	10.645	ug/l	100
51) cis-1,3-Dichloropropene	7.64	75	79976	10.448	ug/l #	81
52) 1,1,2-Trichloroethane	8.43	97	39004	10.231	ug/l	97
53) 1,3-Dichloropropane	8.60	76	66644	9.856	ug/l	98
54) 2-Hexanone	8.71	43	144348	54.680	ug/l	87
55) Dibromochloromethane	8.84	129	48772	10.335	ug/l	98
56) 1,2-Dibromoethane	8.95	107	37567	10.405	ug/l	98
58) Tetrachloroethene	8.58	164	48079	9.612	ug/l	93
59) Chlorobenzene	9.47	112	132453	9.676	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	50559	10.090	ug/l	97
61) Pentachloroethane	11.45	117	40269	10.534	ug/l	96
62) Hexachloroethane	12.49	117	43056	10.521	ug/l	84
63) Ethyl Benzene	9.59	91	255780	10.946	ug/l	95
64) m/p-Xylenes	9.72	106	191152	21.609	ug/l	88
65) o-Xylene	10.12	106	90706	10.627	ug/l	91
66) Styrene	10.13	104	156150	11.177	ug/l	95
67) Bromoform	10.31	173	25894	10.396	ug/l #	96
69) Isopropylbenzene	10.50	105	256086	11.007	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	49981	9.967	ug/l	98
71) 1,2,3-Trichloropropane	10.84	75	36386m	8.876	ug/l	
72) Bromobenzene	10.80	156	57394	10.195	ug/l	90
73) n-propylbenzene	10.92	120	67451	10.937	ug/l	78
74) 2-Chlorotoluene	11.00	126	59118	10.590	ug/l	87
75) 1,3,5-Trimethylbenzene	11.11	105	230436	11.439	ug/l	95
76) 4-Chlorotoluene	11.11	126	61204	10.891	ug/l	77
77) tert-Butylbenzene	11.44	119	210051	10.697	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	228434	11.234	ug/l	95
79) sec-Butylbenzene	11.66	105	268521	10.050	ug/l	98
80) Nitrobenzene	13.24	77	1088	9.913	ug/l #	91
81) p-Isopropyltoluene	11.81	119	241106	11.449	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	113430	10.169	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	114469	10.129	ug/l	99
84) n-Butylbenzene	12.22	91	236707	11.865	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	106775	9.892	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9543	10.783	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.87	180	68406	12.609	ug/l	98
88) Hexachlorobutadiene	14.05	225	35804	10.664	ug/l	99
89) Naphthalene	14.12	128	120368	10.799	ug/l	100
90) 1,2,3-Trichlorobenzene	14.37	180	63169	11.963	ug/l	97

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

