

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047134.D
 Acq On : 14 Feb 2022 15:37
 Operator : SY/MD
 Sample : VU0214WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 15 03:50:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	56952	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	21887	0.992	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22578	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	34104	1.796	ug/l	98
3) Chloromethane	1.533	50	36937	1.894	ug/l	94
4) Vinyl Chloride	1.610	62	36980	1.921	ug/l	98
5) Bromomethane	1.864	94	23525	1.870	ug/l	100
6) Chloroethane	1.941	64	21293	1.925	ug/l	98
7) Trichlorofluoromethane	2.147	101	42526	1.874	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	24361	1.862	ug/l	94
9) 1,1-Dichloroethene	2.591	96	24617	1.829	ug/l	98
10) Iodomethane	2.732	142	20633	2.072	ug/l	99
11) Allyl Chloride	2.932	41	39193	1.868	ug/l	94
12) Acrylonitrile	3.324	53	13630	3.450	ug/l	95
13) Acetone	2.636	43	17397	8.737	ug/l	100
14) Carbon Disulfide	2.803	76	88192	1.937	ug/l	100
15) Methylene Chloride	3.054	84	29696	1.964	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	26875	1.892	ug/l	95
17) 1,1-Dichloroethane	3.877	63	49776	1.912	ug/l	99
18) 2-Butanone	4.716	43	31781	7.984	ug/l	95
19) Cyclohexane	5.395	56	45131m	1.871	ug/l	
20) Methylcyclohexane	6.767	83	48614	1.829	ug/l	97
21) 2,2-Dichloropropane	4.671	77	44290	1.904	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	30750	1.882	ug/l	94
23) Diethyl Ether	2.382	59	20675	1.900	ug/l	99
24) tert-Butyl Alcohol	3.202	59	12490	17.652	ug/l #	77
25) Methyl tert-Butyl Ether	3.372	73	69049	1.829	ug/l	96
26) Bromochloromethane	4.980	128	14000	1.905	ug/l	91
27) Chloroform	5.096	83	50570	1.915	ug/l	96
28) 1,1,1-Trichloroethane	5.321	97	43483	1.902	ug/l	98
29) 1,1-Dichloropropene	5.533	75	39806	1.902	ug/l	99
30) Carbon Tetrachloride	5.530	117	37992	1.890	ug/l	98
31) Isopropyl Ether	4.002	45	78680	1.890	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	78830	1.863	ug/l	97
33) Tert-Amyl methyl ether	5.944	73	73300	1.880	ug/l	99
34) Propionitrile	4.796	54	8058	7.977	ug/l #	93
35) Benzene	5.780	78	113273	1.931	ug/l	99
36) 1,2-Dichloroethane	5.800	62	33820	1.904	ug/l	100
37) Trichloroethene	6.546	130	30994	1.908	ug/l	94
38) 1,2-Dichloropropane	6.796	63	29854	1.923	ug/l	99
39) Methacrylonitrile	4.983	41	8977	1.678	ug/l	93
40) Methyl acrylate	4.854	55	14937	1.652	ug/l #	95
41) Tetrahydrofuran	5.063	42	8870	3.255	ug/l	97
42) 1-Chlorobutane	5.465	56	53473	1.903	ug/l	100
43) Dibromomethane	6.922	93	15868	1.895	ug/l	93
44) Bromodichloromethane	7.112	83	37628	1.900	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	105152	9.287	ug/l	93
46) t-1,4-Dichloro-2-butene	10.838	75	16890m	3.427	ug/l	
47) Methyl methacrylate	6.967	69	31840	3.626	ug/l	94
48) Ethyl methacrylate	8.337	69	33426	1.878	ug/l	96
49) Toluene	7.973	92	72345	1.912	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	39648	1.850	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	46297	1.927	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	22524	1.886	ug/l	95
53) 1,3-Dichloropropane	8.578	76	40819	1.913	ug/l	99
54) 2-Hexanone	8.687	43	73117	8.668	ug/l	99
55) Dibromochloromethane	8.812	129	26289	1.810	ug/l	98
56) 1,2-Dibromoethane	8.928	107	22269	1.845	ug/l	97
58) Tetrachloroethene	8.555	164	28011	1.869	ug/l	98
59) Chlorobenzene	9.449	112	80210	1.901	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	27969	1.929	ug/l	97
61) Pentachloroethane	11.430	117	20460	1.859	ug/l	88
62) Hexachloroethane	12.478	117	20992	1.766	ug/l #	81
63) Ethyl Benzene	9.574	91	140758	1.898	ug/l	99
64) m/p-Xylenes	9.697	106	106959	3.783	ug/l	97
65) o-Xylene	10.105	106	52944	1.933	ug/l	95
66) Styrene	10.118	104	87381	1.880	ug/l	97
67) Bromoform	10.295	173	16578	1.801	ug/l #	98
69) Isopropylbenzene	10.488	105	137120	1.862	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	30131	1.866	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	21273m	1.561	ug/l	
72) Bromobenzene	10.787	156	33502	1.863	ug/l	90
73) n-propylbenzene	10.909	120	36960	1.823	ug/l	92
74) 2-Chlorotoluene	10.989	126	32935	1.905	ug/l	89
75) 1,3,5-Trimethylbenzene	11.089	105	111478	1.846	ug/l	99
76) 4-Chlorotoluene	11.098	126	33037	1.819	ug/l	87
77) tert-Butylbenzene	11.420	119	112596	1.858	ug/l	95
78) 1,2,4-Trimethylbenzene	11.468	105	113202	1.836	ug/l	98
79) sec-Butylbenzene	11.645	105	148050	1.840	ug/l	98
80) Nitrobenzene	13.208	77	5925	7.600	ug/l	96
81) p-Isopropyltoluene	11.793	119	122196	1.794	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	65010	1.857	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	65358	1.853	ug/l	97
84) n-Butylbenzene	12.208	91	114873	1.757	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	61611	1.828	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	5233	1.767	ug/l	87
87) 1,2,4-Trichlorobenzene	13.841	180	47390	1.791	ug/l	98
88) Hexachlorobutadiene	14.021	225	24237	1.791	ug/l	99
89) Naphthalene	14.089	128	96626	1.782	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	44663	1.881	ug/l	98

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

