

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053779.D
 Acq On : 19 Apr 2023 12:59
 Operator : JC/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 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Apr 20 08:10:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:05:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	31725	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	13463	1.164	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	15991	1.326	ug/l	0.00
Spiked Amount 1.000			Recovery	=	133.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	150634	13.609	ug/l	100
3) Chloromethane	1.523	50	123312	11.089	ug/l	98
4) Vinyl Chloride	1.604	62	155923	13.147	ug/l	99
5) Bromomethane	1.845	94	104781	10.471	ug/l	100
6) Chloroethane	1.928	64	98833	12.884	ug/l	97
7) Trichlorofluoromethane	2.134	101	262012	14.413	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	167598	17.594	ug/l	93
9) 1,1-Dichloroethene	2.578	96	134638	15.881	ug/l	85
10) Iodomethane	2.719	142	178239	20.558	ug/l	97
11) Allyl Chloride	2.919	41	158169	16.658	ug/l	98
12) Acrylonitrile	3.308	53	65504	38.159	ug/l	96
13) Acetone	2.620	43	253664	77.265	ug/l	94
14) Carbon Disulfide	2.790	76	228535	9.664	ug/l	100
15) Methylene Chloride	3.041	84	177038	8.880	ug/l	89
16) trans-1,2-Dichloroethene	3.346	96	144958	16.536	ug/l	89
17) 1,1-Dichloroethane	3.864	63	302447	18.566	ug/l	99
18) 2-Butanone	4.710	43	312609	91.663	ug/l	99
19) Cyclohexane	5.375	56	205536m	16.062	ug/l	
20) Methylcyclohexane	6.755	83	206690	13.364	ug/l	90
21) 2,2-Dichloropropane	4.658	77	271699	19.259	ug/l	100
22) cis-1,2-Dichloroethene	4.658	96	183230	18.914	ug/l	95
23) Diethyl Ether	2.372	59	100972	15.178	ug/l	90
24) tert-Butyl Alcohol	3.179	59	149324	225.135	ug/l #	1
25) Methyl tert-Butyl Ether	3.362	73	384429	19.777	ug/l	93
26) Bromochloromethane	4.967	128	78585	19.622	ug/l	90
27) Chloroform	5.083	83	325514	19.058	ug/l	99
28) 1,1,1-Trichloroethane	5.308	97	273877	18.735	ug/l	97
29) 1,1-Dichloropropene	5.517	75	174836	14.657	ug/l	98
30) Carbon Tetrachloride	5.514	117	202320	17.884	ug/l	99
31) Isopropyl Ether	3.993	45	436850	19.336	ug/l	90
32) Ethyl-t-butyl ether	4.507	59	445066	19.175	ug/l	94
33) Tert-Amyl methyl ether	5.944	73	342773	17.215	ug/l	97
34) Propionitrile	4.774	54	66580	116.282	ug/l #	16
35) Benzene	5.768	78	545032	15.427	ug/l	99
36) 1,2-Dichloroethane	5.790	62	164464	15.928	ug/l	99
37) Trichloroethene	6.536	130	156686	17.293	ug/l	93
38) 1,2-Dichloropropane	6.787	63	157117	17.040	ug/l	99
39) Methacrylonitrile	4.977	41	48169	20.286	ug/l	92
40) Methyl acrylate	4.845	55	87425	20.172	ug/l	97
41) Tetrahydrofuran	5.060	42	47255	38.963	ug/l	89
42) 1-Chlorobutane	5.449	56	238106	14.909	ug/l	96
43) Dibromomethane	6.915	93	79472	17.980	ug/l	98
44) Bromodichloromethane	7.102	83	206803	18.678	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	419571	90.817	ug/l	95
46) t-1,4-Dichloro-2-butene	10.835	75	68221m	27.315	ug/l	
47) Methyl methacrylate	6.964	69	148298	36.424	ug/l	90
48) Ethyl methacrylate	8.333	69	149362	18.985	ug/l	86
49) Toluene	7.964	92	363797	16.687	ug/l	97
50) t-1,3-Dichloropropene	8.208	75	195246	19.103	ug/l	99
51) cis-1,3-Dichloropropene	7.603	75	231035	18.384	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	123891	18.919	ug/l	98
53) 1,3-Dichloropropane	8.571	76	203039	18.310	ug/l	99
54) 2-Hexanone	8.684	43	410855	84.423	ug/l	94
55) Dibromochloromethane	8.806	129	147254	21.943	ug/l	99
56) 1,2-Dibromoethane	8.922	107	113588	18.958	ug/l	99
58) Tetrachloroethene	8.549	164	150940	17.766	ug/l	97
59) Chlorobenzene	9.443	112	449989	18.340	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.529	131	162930	21.180	ug/l	99
61) Pentachloroethane	11.423	117	128601	23.056	ug/l	89
62) Hexachloroethane	12.471	117	139531	22.878	ug/l	98
63) Ethyl Benzene	9.565	91	764267	18.027	ug/l	98
64) m/p-Xylenes	9.690	106	603766	37.039	ug/l	95
65) o-Xylene	10.099	106	302259	18.831	ug/l	96
66) Styrene	10.111	104	502456	20.256	ug/l	98
67) Bromoform	10.288	173	79000	24.447	ug/l	99
69) Isopropylbenzene	10.481	105	812846	19.352	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	164850	20.648	ug/l	100
71) 1,2,3-Trichloropropane	10.832	75	123332m	20.334	ug/l	
72) Bromobenzene	10.777	156	195231	21.367	ug/l	90
73) n-propylbenzene	10.902	120	233944	20.775	ug/l	88
74) 2-Chlorotoluene	10.983	126	206276	20.998	ug/l	86
75) 1,3,5-Trimethylbenzene	11.086	105	723283	20.305	ug/l	99
76) 4-Chlorotoluene	11.092	126	213265	20.725	ug/l	91
77) tert-Butylbenzene	11.417	119	714944	21.272	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	750502	20.557	ug/l	97
79) sec-Butylbenzene	11.639	105	977808	20.477	ug/l	96
80) Nitrobenzene	13.201	77	27987	131.229	ug/l	95
81) p-Isopropyltoluene	11.790	119	823544	21.703	ug/l	97
82) 1,3-Dichlorobenzene	11.742	146	424624	21.741	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	436198	21.976	ug/l	98
84) n-Butylbenzene	12.205	91	793396	21.481	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	417532	22.255	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.992	75	26824	22.012	ug/l	90
87) 1,2,4-Trichlorobenzene	13.835	180	281318	25.199	ug/l	98
88) Hexachlorobutadiene	14.018	225	152744	27.533	ug/l	99
89) Naphthalene	14.082	128	518029	23.376	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	265083	26.726	ug/l	99

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

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