

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
 Data File : VU044316.D
 Acq On : 07 Jul 2021 14:12
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 6:26:44 PM

Quant Time: Jul 08 01:16:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 08 01:14:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	27654	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	12834	1.296	ug/l	0.00
Spiked Amount 1.000			Recovery	=	130.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	12650	1.195	ug/l	0.00
Spiked Amount 1.000			Recovery	=	120.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	155076	13.739	ug/l	100
3) Chloromethane	1.527	50	140399	11.666	ug/l	98
4) Vinyl Chloride	1.610	62	157027	13.627	ug/l	99
5) Bromomethane	1.864	94	94813	13.681	ug/l	98
6) Chloroethane	1.941	64	101420	14.123	ug/l	100
7) Trichlorofluoromethane	2.147	101	236016	17.438	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	137556	17.604	ug/l	98
9) 1,1-Dichloroethene	2.588	96	118675	16.283	ug/l	98
10) Iodomethane	2.732	142	141525	15.750	ug/l	99
11) Allyl Chloride	2.932	41	205345	17.263	ug/l	100
12) Acrylonitrile	3.327	53	57302	38.916	ug/l	89
13) Acetone	2.636	43	75919	80.722	ug/l	99
14) Carbon Disulfide	2.803	76	318303	13.171	ug/l	99
15) Methylene Chloride	3.054	84	138220	12.536	ug/l	99
16) trans-1,2-Dichloroethene	3.363	96	129665	16.100	ug/l	99
17) 1,1-Dichloroethane	3.880	63	264425	16.968	ug/l	100
18) 2-Butanone	4.729	43	157722	84.629	ug/l	98
19) Cyclohexane	5.388	56	202763	14.151	ug/l	98
20) Methylcyclohexane	6.768	83	221834	18.926	ug/l	99
21) 2,2-Dichloropropane	4.674	77	253955	19.786	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	153927	17.785	ug/l	97
23) Diethyl Ether	2.385	59	99666	16.738	ug/l	99
24) tert-Butyl Alcohol	3.202	59	66282	105.525	ug/l	98
25) Methyl tert-Butyl Ether	3.379	73	361951	19.178	ug/l	99
26) Bromochloromethane	4.986	128	66234	18.596	ug/l	98
27) Chloroform	5.099	83	271817	17.706	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	248030	18.889	ug/l	99
29) 1,1-Dichloropropene	5.533	75	183047	15.617	ug/l	100
30) Carbon Tetrachloride	5.530	117	195653	17.459	ug/l	99
31) Isopropyl Ether	4.012	45	448231	17.911	ug/l	98
32) Ethyl-t-butyl ether	4.523	59	430123	18.812	ug/l	95
33) Tert-Amyl methyl ether	5.957	73	364935	20.661	ug/l	100
34) Propionitrile	4.800	54	38918	80.350	ug/l	98
35) Benzene	5.780	78	502891	14.856	ug/l	100
36) 1,2-Dichloroethane	5.806	62	165113	16.290	ug/l	100
37) Trichloroethene	6.549	130	141124	17.460	ug/l	100
38) 1,2-Dichloropropane	6.803	63	139659	15.559	ug/l	99
39) Methacrylonitrile	4.993	41	52050	18.478	ug/l	96
40) Methyl acrylate	4.864	55	73396	17.002	ug/l	98
41) Tetrahydrofuran	5.080	42	41774	31.450	ug/l	98
42) 1-Chlorobutane	5.465	56	251738	15.003	ug/l	98
43) Dibromomethane	6.928	93	74173	16.537	ug/l	99
44) Bromodichloromethane	7.115	83	188057	16.780	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	529163	102.924	ug/l	100
46) t-1,4-Dichloro-2-butene	10.848	75	94210m	41.252	ug/l	
47) Methyl methacrylate	6.977	69	154162	39.843	ug/l	99
48) Ethyl methacrylate	8.346	69	165135	22.714	ug/l	99
49) Toluene	7.976	92	335322	17.716	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	199275	20.020	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	220614	19.731	ug/l	98
52) 1,1,2-Trichloroethane	8.411	97	103749	16.166	ug/l	99
53) 1,3-Dichloropropane	8.584	76	188919	16.698	ug/l	100
54) 2-Hexanone	8.700	43	385688	107.932	ug/l	99
55) Dibromochloromethane	8.819	129	136142	18.789	ug/l	100
56) 1,2-Dibromoethane	8.931	107	103365	17.812	ug/l	100
58) Tetrachloroethene	8.558	164	127323	17.113	ug/l	99
59) Chlorobenzene	9.452	112	378498	18.628	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	143105	18.550	ug/l	99
61) Pentachloroethane	11.436	117	113510	18.169	ug/l	99
62) Hexachloroethane	12.481	117	131071	20.734	ug/l	100
63) Ethyl Benzene	9.578	91	678282	20.300	ug/l	99
64) m/p-Xylenes	9.700	106	523521	39.851	ug/l	99
65) o-Xylene	10.108	106	258903	20.960	ug/l	99
66) Styrene	10.121	104	450594	20.795	ug/l	99
67) Bromoform	10.298	173	82600	20.502	ug/l	99
69) Isopropylbenzene	10.491	105	707437	21.424	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	142889	16.860	ug/l	99
71) 1,2,3-Trichloropropane	10.841	75	110121m	17.286	ug/l	
72) Bromobenzene	10.790	156	164691	19.677	ug/l	99
73) n-propylbenzene	10.912	120	196299	21.365	ug/l	99
74) 2-Chlorotoluene	10.992	126	163530	19.903	ug/l	98
75) 1,3,5-Trimethylbenzene	11.095	105	615481	20.985	ug/l	100
76) 4-Chlorotoluene	11.105	126	174921	19.802	ug/l	98
77) tert-Butylbenzene	11.427	119	615841	21.572	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	629167	20.980	ug/l	100
79) sec-Butylbenzene	11.652	105	822666	20.811	ug/l	99
80) Nitrobenzene	13.214	77	34033	126.121	ug/l	98
81) p-Isopropyltoluene	11.800	119	701403	21.761	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	334950	18.585	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	337565	18.820	ug/l	99
84) n-Butylbenzene	12.214	91	698123	21.859	ug/l	100
85) 1,2-Dichlorobenzene	12.217	146	318079	18.550	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	29945	22.403	ug/l	95
87) 1,2,4-Trichlorobenzene	13.848	180	237105	22.559	ug/l	100
88) Hexachlorobutadiene	14.028	225	119404	18.231	ug/l	99
89) Naphthalene	14.092	128	461728	24.739	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	210335	21.211	ug/l	99

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

