

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083121\
 Data File : VU044540.D
 Acq On : 31 Aug 2021 20:42
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU083121

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 12:53:19 PM

Quant Time: Sep 01 01:30:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U083121DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Sep 01 01:29:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	21342	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	8778	1.074	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	10004	1.055	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	50197	5.880	ug/l	100
3) Chloromethane	1.523	50	76155	7.815	ug/l	100
4) Vinyl Chloride	1.607	62	92923	8.269	ug/l	99
5) Bromomethane	1.861	94	72192	7.989	ug/l	99
6) Chloroethane	1.938	64	71114	8.410	ug/l	99
7) Trichlorofluoromethane	2.144	101	163263	9.031	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	99889	9.115	ug/l	99
9) 1,1-Dichloroethene	2.588	96	100119	9.895	ug/l	98
10) Iodomethane	2.729	142	124054	10.161	ug/l	99
11) Allyl Chloride	2.932	41	116984	10.141	ug/l	98
12) Acrylonitrile	3.330	53	111430	61.019	ug/l	93
13) Acetone	2.639	43	61924	58.443	ug/l	99
14) Carbon Disulfide	2.800	76	286322	9.742	ug/l	100
15) Methylene Chloride	3.054	84	124717	7.907	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	112336	10.284	ug/l	100
17) 1,1-Dichloroethane	3.877	63	191131	10.395	ug/l	99
18) 2-Butanone	4.735	43	119596	59.937	ug/l	99
19) Cyclohexane	5.388	56	168539m	10.139	ug/l	
20) Methylcyclohexane	6.767	83	100146	10.361	ug/l	99
21) 2,2-Dichloropropane	4.674	77	153994	9.187	ug/l	100
22) cis-1,2-Dichloroethene	4.674	96	134273	10.765	ug/l	99
23) Diethyl Ether	2.385	59	72794	10.136	ug/l	99
24) tert-Butyl Alcohol	3.208	59	16944	44.950	ug/l	# 77
25) Methyl tert-Butyl Ether	3.379	73	268948	10.780	ug/l	99
26) Bromochloromethane	4.983	128	59705	10.149	ug/l	99
27) Chloroform	5.099	83	219622	10.228	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	190369	10.364	ug/l	99
29) 1,1-Dichloropropene	5.530	75	81946	10.160	ug/l	99
30) Carbon Tetrachloride	5.526	117	84401	10.540	ug/l	99
31) Isopropyl Ether	4.012	45	279728	10.780	ug/l	# 1
34) Propionitrile	4.806	54	89638	163.294	ug/l	# 96
35) Benzene	5.780	78	239865	10.353	ug/l	100
36) 1,2-Dichloroethane	5.806	62	77873	10.298	ug/l	98
37) Trichloroethene	6.549	130	68392	10.239	ug/l	100
38) 1,2-Dichloropropane	6.803	63	60970	10.445	ug/l	99
39) Methacrylonitrile	4.996	41	35164	11.426	ug/l	96
40) Methyl acrylate	4.864	55	64388	12.860	ug/l	# 93
41) Tetrahydrofuran	5.083	42	89256	59.512	ug/l	97
42) 1-Chlorobutane	5.462	56	107301	10.333	ug/l	98
43) Dibromomethane	6.928	93	38254	10.703	ug/l	99
44) Bromodichloromethane	7.115	83	88317	10.703	ug/l	99
45) 4-Methyl-2-Pentanone	7.812	43	190895	52.176	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	24143m	15.628	ug/l	

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47) Methyl methacrylate	6.976	69	30372	10.230	ug/l	99
48) Ethyl methacrylate	8.346	69	64184	10.652	ug/l	99
49) Toluene	7.976	92	164253	10.740	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	81046	11.179	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	92525	11.202	ug/l	99
52) 1,1,2-Trichloroethane	8.410	97	53704	10.562	ug/l	98
53) 1,3-Dichloropropane	8.584	76	89190	10.223	ug/l	99
54) 2-Hexanone	8.703	43	133940	51.477	ug/l	98
55) Dibromochloromethane	8.819	129	61227	10.629	ug/l	99
56) 1,2-Dibromoethane	8.931	107	52665	10.541	ug/l	99
58) Tetrachloroethene	8.558	164	64982	10.316	ug/l	99
59) Chlorobenzene	9.452	112	179215	10.338	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	64889	10.452	ug/l	99
61) Pentachloroethane	11.436	117	54869	11.143	ug/l	99
62) Hexachloroethane	12.481	117	56256	11.339	ug/l	98
63) Ethyl Benzene	9.578	91	320267	11.173	ug/l	99
64) m/p-Xylenes	9.700	106	264104	22.963	ug/l	100
65) o-Xylene	10.108	106	126014	11.313	ug/l	100
66) Styrene	10.121	104	218010	11.572	ug/l	99
67) Bromoform	10.298	173	35978	11.068	ug/l	99
69) Isopropylbenzene	10.491	105	331114	11.401	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	70040	10.237	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	50448m	10.342	ug/l	
72) Bromobenzene	10.790	156	81114	10.875	ug/l	99
73) n-propylbenzene	10.912	120	93389	11.512	ug/l	99
74) 2-Chlorotoluene	10.992	126	82449	11.331	ug/l	99
75) 1,3,5-Trimethylbenzene	11.095	105	298115	11.827	ug/l	99
76) 4-Chlorotoluene	11.105	126	89854	11.613	ug/l	98
77) tert-Butylbenzene	11.426	119	285959	11.392	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	297460	11.570	ug/l	100
79) sec-Butylbenzene	11.652	105	390362	11.465	ug/l	100
80) Nitrobenzene	13.214	77	1863	11.754	ug/l #	85
81) p-Isopropyltoluene	11.799	119	327804	11.741	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	168361	11.262	ug/l	98
83) 1,4-Dichlorobenzene	11.841	146	172033	11.437	ug/l	99
84) n-Butylbenzene	12.214	91	312390	11.783	ug/l	100
85) 1,2-Dichlorobenzene	12.217	146	165867	11.051	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	11605	11.423	ug/l	97
87) 1,2,4-Trichlorobenzene	13.848	180	110644	11.783	ug/l	99
88) Hexachlorobutadiene	14.028	225	56720	10.865	ug/l	100
89) Naphthalene	14.092	128	211145	11.523	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	104462	11.493	ug/l	99

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

