

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
 Data File : VU044350.D
 Acq On : 16 Jul 2021 12:45
 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
 7/19/2021 5:54:49 PM

Quant Time: Jul 16 13:05:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 12:53:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	54948	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	21868	0.987	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	21570	0.985	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	293740	14.729	ug/l	98
3) Chloromethane	1.527	50	312460	14.646	ug/l	98
4) Vinyl Chloride	1.607	62	324000	14.784	ug/l	99
5) Bromomethane	1.858	94	166385	14.282	ug/l	100
6) Chloroethane	1.935	64	181518	14.403	ug/l	100
7) Trichlorofluoromethane	2.144	101	351141	14.652	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	221479	14.651	ug/l	99
9) 1,1-Dichloroethene	2.588	96	215277	14.745	ug/l	94
10) Iodomethane	2.729	142	295512	14.676	ug/l	87
11) Allyl Chloride	2.929	41	352507	14.644	ug/l	# 80
12) Acrylonitrile	3.327	53	88203	23.674	ug/l	96
13) Acetone	2.636	43	108245	58.373	ug/l	# 87
14) Carbon Disulfide	2.800	76	719205	14.742	ug/l	100
15) Methylene Chloride	3.051	84	253607	14.538	ug/l	93
16) trans-1,2-Dichloroethene	3.359	96	239305	14.895	ug/l	98
17) 1,1-Dichloroethane	3.877	63	442145	14.736	ug/l	99
18) 2-Butanone	4.729	43	245130	61.240	ug/l	98
19) Cyclohexane	5.391	56	401554	14.569	ug/l	99
20) Methylcyclohexane	6.768	83	441714	14.904	ug/l	99
21) 2,2-Dichloropropane	4.674	77	365283	14.708	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	260536	14.691	ug/l	94
23) Diethyl Ether	2.382	59	180939	14.628	ug/l	99
24) tert-Butyl Alcohol	3.208	59	111578	145.326	ug/l	97
25) Methyl tert-Butyl Ether	3.379	73	594870	14.452	ug/l	91
26) Bromochloromethane	4.983	128	108129	14.763	ug/l	98
27) Chloroform	5.099	83	417296	14.609	ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	362019	14.896	ug/l	97
29) 1,1-Dichloropropene	5.530	75	346249	14.731	ug/l	100
30) Carbon Tetrachloride	5.526	117	302856	14.854	ug/l	100
31) Isopropyl Ether	4.012	45	748135	14.678	ug/l	94
32) Ethyl-t-butyl ether	4.523	59	722227	14.371	ug/l	98
33) Tert-Amyl methyl ether	5.957	73	679010	15.523	ug/l	99
34) Propionitrile	4.800	54	71871	66.873	ug/l	# 96
35) Benzene	5.780	78	1003597	14.970	ug/l	99
36) 1,2-Dichloroethane	5.806	62	277112	14.664	ug/l	96
37) Trichloroethene	6.549	130	249254	14.616	ug/l	95
38) 1,2-Dichloropropane	6.803	63	263283	14.773	ug/l	100
39) Methacrylonitrile	4.993	41	81538	13.669	ug/l	96
40) Methyl acrylate	4.861	55	127473	13.622	ug/l	98
41) Tetrahydrofuran	5.076	42	71294	25.651	ug/l	99
42) 1-Chlorobutane	5.465	56	491019	15.123	ug/l	92
43) Dibromomethane	6.928	93	130687	14.579	ug/l	98
44) Bromodichloromethane	7.115	83	315793	14.905	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
 Data File : VU044350.D
 Acq On : 16 Jul 2021 12:45
 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
 7/19/2021 5:54:49 PM

Quant Time: Jul 16 13:05:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 12:53:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	888989	72.827	ug/l	94
46) t-1,4-Dichloro-2-butene	10.845	75	166534m	30.318	ug/l	
47) Methyl methacrylate	6.977	69	291738	29.607	ug/l #	90
48) Ethyl methacrylate	8.346	69	305561	14.950	ug/l	92
49) Toluene	7.977	92	638811	14.808	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	339788	14.890	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	395971	14.954	ug/l	94
52) 1,1,2-Trichloroethane	8.411	97	191911	14.829	ug/l	97
53) 1,3-Dichloropropane	8.584	76	350898	14.704	ug/l	100
54) 2-Hexanone	8.700	43	641928	73.561	ug/l	92
55) Dibromochloromethane	8.819	129	218966	15.163	ug/l	99
56) 1,2-Dibromoethane	8.931	107	188059	14.705	ug/l	100
58) Tetrachloroethene	8.559	164	213773	14.632	ug/l	99
59) Chlorobenzene	9.456	112	666929	14.632	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	228334	14.889	ug/l	98
61) Pentachloroethane	11.436	117	184019	15.049	ug/l	98
62) Hexachloroethane	12.481	117	199067	15.122	ug/l	98
63) Ethyl Benzene	9.578	91	1211703	14.743	ug/l	100
64) m/p-Xylenes	9.700	106	922538	29.377	ug/l	99
65) o-Xylene	10.108	106	446615	14.703	ug/l	100
66) Styrene	10.121	104	774344	14.702	ug/l	98
67) Bromoform	10.298	173	127152	15.080	ug/l	100
69) Isopropylbenzene	10.491	105	1191967	14.685	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	260505	14.975	ug/l	99
71) 1,2,3-Trichloropropane	10.845	75	226920m	15.351	ug/l	
72) Bromobenzene	10.790	156	270926	14.712	ug/l	95
73) n-propylbenzene	10.912	120	319129	14.366	ug/l	91
74) 2-Chlorotoluene	10.993	126	268380	14.691	ug/l	89
75) 1,3,5-Trimethylbenzene	11.095	105	1014456	14.815	ug/l	100
76) 4-Chlorotoluene	11.105	126	280083	14.743	ug/l	97
77) tert-Butylbenzene	11.427	119	992865	14.794	ug/l	98
78) 1,2,4-Trimethylbenzene	11.475	105	1029838	14.635	ug/l	99
79) sec-Butylbenzene	11.648	105	1350201	14.713	ug/l	98
80) Nitrobenzene	13.214	77	46326	81.085	ug/l #	97
81) p-Isopropyltoluene	11.800	119	1122896	14.661	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	541997	14.865	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	540867	14.736	ug/l	99
84) n-Butylbenzene	12.214	91	1128878	14.745	ug/l	99
85) 1,2-Dichlorobenzene	12.218	146	524990	14.872	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	47296	14.862	ug/l	99
87) 1,2,4-Trichlorobenzene	13.844	180	390983	14.909	ug/l	99
88) Hexachlorobutadiene	14.028	225	185583	14.872	ug/l	99
89) Naphthalene	14.092	128	811407	15.149	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	354323	14.996	ug/l	99

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

