

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053468.D
 Acq On : 29 Mar 2023 16:22
 Operator : JC/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 10:30:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 09:48:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.108	96	47907	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18152	1.049	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	19148	1.103	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	272516	15.736	ug/l	99
3) Chloromethane	1.517	50	251640	14.262	ug/l	99
4) Vinyl Chloride	1.601	62	277922	14.908	ug/l	98
5) Bromomethane	1.855	94	196638	14.674	ug/l	99
6) Chloroethane	1.929	64	222181	18.644	ug/l	100
7) Trichlorofluoromethane	2.121	101	508889	18.229	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.568	101	206342	14.913	ug/l	98
9) 1,1-Dichloroethene	2.568	96	190774	15.071	ug/l	90
10) Iodomethane	2.713	142	236141	15.000	ug/l	99
11) Allyl Chloride	2.912	41	224093	15.685	ug/l	94
12) Acrylonitrile	3.318	53	77523	32.577	ug/l	96
13) Acetone	2.642	43	308074	63.886	ug/l	98
14) Carbon Disulfide	2.781	76	593172	15.287	ug/l	99
15) Methylene Chloride	3.038	84	244143	14.924	ug/l	90
16) trans-1,2-Dichloroethene	3.343	96	209564	16.026	ug/l	91
17) 1,1-Dichloroethane	3.861	63	375702	15.742	ug/l	100
18) 2-Butanone	4.710	43	357674	72.879	ug/l	99
19) Cyclohexane	5.382	56	304624	15.500	ug/l	# 83
20) Methylcyclohexane	6.758	83	396452	16.148	ug/l	93
21) 2,2-Dichloropropane	4.658	77	323014	15.809	ug/l	99
22) cis-1,2-Dichloroethene	4.658	96	224403	15.790	ug/l	99
23) Diethyl Ether	2.369	59	144932	14.428	ug/l	92
24) tert-Butyl Alcohol	3.346	59	141799m	148.625	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	451346	16.089	ug/l	96
26) Bromochloromethane	4.967	128	91951	16.059	ug/l	94
27) Chloroform	5.083	83	383923	15.496	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	343944	16.102	ug/l	98
29) 1,1-Dichloropropene	5.520	75	294458	15.931	ug/l	99
30) Carbon Tetrachloride	5.517	117	278633	16.390	ug/l	98
31) Isopropyl Ether	3.986	45	515426	15.697	ug/l	94
32) Ethyl-t-butyl ether	4.498	59	557507	16.529	ug/l	100
33) Tert-Amyl methyl ether	5.935	73	508753	16.964	ug/l	98
34) Propionitrile	4.797	54	67670	72.007	ug/l	# 11
35) Benzene	5.768	78	858665	15.881	ug/l	100
36) 1,2-Dichloroethane	5.787	62	235465	15.160	ug/l	99
37) Trichloroethene	6.536	130	222147	16.337	ug/l	99
38) 1,2-Dichloropropane	6.784	63	215411	15.548	ug/l	99
39) Methacrylonitrile	4.970	41	52188	15.456	ug/l	88
40) Methyl acrylate	4.842	55	96251	16.339	ug/l	# 96
41) Tetrahydrofuran	5.060	42	54334	30.853	ug/l	90
42) 1-Chlorobutane	5.453	56	379048	15.418	ug/l	95
43) Dibromomethane	6.912	93	107307	16.258	ug/l	93
44) Bromodichloromethane	7.099	83	269479	16.328	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	553872	80.898	ug/l	94
46) t-1,4-Dichloro-2-butene	10.835	75	143479m	38.611	ug/l	
47) Methyl methacrylate	6.957	69	199555	32.884	ug/l	93
48) Ethyl methacrylate	8.330	69	199701	16.969	ug/l	91
49) Toluene	7.964	92	537293	16.213	ug/l	99
50) t-1,3-Dichloropropene	8.205	75	268461	17.561	ug/l	100
51) cis-1,3-Dichloropropene	7.604	75	321029	16.956	ug/l	96
52) 1,1,2-Trichloroethane	8.395	97	154412	16.134	ug/l	98
53) 1,3-Dichloropropane	8.571	76	268248	16.248	ug/l	99
54) 2-Hexanone	8.690	43	543933	75.724	ug/l	94
55) Dibromochloromethane	8.806	129	171956	17.650	ug/l	100
56) 1,2-Dibromoethane	8.919	107	145961	16.553	ug/l	99
58) Tetrachloroethene	8.549	164	212290	16.694	ug/l	95
59) Chlorobenzene	9.443	112	594734	16.301	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	187405	16.899	ug/l	97
61) Pentachloroethane	11.427	117	129069	16.565	ug/l	99
62) Hexachloroethane	12.472	117	173219	14.909	ug/l	84
63) Ethyl Benzene	9.568	91	1077640	16.842	ug/l	97
64) m/p-Xylenes	9.690	106	829455	33.905	ug/l	98
65) o-Xylene	10.095	106	406256	16.969	ug/l	100
66) Styrene	10.111	104	657725	17.869	ug/l	99
67) Bromoform	10.292	173	84610	14.909	ug/l #	98
69) Isopropylbenzene	10.481	105	1068733	17.048	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	191523	16.624	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	163118m	17.779	ug/l	
72) Bromobenzene	10.780	156	226667	17.259	ug/l	98
73) n-propylbenzene	10.902	120	295577	17.847	ug/l	95
74) 2-Chlorotoluene	10.983	126	242621	16.945	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	928349	17.635	ug/l	99
76) 4-Chlorotoluene	11.095	126	258413	17.381	ug/l	97
77) tert-Butylbenzene	11.417	119	855936	17.542	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	940710	17.547	ug/l	100
79) sec-Butylbenzene	11.642	105	1219398	17.351	ug/l	100
80) Nitrobenzene	13.205	77	27231	94.075	ug/l #	93
81) p-Isopropyltoluene	11.790	119	979509	17.743	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	478209	17.085	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	479676	16.935	ug/l	99
84) n-Butylbenzene	12.205	91	981844	18.001	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	449006	16.929	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	30496	17.429	ug/l	98
87) 1,2,4-Trichlorobenzene	13.838	180	269983	17.452	ug/l	98
88) Hexachlorobutadiene	14.018	225	124757	16.862	ug/l	98
89) Naphthalene	14.082	128	556609	17.883	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	240786	18.066	ug/l	98

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

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