

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
 Data File : VU042535.D
 Acq On : 09 Mar 2021 11:55
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:18:52 PM

Quant Time: Mar 10 06:04:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 10 05:59:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	24341	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	10433	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	10978	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	51752	5.37	ug/l	99
3) Chloromethane	1.523	50	44009	5.01	ug/l	98
4) Vinyl Chloride	1.607	62	43042	5.15	ug/l	98
5) Bromomethane	1.861	94	25485	5.86	ug/l	95
6) Chloroethane	1.938	64	26872	5.64	ug/l	98
7) Trichlorofluoromethane	2.144	101	72429	6.02	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	37858	5.93	ug/l	98
9) 1,1-Dichloroethene	2.588	96	32803	5.75	ug/l	99
10) Iodomethane	2.732	142	52735	6.24	ug/l	99
11) Allyl Chloride	2.932	41	60477	5.23	ug/l	99
12) Acrylonitrile	3.327	53	16544	11.73	ug/l #	84
13) Acetone	2.639	43	25665	27.18	ug/l	98
14) Carbon Disulfide	2.800	76	103419	5.55	ug/l	99
15) Methylene Chloride	3.054	84	36395	5.13	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	34370	5.61	ug/l	99
17) 1,1-Dichloroethane	3.880	63	68949	5.65	ug/l	99
18) 2-Butanone	4.732	43	52055	27.57	ug/l	99
19) Cyclohexane	5.391	56	62213m	5.18	ug/l	
20) Methylcyclohexane	6.768	83	58170	4.74	ug/l	98
21) 2,2-Dichloropropane	4.678	77	65258	5.60	ug/l	98
22) cis-1,2-Dichloroethene	4.678	96	38011	5.58	ug/l	97
23) Diethyl Ether	2.385	59	27276	5.85	ug/l	99
24) tert-Butyl Alcohol	3.208	59	15599	45.39	ug/l #	90
25) Methyl tert-Butyl Ether	3.379	73	90703	5.39	ug/l	100
26) Bromochloromethane	4.983	128	17654	5.68	ug/l	96
27) Chloroform	5.102	83	70095	5.74	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	64992	5.73	ug/l	97
29) 1,1-Dichloropropene	5.533	75	49704	4.93	ug/l	99
30) Carbon Tetrachloride	5.530	117	55736	5.33	ug/l	98
31) Isopropyl Ether	4.012	45	120477	5.33	ug/l	100
32) Ethyl-t-butyl ether	4.523	59	107072	5.29	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	89650	4.84	ug/l	98
34) Propionitrile	4.803	54	11162	23.59	ug/l #	94
35) Benzene	5.784	78	138696	5.12	ug/l	100
36) 1,2-Dichloroethane	5.806	62	53730	5.45	ug/l	99
37) Trichloroethene	6.549	130	38018	5.22	ug/l	99
38) 1,2-Dichloropropane	6.803	63	38530	5.22	ug/l	99
39) Methacrylonitrile	4.996	41	15464	5.45	ug/l	99
40) Methyl acrylate	4.864	55	20278	5.30	ug/l	97
41) Tetrahydrofuran	5.080	42	13415	11.11	ug/l	94
42) 1-Chlorobutane	5.465	56	71619	4.86	ug/l	99
43) Dibromomethane	6.928	93	22310	5.66	ug/l	100
44) Bromodichloromethane	7.118	83	51020	5.34	ug/l	99

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45) 4-Methyl-2-Pentanone	7.809	43	159402	24.61	ug/l	100
46) t-1,4-Dichloro-2-butene	10.845	75	20490m	9.96	ug/l	
47) Methyl methacrylate	6.977	69	39702	9.92	ug/l	95
48) Ethyl methacrylate	8.346	69	39649	4.70	ug/l	99
49) Toluene	7.976	92	89256	5.24	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	48465	5.00	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	54540	5.05	ug/l	97
52) 1,1,2-Trichloroethane	8.411	97	28410	5.28	ug/l	96
53) 1,3-Dichloropropane	8.587	76	51601	5.32	ug/l	100
54) 2-Hexanone	8.700	43	117367	25.00	ug/l	99
55) Dibromochloromethane	8.819	129	35756	5.49	ug/l	98
56) 1,2-Dibromoethane	8.935	107	29644	5.57	ug/l	97
58) Tetrachloroethene	8.562	164	38354	5.87	ug/l	98
59) Chlorobenzene	9.456	112	97619	5.26	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.542	131	37047	5.30	ug/l	97
61) Pentachloroethane	11.436	117	31162	5.64	ug/l	98
62) Hexachloroethane	12.484	117	30509	5.54	ug/l	97
63) Ethyl Benzene	9.578	91	175739	5.23	ug/l	99
64) m/p-Xylenes	9.700	106	135745	10.76	ug/l	100
65) o-Xylene	10.108	106	63406	5.12	ug/l	98
66) Styrene	10.121	104	112311	5.39	ug/l	99
67) Bromoform	10.301	173	23459	5.65	ug/l	97
69) Isopropylbenzene	10.491	105	175808	5.25	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	38087	5.36	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	30952m	5.52	ug/l	
72) Bromobenzene	10.790	156	46356	5.44	ug/l	98
73) n-propylbenzene	10.915	120	47965	5.35	ug/l	95
74) 2-Chlorotoluene	10.996	126	43478	5.44	ug/l	99
75) 1,3,5-Trimethylbenzene	11.095	105	159319	5.44	ug/l	99
76) 4-Chlorotoluene	11.105	126	46312	5.68	ug/l	97
77) tert-Butylbenzene	11.430	119	156371	5.40	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	163595	5.54	ug/l	99
79) sec-Butylbenzene	11.652	105	202906	5.41	ug/l	100
80) Nitrobenzene	13.221	77	4766	24.19	ug/l #	99
81) p-Isopropyltoluene	11.803	119	176659	5.54	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	91868	5.68	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	90515	5.54	ug/l	99
84) n-Butylbenzene	12.217	91	163358	5.36	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	88385	5.60	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	7894	5.45	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	63309	5.29	ug/l	99
88) Hexachlorobutadiene	14.031	225	40207	5.85	ug/l	99
89) Naphthalene	14.095	128	106178	4.79	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	61559	5.60	ug/l	99

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

