

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
 Data File : VU044352.D
 Acq On : 16 Jul 2021 14:13
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/19/2021 5:54:51 PM

Quant Time: Jul 16 14:33:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:21:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	53628	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	21169	0.979	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	21296	0.996	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	97470	5.008	ug/l	99
3) Chloromethane	1.527	50	103204	4.957	ug/l	99
4) Vinyl Chloride	1.607	62	107204	5.012	ug/l	100
5) Bromomethane	1.861	94	57369	5.046	ug/l	99
6) Chloroethane	1.938	64	60783	4.942	ug/l	99
7) Trichlorofluoromethane	2.144	101	115742	4.949	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	73293	4.968	ug/l	97
9) 1,1-Dichloroethene	2.588	96	70650	4.958	ug/l	93
10) Iodomethane	2.729	142	93551	4.760	ug/l	88
11) Allyl Chloride	2.932	41	116122	4.943	ug/l	# 81
12) Acrylonitrile	3.330	53	34763	9.560	ug/l	87
13) Acetone	2.636	43	37406	20.668	ug/l	92
14) Carbon Disulfide	2.800	76	232563	4.884	ug/l	99
15) Methylene Chloride	3.054	84	92239	5.418	ug/l	94
16) trans-1,2-Dichloroethene	3.359	96	78652	5.016	ug/l	98
17) 1,1-Dichloroethane	3.880	63	147169	5.026	ug/l	99
18) 2-Butanone	4.732	43	85462	21.876	ug/l	98
19) Cyclohexane	5.388	56	135375	5.033	ug/l	98
20) Methylcyclohexane	6.768	83	142860	4.939	ug/l	99
21) 2,2-Dichloropropane	4.674	77	118428	4.886	ug/l	95
22) cis-1,2-Dichloroethene	4.678	96	86052	4.972	ug/l	94
23) Diethyl Ether	2.385	59	60629	5.022	ug/l	99
24) tert-Butyl Alcohol	3.202	59	34977	46.677	ug/l	98
25) Methyl tert-Butyl Ether	3.379	73	199603	4.969	ug/l	92
26) Bromochloromethane	4.986	128	37099	5.190	ug/l	96
27) Chloroform	5.099	83	140460	5.038	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	118984	5.016	ug/l	98
29) 1,1-Dichloropropene	5.530	75	113408	4.944	ug/l	100
30) Carbon Tetrachloride	5.530	117	98142	4.932	ug/l	98
31) Isopropyl Ether	4.012	45	247946	4.984	ug/l	95
32) Ethyl-t-butyl ether	4.523	59	245045	4.996	ug/l	99
33) Tert-Amyl methyl ether	5.960	73	208105	4.875	ug/l	98
34) Propionitrile	4.800	54	22820	21.756	ug/l	# 97
35) Benzene	5.780	78	332072	5.075	ug/l	99
36) 1,2-Dichloroethane	5.806	62	93975	5.095	ug/l	96
37) Trichloroethene	6.549	130	81409	4.891	ug/l	95
38) 1,2-Dichloropropane	6.803	63	87681	5.041	ug/l	100
39) Methacrylonitrile	4.993	41	29051	4.990	ug/l	95
40) Methyl acrylate	4.864	55	43803	4.796	ug/l	98
41) Tetrahydrofuran	5.080	42	25668	9.462	ug/l	97
42) 1-Chlorobutane	5.465	56	158262	4.994	ug/l	94
43) Dibromomethane	6.928	93	43437	4.965	ug/l	98
44) Bromodichloromethane	7.115	83	102379	4.951	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	290966	24.423	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	47741m	8.905	ug/l	
47) Methyl methacrylate	6.977	69	94387	9.815	ug/l #	89
48) Ethyl methacrylate	8.346	69	97941	4.910	ug/l	93
49) Toluene	7.976	92	210484	4.999	ug/l	98
50) t-1,3-Dichloropropene	8.218	75	106427	4.779	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	124915	4.834	ug/l	92
52) 1,1,2-Trichloroethane	8.411	97	64805	5.131	ug/l	99
53) 1,3-Dichloropropane	8.584	76	117707	5.054	ug/l	100
54) 2-Hexanone	8.700	43	208872	24.525	ug/l	92
55) Dibromochloromethane	8.819	129	68878	4.887	ug/l	100
56) 1,2-Dibromoethane	8.931	107	61530	4.930	ug/l	100
58) Tetrachloroethene	8.558	164	70888	4.971	ug/l	98
59) Chlorobenzene	9.452	112	218244	4.906	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	73890	4.937	ug/l	99
61) Pentachloroethane	11.433	117	57635	4.829	ug/l	97
62) Hexachloroethane	12.481	117	61383	4.778	ug/l	99
63) Ethyl Benzene	9.578	91	394117	4.913	ug/l	100
64) m/p-Xylenes	9.700	106	301732	9.845	ug/l	99
65) o-Xylene	10.105	106	146016	4.925	ug/l	100
66) Styrene	10.121	104	253440	4.930	ug/l	98
67) Bromoform	10.298	173	38217	4.644	ug/l	99
69) Isopropylbenzene	10.491	105	391018	4.936	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	83807	4.936	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	71426m	4.951	ug/l	
72) Bromobenzene	10.790	156	88520	4.925	ug/l	94
73) n-propylbenzene	10.912	120	105774	4.879	ug/l	95
74) 2-Chlorotoluene	10.992	126	88058	4.939	ug/l	89
75) 1,3,5-Trimethylbenzene	11.092	105	331788	4.965	ug/l	100
76) 4-Chlorotoluene	11.102	126	93486	5.042	ug/l	99
77) tert-Butylbenzene	11.427	119	324427	4.953	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	338583	4.930	ug/l	100
79) sec-Butylbenzene	11.648	105	441483	4.929	ug/l	98
80) Nitrobenzene	13.214	77	11486	20.599	ug/l #	96
81) p-Isopropyltoluene	11.799	119	368189	4.925	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	176979	4.973	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	177954	4.968	ug/l	99
84) n-Butylbenzene	12.214	91	358463	4.797	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	172652	5.011	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	14491	4.666	ug/l	97
87) 1,2,4-Trichlorobenzene	13.848	180	121392	4.743	ug/l	98
88) Hexachlorobutadiene	14.028	225	58584	4.810	ug/l	99
89) Naphthalene	14.092	128	243590	4.660	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	111449	4.833	ug/l	98

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

