

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037141.D
 Acq On : 09 Mar 2020 19:25
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 09 20:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	16293	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	7024	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6873	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	83097	10.447	ug/l 98
3) Chloromethane	1.54	50	82639	10.451	ug/l 98
4) Vinyl Chloride	1.62	62	72382	10.414	ug/l 99
5) Bromomethane	1.87	94	26285	10.843	ug/l 100
6) Chloroethane	1.95	64	33227	9.978	ug/l 99
7) Trichlorofluoromethane	2.16	101	88072	10.427	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41298	10.422	ug/l 95
9) 1,1-Dichloroethene	2.60	96	38282	10.160	ug/l 78
10) Iodomethane	2.75	142	22292	13.616	ug/l # 73
11) Allyl Chloride	2.95	41	74261	10.166	ug/l # 63
12) Acrylonitrile	3.35	53	18173	20.392	ug/l # 89
13) Acetone	2.66	43	47723	48.178	ug/l # 78
14) Carbon Disulfide	2.82	76	126843	10.108	ug/l 98
15) Methylene Chloride	3.07	84	48887	10.335	ug/l # 77
16) trans-1,2-Dichloroethene	3.38	96	41289	10.318	ug/l 87
17) 1,1-Dichloroethane	3.91	63	94476	10.185	ug/l 97
18) 2-Butanone	4.76	43	76881	50.779	ug/l 96
19) Cyclohexane	5.42	56	84559m	10.704	ug/l
20) Methylcyclohexane	6.79	83	83492	10.700	ug/l 89
21) 2,2-Dichloropropane	4.71	77	81838	9.669	ug/l 95
22) cis-1,2-Dichloroethene	4.71	96	53457	10.786	ug/l 85
23) Diethyl Ether	2.40	59	32392	10.149	ug/l # 88
24) tert-Butyl Alcohol	3.24	59	37534	107.559	ug/l 98
25) Methyl tert-Butyl Ether	3.41	73	115369	10.450	ug/l # 72
26) Bromochloromethane	5.02	128	23043	10.564	ug/l 81
27) Chloroform	5.13	83	101120	10.123	ug/l 99
28) 1,1,1-Trichloroethane	5.35	97	88790	10.427	ug/l 97
29) 1,1-Dichloropropene	5.56	75	72492	10.476	ug/l 98
30) Carbon Tetrachloride	5.56	117	79262	10.636	ug/l 98
31) Isopropyl Ether	4.05	45	154668	10.445	ug/l 85
32) Ethyl-t-butyl ether	4.56	59	146988	10.514	ug/l 95
33) Tert-Amyl methyl ether	5.98	73	129299	10.777	ug/l 99
34) Propionitrile	4.83	54	21727	54.560	ug/l # 93
35) Benzene	5.81	78	204716	10.413	ug/l 100
36) 1,2-Dichloroethane	5.83	62	73439	10.305	ug/l # 93
37) Trichloroethene	6.57	130	51915	10.065	ug/l 93
38) 1,2-Dichloropropane	6.83	63	56027	10.383	ug/l 99
39) Methacrylonitrile	5.02	41	20171	10.498	ug/l # 84
40) Methyl acrylate	4.89	55	29164	10.977	ug/l # 95
41) Tetrahydrofuran	5.11	42	19948	20.810	ug/l # 85
42) 1-Chlorobutane	5.49	56	106639	10.699	ug/l 84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	29676	10.730	ug/l	90
44) Bromodichloromethane	7.14	83	76745	10.658	ug/l	99
45) 4-Methyl-2-Pentanone	7.83	43	195625	52.746	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	22289m	21.957	ug/l	
47) Methyl methacrylate	7.00	69	52703	23.056	ug/l #	67
48) Ethyl methacrylate	8.36	69	49976	11.066	ug/l	72
49) Toluene	8.00	92	131198	11.052	ug/l	99sam
50) t-1,3-Dichloropropene	8.24	75	70128	10.811	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	77615	10.477	ug/l #	79
52) 1,1,2-Trichloroethane	8.43	97	39192	10.622	ug/l	98
53) 1,3-Dichloropropane	8.60	76	68741	10.503	ug/l	99
54) 2-Hexanone	8.71	43	140309	54.915	ug/l	863/10/2020 3:06:47 PM
55) Dibromochloromethane	8.83	129	49128	10.756	ug/l	98
56) 1,2-Dibromoethane	8.95	107	38833	11.113	ug/l	96
58) Tetrachloroethene	8.58	164	51110	10.557	ug/l	95
59) Chlorobenzene	9.47	112	138152	10.427	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.56	131	50203	10.351	ug/l	95
61) Pentachloroethane	11.45	117	39294	10.620	ug/l	91
62) Hexachloroethane	12.49	117	43431	10.965	ug/l	82
63) Ethyl Benzene	9.59	91	251793	11.133	ug/l	96
64) m/p-Xylenes	9.72	106	193714	22.625	ug/l	90
65) o-Xylene	10.12	106	92453	11.191	ug/l	91
66) Styrene	10.13	104	158245	11.703	ug/l	95
67) Bromoform	10.31	173	27022	11.209	ug/l #	98
69) Isopropylbenzene	10.50	105	250660	11.131	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	51585	10.629	ug/l	98
71) 1,2,3-Trichloropropane	10.85	75	40309m	10.159	ug/l	
72) Bromobenzene	10.80	156	56960	10.453	ug/l	88
73) n-propylbenzene	10.92	120	68660	11.502	ug/l	79
74) 2-Chlorotoluene	11.01	126	60326	11.165	ug/l	86
75) 1,3,5-Trimethylbenzene	11.10	105	226380	11.611	ug/l	93
76) 4-Chlorotoluene	11.11	126	61920	11.384	ug/l	77
77) tert-Butylbenzene	11.44	119	210415	11.071	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	234651	11.923	ug/l	94
79) sec-Butylbenzene	11.66	105	292582	11.314	ug/l	98
80) Nitrobenzene	13.24	77	5849	55.059	ug/l	94
81) p-Isopropyltoluene	11.81	119	238421	11.697	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	116891	10.827	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	118122	10.799	ug/l	98
84) n-Butylbenzene	12.22	91	230362	11.931	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	110753	10.602	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9377	10.948	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.87	180	64146	12.216	ug/l	97
88) Hexachlorobutadiene	14.05	225	33641	10.353	ug/l	96
89) Naphthalene	14.12	128	114300	12.819	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	61564	12.047	ug/l	97

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

