

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057782.D
 Acq On : 01 Feb 2024 16:56
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/08/2024
 Supervised By : Mahesh Dadoda 02/08/2024

Quant Time: Feb 02 00:34:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 00:27:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	43653	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	16080	0.973	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	15306	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	143703	9.886	ug/l	99
3) Chloromethane	1.518	50	130241	9.338	ug/l	99
4) Vinyl Chloride	1.602	62	143697	10.104	ug/l	100
5) Bromomethane	1.856	94	85546	10.136	ug/l	100
6) Chloroethane	1.930	64	92696	10.317	ug/l	98
7) Trichlorofluoromethane	2.133	101	213659	9.811	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	109201	9.753	ug/l	95
9) 1,1-Dichloroethene	2.573	96	106380	9.806	ug/l	98
10) Iodomethane	2.718	142	137023	10.649	ug/l	96
11) Allyl Chloride	2.917	41	149346	10.149	ug/l	85
12) Acrylonitrile	3.322	53	40256	21.743	ug/l	96
13) Acetone	2.644	43	178612	53.303	ug/l	91
14) Carbon Disulfide	2.789	76	344749	9.928	ug/l	99
15) Methylene Chloride	3.039	84	121725	9.394	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	119405	10.080	ug/l	95
17) 1,1-Dichloroethane	3.859	63	227568	10.177	ug/l	99
18) 2-Butanone	4.708	43	200539	55.526	ug/l	98
19) Cyclohexane	5.380	56	174727	9.971	ug/l	89
20) Methylcyclohexane	6.756	83	216333	10.215	ug/l	96
21) 2,2-Dichloropropane	4.653	77	204479	10.298	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	127836	9.854	ug/l	93
23) Diethyl Ether	2.370	59	78135	9.978	ug/l	99
24) tert-Butyl Alcohol	3.261	59	91935m	103.291	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	258618	10.159	ug/l	94
26) Bromochloromethane	4.968	128	51845	9.948	ug/l	100
27) Chloroform	5.078	83	235031	10.110	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	210478	10.027	ug/l	99
29) 1,1-Dichloropropene	5.518	75	175029	10.306	ug/l	97
30) Carbon Tetrachloride	5.518	117	181675	10.045	ug/l	99
31) Isopropyl Ether	3.981	45	338058	10.331	ug/l	95
32) Ethyl-t-butyl ether	4.493	59	316125	10.405	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	272492	10.653	ug/l	97
34) Propionitrile	4.795	54	37870	50.592	ug/l	# 11
35) Benzene	5.766	78	493108	10.084	ug/l	99
36) 1,2-Dichloroethane	5.785	62	142004	9.966	ug/l	97
37) Trichloroethene	6.538	130	130033	10.014	ug/l	98
38) 1,2-Dichloropropane	6.782	63	127905	10.088	ug/l	99
39) Methacrylonitrile	4.968	41	31041	10.404	ug/l	95
40) Methyl acrylate	4.846	55	54809	9.091	ug/l	99
41) Tetrahydrofuran	5.055	42	34029	21.363	ug/l	98
42) 1-Chlorobutane	5.451	56	228898	10.223	ug/l	95
43) Dibromomethane	6.911	93	60354	10.351	ug/l	96
44) Bromodichloromethane	7.100	83	166873	10.221	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	322466	51.892	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	38177m	22.600	ug/l	
47) Methyl methacrylate	6.956	69	109112	21.184	ug/l	94
48) Ethyl methacrylate	8.328	69	105612	10.230	ug/l	96
49) Toluene	7.962	92	302890	10.140	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	148747	10.554	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	186940	10.471	ug/l	93
52) 1,1,2-Trichloroethane	8.393	97	81614	10.158	ug/l	99
53) 1,3-Dichloropropane	8.570	76	144756	10.024	ug/l	100
54) 2-Hexanone	8.679	43	312108	54.560	ug/l	97
55) Dibromochloromethane	8.804	129	100307	10.087	ug/l	98
56) 1,2-Dibromoethane	8.917	107	76131	10.296	ug/l	97
58) Tetrachloroethene	8.547	164	112561	9.824	ug/l	96
59) Chlorobenzene	9.441	112	333536	10.099	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	113665	10.138	ug/l	98
61) Pentachloroethane	11.422	117	86451	10.607	ug/l	89
62) Hexachloroethane	12.470	117	92525	8.666	ug/l	96
63) Ethyl Benzene	9.563	91	604142	10.286	ug/l	100
64) m/p-Xylenes	9.689	106	443479	20.790	ug/l	96
65) o-Xylene	10.094	106	217885	10.319	ug/l	94
66) Styrene	10.110	104	338875	10.753	ug/l	96
67) Bromoform	10.287	173	53125	10.379	ug/l	98
69) Isopropylbenzene	10.480	105	579196	10.463	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	100757	10.006	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	83972m	10.100	ug/l	
72) Bromobenzene	10.775	156	124932	10.256	ug/l	98
73) n-propylbenzene	10.901	120	151338	10.880	ug/l	99
74) 2-Chlorotoluene	10.981	126	133860	10.374	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	486523	10.232	ug/l	99
76) 4-Chlorotoluene	11.090	126	134018	10.334	ug/l	92
77) tert-Butylbenzene	11.415	119	450069	10.087	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	495326	10.271	ug/l	100
79) sec-Butylbenzene	11.637	105	568396	9.966	ug/l	98
80) Nitrobenzene	13.206	77	11009	43.642	ug/l	89
81) p-Isopropyltoluene	11.788	119	493530	10.264	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	252010	10.233	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	244836	10.184	ug/l	97
84) n-Butylbenzene	12.203	91	489557	10.646	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	227886	10.198	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	15226	9.280	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	146125	10.944	ug/l	99
88) Hexachlorobutadiene	14.016	225	85280	9.955	ug/l	99
89) Naphthalene	14.081	128	207848	10.084	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	114738	10.330	ug/l	98

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

