

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
 Data File : VU052861.D
 Acq On : 30 Jan 2023 10:47
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

Quant Time: Jan 31 07:33:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	37137	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	16048	1.299	ug/l	0.00
Spiked Amount 1.000			Recovery	=	130.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	15144	1.192	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	110381	8.782	ug/l	99
3) Chloromethane	1.520	50	74964	6.286	ug/l	99
4) Vinyl Chloride	1.604	62	88999	7.728	ug/l	99
5) Bromomethane	1.858	94	68405	11.430	ug/l	100
6) Chloroethane	1.932	64	75476	10.896	ug/l	98
7) Trichlorofluoromethane	2.137	101	200189	11.933	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	109226	11.908	ug/l	99
9) 1,1-Dichloroethene	2.581	96	97522	11.253	ug/l	98
10) Iodomethane	2.723	142	125496	13.083	ug/l	95
11) Allyl Chloride	2.922	41	122988	11.877	ug/l	98
12) Acrylonitrile	3.314	53	44930	24.454	ug/l	95
13) Acetone	2.636	43	162667	62.425	ug/l	96
14) Carbon Disulfide	2.793	76	280065	9.647	ug/l	99
15) Methylene Chloride	3.044	84	111975	10.698	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	107571	11.158	ug/l	96
17) 1,1-Dichloroethane	3.864	63	199922	12.280	ug/l	99
18) 2-Butanone	4.716	43	192699	63.650	ug/l	96
19) Cyclohexane	5.382	56	161400m	11.273	ug/l	
20) Methylcyclohexane	6.758	83	169795	10.630	ug/l	97
21) 2,2-Dichloropropane	4.661	77	187478	12.399	ug/l	99
22) cis-1,2-Dichloroethene	4.661	96	120144	11.923	ug/l	98
23) Diethyl Ether	2.375	59	70832	11.563	ug/l	98
24) tert-Butyl Alcohol	3.231	59	80921	109.702	ug/l #	30
25) Methyl tert-Butyl Ether	3.362	73	251391	12.646	ug/l	99
26) Bromochloromethane	4.970	128	50932	10.826	ug/l	94
27) Chloroform	5.086	83	216276	12.393	ug/l	98
28) 1,1,1-Trichloroethane	5.311	97	204074	12.663	ug/l	98
29) 1,1-Dichloropropene	5.520	75	151623	11.159	ug/l	99
30) Carbon Tetrachloride	5.520	117	177734	12.155	ug/l	98
31) Isopropyl Ether	3.993	45	285179	12.186	ug/l	98
32) Ethyl-t-butyl ether	4.504	59	279369	12.786	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	229518	11.878	ug/l	99
34) Propionitrile	4.787	54	43484	62.733	ug/l #	9
35) Benzene	5.771	78	436265	11.066	ug/l	99
36) 1,2-Dichloroethane	5.793	62	137684	11.628	ug/l	99
37) Trichloroethene	6.539	130	116317	10.823	ug/l	100
38) 1,2-Dichloropropane	6.790	63	113038	11.302	ug/l	100
39) Methacrylonitrile	4.976	41	34264	12.376	ug/l	98
40) Methyl acrylate	4.848	55	55533	11.316	ug/l	98
41) Tetrahydrofuran	5.063	42	32484	23.588	ug/l	91
42) 1-Chlorobutane	5.452	56	200071	11.518	ug/l	100
43) Dibromomethane	6.915	93	55842	11.030	ug/l	99
44) Bromodichloromethane	7.102	83	156947	11.427	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	302431	56.847	ug/l	99
46) t-1,4-Dichloro-2-butene	10.828	75	55053m	19.737	ug/l	
47) Methyl methacrylate	6.964	69	104616	23.246	ug/l	98
48) Ethyl methacrylate	8.333	69	94192	11.545	ug/l	99
49) Toluene	7.967	92	273376	11.421	ug/l	100
50) t-1,3-Dichloropropene	8.208	75	135231	11.289	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	157067	11.146	ug/l	99
52) 1,1,2-Trichloroethane	8.398	97	81811	11.364	ug/l	98
53) 1,3-Dichloropropane	8.574	76	139769	11.231	ug/l	97
54) 2-Hexanone	8.687	43	270496	58.118	ug/l	99
55) Dibromochloromethane	8.806	129	106403	11.300	ug/l	98
56) 1,2-Dibromoethane	8.922	107	74253	10.834	ug/l	98
58) Tetrachloroethene	8.549	164	108728	11.211	ug/l	97
59) Chlorobenzene	9.443	112	294232	11.294	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.529	131	116283	11.533	ug/l	98
61) Pentachloroethane	11.423	117	91330	11.057	ug/l	100
62) Hexachloroethane	12.471	117	96351	11.545	ug/l	100
63) Ethyl Benzene	9.568	91	508444	12.049	ug/l	99
64) m/p-Xylenes	9.690	106	419282	24.922	ug/l	99
65) o-Xylene	10.098	106	199254	12.274	ug/l	99
66) Styrene	10.111	104	332408	10.594	ug/l	98
67) Bromoform	10.285	173	60081	10.812	ug/l	99
69) Isopropylbenzene	10.481	105	518246	12.545	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	102175	11.385	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	79932m	10.289	ug/l	
72) Bromobenzene	10.780	156	122780	11.702	ug/l	98
73) n-propylbenzene	10.902	120	149180	10.672	ug/l	99
74) 2-Chlorotoluene	10.983	126	129322	12.393	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	463585	10.888	ug/l	99
76) 4-Chlorotoluene	11.092	126	136994	12.792	ug/l	99
77) tert-Butylbenzene	11.417	119	449081	12.501	ug/l	99
78) 1,2,4-Trimethylbenzene	11.462	105	470459	10.797	ug/l	99
79) sec-Butylbenzene	11.639	105	589764	10.561	ug/l	99
80) Nitrobenzene	13.201	77	27756	49.966	ug/l	94
81) p-Isopropyltoluene	11.790	119	515862	10.636	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	259237	12.102	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	271422	12.620	ug/l	98
84) n-Butylbenzene	12.205	91	440256	10.340	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	246559	12.196	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	18733	11.269	ug/l	94
87) 1,2,4-Trichlorobenzene	13.835	180	144204	11.893	ug/l	97
88) Hexachlorobutadiene	14.018	225	104095	12.249	ug/l	99
89) Naphthalene	14.082	128	240374	10.226	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	140110	12.174	ug/l	99

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

