

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055802.D
 Acq On : 18 Oct 2023 16:42
 Operator : MD/SY
 Sample : 04699-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Oct 19 04:19:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 04:18:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	97770	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	35813	0.929	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	34364	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	28654	0.755	ug/l	98
3) Chloromethane	1.518	50	27725	0.854	ug/l	99
4) Vinyl Chloride	1.602	62	26842	0.807	ug/l	99
5) Bromomethane	1.856	94	17530	0.958	ug/l	96
6) Chloroethane	1.933	64	13680	0.849	ug/l	99
7) Trichlorofluoromethane	2.136	101	33327	0.760	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	20961	0.717	ug/l	91
9) 1,1-Dichloroethene	2.576	96	20898	0.766	ug/l	96
10) Iodomethane	2.721	142	29580	0.728	ug/l	97
11) Allyl Chloride	2.920	41	29821	0.841	ug/l	99
12) Acrylonitrile	3.335	53	9185m	1.792	ug/l	
13) Acetone	2.644	43	43015	3.935	ug/l	96
14) Carbon Disulfide	2.792	76	73681	0.828	ug/l	99
15) Methylene Chloride	3.042	84	30653	0.953	ug/l	94
16) trans-1,2-Dichloroethene	3.351	96	25660	0.888	ug/l	87
17) 1,1-Dichloroethane	3.866	63	44548	0.829	ug/l	96
18) 2-Butanone	4.721	43	41160	3.495	ug/l	99
19) Cyclohexane	5.386	56	34007m	0.742	ug/l	
20) Methylcyclohexane	6.756	83	33931	0.712	ug/l	96
21) 2,2-Dichloropropane	4.660	77	36956	0.816	ug/l	96
22) cis-1,2-Dichloroethene	4.666	96	24837	0.806	ug/l	96
23) Diethyl Ether	2.374	59	12704	0.779	ug/l	92
24) tert-Butyl Alcohol	3.206	59	16817m	10.058	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	49081	0.836	ug/l	98
26) Bromochloromethane	4.972	128	11449	0.877	ug/l	93
27) Chloroform	5.084	83	46861	0.850	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	40013	0.809	ug/l	97
29) 1,1-Dichloropropene	5.521	75	31017	0.792	ug/l	96
30) Carbon Tetrachloride	5.521	117	34349	0.796	ug/l	97
31) Isopropyl Ether	3.988	45	59506	0.824	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	56078	0.804	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	47418	0.794	ug/l	96
34) Propionitrile	4.804	54	9344m	5.015	ug/l	
35) Benzene	5.772	78	98072	0.827	ug/l	100
36) 1,2-Dichloroethane	5.791	62	28587	0.888	ug/l	# 88
37) Trichloroethene	6.541	130	25782	0.836	ug/l	96
38) 1,2-Dichloropropane	6.788	63	26546	0.857	ug/l	98
39) Methacrylonitrile	4.988	41	6030	0.868	ug/l	92
40) Methyl acrylate	4.862	55	8292	0.741	ug/l	# 77
41) Tetrahydrofuran	5.068	42	7110	1.806	ug/l	# 47
42) 1-Chlorobutane	5.457	56	43139	0.826	ug/l	95
43) Dibromomethane	6.914	93	12261	0.833	ug/l	99
44) Bromodichloromethane	7.100	83	31771	0.817	ug/l	97

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45) 4-Methyl-2-Pentanone	7.788	43	62002	4.072	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	8771m	1.448	ug/l	
47) Methyl methacrylate	6.962	69	19205	1.581	ug/l	92
48) Ethyl methacrylate	8.335	69	17890	0.776	ug/l	100
49) Toluene	7.968	92	55580	0.792	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	27766	0.806	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	35169	0.835	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	17096	0.813	ug/l	95
53) 1,3-Dichloropropane	8.573	76	29473	0.820	ug/l	99
54) 2-Hexanone	8.685	43	62221	3.648	ug/l	99
55) Dibromochloromethane	8.804	129	20595	0.811	ug/l	97
56) 1,2-Dibromoethane	8.923	107	16271	0.847	ug/l	98
58) Tetrachloroethene	8.547	164	26727	0.833	ug/l	97
59) Chlorobenzene	9.447	112	64001	0.825	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.528	131	22866	0.828	ug/l	95
61) Pentachloroethane	11.421	117	14592	0.780	ug/l	93
62) Hexachloroethane	12.470	117	13008	0.657	ug/l	94
63) Ethyl Benzene	9.569	91	103057	0.783	ug/l	98
64) m/p-Xylenes	9.692	106	75747	1.498	ug/l	99
65) o-Xylene	10.097	106	38250	0.771	ug/l	97
66) Styrene	10.113	104	59242	0.763	ug/l	97
67) Bromoform	10.290	173	10614	0.779	ug/l	98
69) Isopropylbenzene	10.483	105	95578	0.748	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	21219	0.863	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	16849m	0.827	ug/l	
72) Bromobenzene	10.782	156	24189	0.793	ug/l	92
73) n-propylbenzene	10.904	120	22609	0.687	ug/l	100
74) 2-Chlorotoluene	10.984	126	23840	0.778	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	79156	0.725	ug/l	99
76) 4-Chlorotoluene	11.097	126	24115	0.773	ug/l	94
77) tert-Butylbenzene	11.418	119	73599	0.735	ug/l	100
78) 1,2,4-Trimethylbenzene	11.467	105	77607	0.718	ug/l	99
79) sec-Butylbenzene	11.640	105	89724	0.710	ug/l	100
80) Nitrobenzene	13.219	77	3068m	4.717	ug/l	
81) p-Isopropyltoluene	11.791	119	70564	0.693	ug/l	96
82) 1,3-Dichlorobenzene	11.743	146	50670	0.814	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	49222	0.817	ug/l	99
84) n-Butylbenzene	12.206	91	68613	0.791	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	47942	0.843	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	3148	0.897	ug/l	88
87) 1,2,4-Trichlorobenzene	13.839	180	26718	0.866	ug/l	93
88) Hexachlorobutadiene	14.016	225	15789	0.736	ug/l	96
89) Naphthalene	14.087	128	46629	1.039	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	24428	0.922	ug/l	98

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

