

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
 Data File : VU057809.D
 Acq On : 05 Feb 2024 16:43
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 06 01:03:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 00:58:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	43436	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	16405	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14551	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	150355	10.406	ug/l	100
3) Chloromethane	1.518	50	140902	10.110	ug/l	99
4) Vinyl Chloride	1.599	62	148924	10.512	ug/l	100
5) Bromomethane	1.853	94	88953	10.726	ug/l	100
6) Chloroethane	1.927	64	98384	11.034	ug/l	100
7) Trichlorofluoromethane	2.126	101	233900	11.266	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	113458	10.219	ug/l	97
9) 1,1-Dichloroethene	2.570	96	109133	10.199	ug/l	96
10) Iodomethane	2.711	142	171656	13.184	ug/l	92
11) Allyl Chloride	2.910	41	170212	11.503	ug/l	90
12) Acrylonitrile	3.312	53	49112	25.946	ug/l	97
13) Acetone	2.637	43	215925	65.575	ug/l	93
14) Carbon Disulfide	2.782	76	347932	10.134	ug/l	99
15) Methylene Chloride	3.033	84	125273	9.744	ug/l	97
16) trans-1,2-Dichloroethene	3.341	96	119673	10.246	ug/l	95
17) 1,1-Dichloroethane	3.856	63	244285	10.950	ug/l	98
18) 2-Butanone	4.718	43	244822	67.956	ug/l	97
19) Cyclohexane	5.370	56	195180	11.123	ug/l	97
20) Methylcyclohexane	6.753	83	223176	10.644	ug/l	96
21) 2,2-Dichloropropane	4.650	77	220082	11.190	ug/l	96
22) cis-1,2-Dichloroethene	4.656	96	132694	10.407	ug/l	91
23) Diethyl Ether	2.367	59	85451	10.922	ug/l	99
24) tert-Butyl Alcohol	3.238	59	49139m	61.349	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	283098	11.135	ug/l	95
26) Bromochloromethane	4.962	128	51359	10.028	ug/l	89
27) Chloroform	5.078	83	243852	10.599	ug/l	99
28) 1,1,1-Trichloroethane	5.303	97	215528	10.415	ug/l	98
29) 1,1-Dichloropropene	5.512	75	180015	10.704	ug/l	97
30) Carbon Tetrachloride	5.508	117	188757	10.558	ug/l	99
31) Isopropyl Ether	3.988	45	382569	11.606	ug/l	94
32) Ethyl-t-butyl ether	4.502	59	369850	12.086	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	307894	11.935	ug/l	98
34) Propionitrile	4.795	54	44524	59.832	ug/l	# 12
35) Benzene	5.762	78	512384	10.562	ug/l	100
36) 1,2-Dichloroethane	5.788	62	152523	10.768	ug/l	97
37) Trichloroethene	6.534	130	132831	10.364	ug/l	98
38) 1,2-Dichloropropane	6.785	63	137473	10.868	ug/l	100
39) Methacrylonitrile	4.972	41	40134	13.176	ug/l	93
40) Methyl acrylate	4.846	55	68083	14.950	ug/l	# 98
41) Tetrahydrofuran	5.065	42	38437	24.004	ug/l	97
42) 1-Chlorobutane	5.444	56	241075	10.851	ug/l	97
43) Dibromomethane	6.914	93	64490	11.139	ug/l	94
44) Bromodichloromethane	7.100	83	173633	10.719	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	364099	61.315	ug/l	98
46) t-1,4-Dichloro-2-butene	10.839	75	34346m	20.527	ug/l	
47) Methyl methacrylate	6.962	69	118897	23.092	ug/l	92
48) Ethyl methacrylate	8.332	69	118406	11.561	ug/l	96
49) Toluene	7.962	92	316090	10.675	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	161088	11.455	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	196750	11.098	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	87479	10.926	ug/l	99
53) 1,3-Dichloropropane	8.569	76	156120	10.818	ug/l	99
54) 2-Hexanone	8.688	43	357486	63.641	ug/l	98
55) Dibromochloromethane	8.804	129	106059	10.761	ug/l	99
56) 1,2-Dibromoethane	8.920	107	82570	11.237	ug/l	98
58) Tetrachloroethene	8.547	164	113335	10.026	ug/l	95
59) Chlorobenzene	9.441	112	348276	10.696	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	121909	10.992	ug/l	97
61) Pentachloroethane	11.421	117	92470	11.601	ug/l	92
62) Hexachloroethane	12.470	117	106876	12.137	ug/l	96
63) Ethyl Benzene	9.563	91	628633	10.847	ug/l	98
64) m/p-Xylenes	9.688	106	463596	22.045	ug/l	97
65) o-Xylene	10.094	106	227366	10.927	ug/l	95
66) Styrene	10.110	104	361377	11.616	ug/l	96
67) Bromoform	10.286	173	55332	11.032	ug/l	100
69) Isopropylbenzene	10.479	105	611546	11.220	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	107457	10.846	ug/l	100
71) 1,2,3-Trichloropropane	10.833	75	89927m	11.075	ug/l	
72) Bromobenzene	10.778	156	128200	10.760	ug/l	96
73) n-propylbenzene	10.901	120	163901	11.912	ug/l	97
74) 2-Chlorotoluene	10.981	126	138781	10.975	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	525086	11.191	ug/l	98
76) 4-Chlorotoluene	11.093	126	142343	11.169	ug/l	95
77) tert-Butylbenzene	11.415	119	505518	11.465	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	529857	11.140	ug/l	99
79) sec-Butylbenzene	11.637	105	669265	11.773	ug/l	99
80) Nitrobenzene	13.203	77	16158	78.396	ug/l	95
81) p-Isopropyltoluene	11.788	119	555917	11.702	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	259784	10.762	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	257804	10.901	ug/l	98
84) n-Butylbenzene	12.203	91	540409	11.976	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	240852	10.924	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.990	75	18084	13.079	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	156131	11.920	ug/l	97
88) Hexachlorobutadiene	14.016	225	95186	11.300	ug/l	100
89) Naphthalene	14.084	128	266945	13.180	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	132668	12.051	ug/l	99

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

