

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
 Data File : VU049635.D
 Acq On : 06 Jul 2022 12:22
 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

Reviewed By :Krupa Patel 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 06:20:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 06:16:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	59508	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	20805	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	19913	0.798	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	345482	16.008	ug/l	100
3) Chloromethane	1.523	50	342178	14.476	ug/l	99
4) Vinyl Chloride	1.604	62	318140	15.053	ug/l	100
5) Bromomethane	1.854	94	141073	11.035	ug/l	96
6) Chloroethane	1.932	64	170584	13.284	ug/l	99
7) Trichlorofluoromethane	2.137	101	387143	13.942	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	205063	12.960	ug/l	99
9) 1,1-Dichloroethene	2.581	96	204598	12.970	ug/l	99
10) Iodomethane	2.723	142	253747	20.705	ug/l	98
11) Allyl Chloride	2.922	41	345763	15.407	ug/l	99
12) Acrylonitrile	3.321	53	101460	25.541	ug/l	97
13) Acetone	2.636	43	186083	59.233	ug/l	99
14) Carbon Disulfide	2.790	76	665016	13.248	ug/l	99
15) Methylene Chloride	3.044	84	224550	8.972	ug/l	97
16) trans-1,2-Dichloroethene	3.349	96	214384	12.459	ug/l	97
17) 1,1-Dichloroethane	3.867	63	441215	15.126	ug/l	99
18) 2-Butanone	4.716	43	350480	81.004	ug/l	98
19) Cyclohexane	5.385	56	422477m	18.473	ug/l	
20) Methylcyclohexane	6.761	83	424208	17.114	ug/l	100
21) 2,2-Dichloropropane	4.665	77	364391	15.240	ug/l	100
22) cis-1,2-Dichloroethene	4.668	96	262634	14.528	ug/l	99
23) Diethyl Ether	2.378	59	170063	14.251	ug/l	97
24) tert-Butyl Alcohol	3.218	59	189257	147.385	ug/l	100
25) Methyl tert-Butyl Ether	3.369	73	553970	13.968	ug/l	99
26) Bromochloromethane	4.973	128	110786	12.600	ug/l	99
27) Chloroform	5.089	83	437111	14.316	ug/l	96
28) 1,1,1-Trichloroethane	5.317	97	385966	14.800	ug/l	100
29) 1,1-Dichloropropene	5.526	75	343652	15.572	ug/l	100
30) Carbon Tetrachloride	5.523	117	335219	14.822	ug/l	97
31) Isopropyl Ether	3.999	45	762622	18.225	ug/l	100
32) Ethyl-t-butyl ether	4.510	59	725113	18.008	ug/l	100
33) Tert-Amyl methyl ether	5.944	73	628524	17.545	ug/l	99
34) Propionitrile	4.790	54	103270	74.954	ug/l	99
35) Benzene	5.774	78	985556	14.980	ug/l	100
36) 1,2-Dichloroethane	5.796	62	273421	14.269	ug/l	99
37) Trichloroethene	6.542	130	244230	13.060	ug/l	99
38) 1,2-Dichloropropane	6.793	63	259973	15.488	ug/l	100
39) Methacrylonitrile	4.980	41	86775	17.249	ug/l	98
40) Methyl acrylate	4.851	55	145321	17.816	ug/l	99
41) Tetrahydrofuran	5.066	42	93662	33.016	ug/l	97
42) 1-Chlorobutane	5.459	56	486432	16.838	ug/l	99
43) Dibromomethane	6.918	93	125012	13.273	ug/l	98
44) Bromodichloromethane	7.105	83	314859	14.320	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	836504	83.786	ug/l	99
46) t-1,4-Dichloro-2-butene	10.835	75	129011m	28.372	ug/l	
47) Methyl methacrylate	6.964	69	259675	33.421	ug/l	99
48) Ethyl methacrylate	8.336	69	263733	18.218	ug/l	100
49) Toluene	7.970	92	605700	15.273	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	312470	15.933	ug/l	100
51) cis-1,3-Dichloropropene	7.607	75	371417	16.332	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	174645	13.177	ug/l	99
53) 1,3-Dichloropropane	8.578	76	310226	14.093	ug/l	100
54) 2-Hexanone	8.687	43	590670	82.921	ug/l	100
55) Dibromochloromethane	8.809	129	209586	13.287	ug/l	99
56) 1,2-Dibromoethane	8.925	107	170080	13.446	ug/l	99
58) Tetrachloroethene	8.552	164	201852	12.196	ug/l	99
59) Chlorobenzene	9.446	112	626357	13.596	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	227862	13.931	ug/l	98
61) Pentachloroethane	11.430	117	178040	13.156	ug/l	100
62) Hexachloroethane	12.475	117	181341	14.530	ug/l	100
63) Ethyl Benzene	9.571	91	1172233	16.218	ug/l	99
64) m/p-Xylenes	9.693	106	854321	30.108	ug/l	99
65) o-Xylene	10.102	106	415427	15.259	ug/l	100
66) Styrene	10.115	104	695307	15.258	ug/l	99
67) Bromoform	10.291	173	118805	12.079	ug/l	98
69) Isopropylbenzene	10.484	105	1122356	15.705	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	226670	13.315	ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	171729m	13.089	ug/l	
72) Bromobenzene	10.783	156	249251	11.990	ug/l	100
73) n-propylbenzene	10.905	120	292297	14.614	ug/l	100
74) 2-Chlorotoluene	10.986	126	250709	13.301	ug/l	99
75) 1,3,5-Trimethylbenzene	11.089	105	947773	15.691	ug/l	99
76) 4-Chlorotoluene	11.098	126	252677	12.837	ug/l	91
77) tert-Butylbenzene	11.420	119	925242	15.162	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	962288	15.581	ug/l	100
79) sec-Butylbenzene	11.645	105	1223889	15.313	ug/l	100
80) Nitrobenzene	13.208	77	51371	78.677	ug/l	99
81) p-Isopropyltoluene	11.793	119	1010313	15.231	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	486117	11.679	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	478094	11.522	ug/l	99
84) n-Butylbenzene	12.208	91	981670	15.414	ug/l	100
85) 1,2-Dichlorobenzene	12.211	146	457670	11.636	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	40971	14.909	ug/l	97
87) 1,2,4-Trichlorobenzene	13.841	180	345204	12.134	ug/l	100
88) Hexachlorobutadiene	14.021	225	172743	10.395	ug/l	100
89) Naphthalene	14.085	128	692212	15.167	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	315264	11.943	ug/l	100

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

