

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047125.D
 Acq On : 14 Feb 2022 10:11
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 12:39:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 14 12:38:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	56832	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	21492	1.104	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22228	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	8509	0.477	ug/l	99
3) Chloromethane	1.533	50	9298	0.456	ug/l	99
4) Vinyl Chloride	1.610	62	9030	0.463	ug/l	97
5) Bromomethane	1.864	94	6313	0.551	ug/l	97
6) Chloroethane	1.944	64	5172	0.434	ug/l	95
7) Trichlorofluoromethane	2.147	101	10609	0.432	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	5988	0.410	ug/l	95
9) 1,1-Dichloroethene	2.591	96	6892	0.535	ug/l	99
11) Allyl Chloride	2.932	41	9971	0.446	ug/l	99
12) Acrylonitrile	3.327	53	4831m	1.107	ug/l	
13) Acetone	2.649	43	5411	1.517	ug/l	96
14) Carbon Disulfide	2.803	76	21362	0.521	ug/l	# 95
15) Methylene Chloride	3.054	84	7890	0.483	ug/l	100
16) trans-1,2-Dichloroethene	3.362	96	6474	0.446	ug/l	95
17) 1,1-Dichloroethane	3.880	63	12322	0.437	ug/l	98
18) 2-Butanone	4.729	43	9459	1.799	ug/l	97
19) Cyclohexane	5.394	56	11333m	0.489	ug/l	
20) Methylcyclohexane	6.771	83	12472	0.561	ug/l	95
21) 2,2-Dichloropropane	4.671	77	10582	0.491	ug/l	# 91
22) cis-1,2-Dichloroethene	4.674	96	8127	0.498	ug/l	86
23) Diethyl Ether	2.385	59	5159	0.449	ug/l	97
25) Methyl tert-Butyl Ether	3.372	73	18557	0.490	ug/l	95
26) Bromochloromethane	4.986	128	3355	0.429	ug/l	94
27) Chloroform	5.095	83	13171	0.436	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	10654	0.453	ug/l	98
29) 1,1-Dichloropropene	5.533	75	9923	0.490	ug/l	98
30) Carbon Tetrachloride	5.526	117	9033	0.447	ug/l	93
31) Isopropyl Ether	4.005	45	19446	0.454	ug/l	96
32) Ethyl-t-butyl ether	4.513	59	19788	0.514	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	18293	0.533	ug/l	96
34) Propionitrile	4.813	54	2345	1.500	ug/l	# 90
35) Benzene	5.780	78	27142	0.445	ug/l	100
36) 1,2-Dichloroethane	5.800	62	7991	0.430	ug/l	99
37) Trichloroethene	6.549	130	7589	0.493	ug/l	88
38) 1,2-Dichloropropane	6.796	63	7147	0.442	ug/l	97
39) Methacrylonitrile	4.986	41	2648	0.457	ug/l	# 87
40) Methyl acrylate	4.861	55	4389	0.497	ug/l	# 94
41) Tetrahydrofuran	5.076	42	3228	0.988	ug/l	93
42) 1-Chlorobutane	5.465	56	13460	0.464	ug/l	98
43) Dibromomethane	6.925	93	3882	0.439	ug/l	91
44) Bromodichloromethane	7.111	83	9221	0.439	ug/l	92
45) 4-Methyl-2-Pentanone	7.796	43	26234	2.407	ug/l	98
46) t-1,4-Dichloro-2-butene	10.841	75	4612m	1.063	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.970	69	8826	1.128	ug/l	89
48) Ethyl methacrylate	8.336	69	7994	0.563	ug/l	95
49) Toluene	7.973	92	16971	0.469	ug/l	96
50) t-1,3-Dichloropropene	8.214	75	9754	0.531	ug/l	98
51) cis-1,3-Dichloropropene	7.613	75	10811	0.513	ug/l	95
52) 1,1,2-Trichloroethane	8.404	97	5510	0.436	ug/l	97
53) 1,3-Dichloropropane	8.581	76	9910	0.457	ug/l	99
54) 2-Hexanone	8.690	43	20335	2.587	ug/l	92
55) Dibromochloromethane	8.812	129	6372	0.444	ug/l	99
56) 1,2-Dibromoethane	8.928	107	5585	0.475	ug/l	99
58) Tetrachloroethene	8.555	164	6823	0.479	ug/l	96
59) Chlorobenzene	9.452	112	19337	0.498	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.539	131	6593	0.455	ug/l	97
61) Pentachloroethane	11.430	117	4828	0.403	ug/l	84
62) Hexachloroethane	12.478	117	5160	0.445	ug/l #	80
63) Ethyl Benzene	9.574	91	33654	0.524	ug/l	98
64) m/p-Xylenes	9.697	106	24600	0.978	ug/l	98
65) o-Xylene	10.102	106	12038	0.499	ug/l	96
66) Styrene	10.118	104	20268	0.498	ug/l	98
67) Bromoform	10.291	173	4141	0.472	ug/l #	94
69) Isopropylbenzene	10.488	105	32782	0.522	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	7333	0.437	ug/l	99
71) 1,2,3-Trichloropropane	10.828	75	6247m	0.474	ug/l	
72) Bromobenzene	10.787	156	8094	0.471	ug/l	91
73) n-propylbenzene	10.906	120	8947	0.512	ug/l	89
74) 2-Chlorotoluene	10.989	126	7848	0.493	ug/l	82
75) 1,3,5-Trimethylbenzene	11.089	105	26937	0.493	ug/l	100
76) 4-Chlorotoluene	11.102	126	8144	0.493	ug/l	85
77) tert-Butylbenzene	11.420	119	27406	0.510	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	27548	0.495	ug/l	98
79) sec-Butylbenzene	11.645	105	35328	0.489	ug/l	99
80) Nitrobenzene	13.214	77	1886	2.635	ug/l #	84
81) p-Isopropyltoluene	11.796	119	30143	0.504	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	15862	0.462	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	16167	0.480	ug/l	97
84) n-Butylbenzene	12.211	91	28408	0.496	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	15763	0.477	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1416	0.520	ug/l	90
87) 1,2,4-Trichlorobenzene	13.844	180	11963	0.555	ug/l	98
88) Hexachlorobutadiene	14.024	225	5797	0.430	ug/l	95
90) 1,2,3-Trichlorobenzene	14.333	180	10322	0.486	ug/l	96

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

