

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063227.D
 Acq On : 11 Feb 2025 08:50
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU021025

Quant Time: Feb 12 03:08:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

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

Internal Standards						
1) Fluorobenzene	6.106	96	56495	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	25232	1.354	ug/l	0.00
Spiked Amount 1.000			Recovery	=	135.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	18463	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	113504	6.184	ug/l	99
3) Chloromethane	1.515	50	146642	6.937	ug/l	98
4) Vinyl Chloride	1.599	62	161150	7.705	ug/l	99
5) Bromomethane	1.849	94	95220	9.317	ug/l	95
6) Chloroethane	1.923	64	105662	8.021	ug/l	99
7) Trichlorofluoromethane	2.129	101	209914	8.470	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	136239	9.685	ug/l	99
9) 1,1-Dichloroethene	2.570	96	135994	9.488	ug/l	99
10) Iodomethane	2.711	142	206755	9.176	ug/l	99
11) Allyl Chloride	2.914	41	206293	10.019	ug/l	98
12) Acrylonitrile	3.303	53	159992	48.397	ug/l	98
13) Acetone	2.621	43	117956	46.402	ug/l	100
14) Carbon Disulfide	2.785	76	402996	8.041	ug/l	100
15) Methylene Chloride	3.033	84	156673	8.848	ug/l	99
16) trans-1,2-Dichloroethene	3.341	96	144812	8.852	ug/l	99
17) 1,1-Dichloroethane	3.853	63	282308	9.156	ug/l	99
18) 2-Butanone	4.692	43	186600	46.124	ug/l	99
19) Cyclohexane	5.377	56	233963m	9.443	ug/l	
20) Methylcyclohexane	6.753	83	249729	10.164	ug/l	99
21) 2,2-Dichloropropane	4.650	77	229157	9.526	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	176178	9.968	ug/l	100
23) Diethyl Ether	2.367	59	102821	8.360	ug/l	99
24) tert-Butyl Alcohol	3.193	59	45647	31.908	ug/l	# 88
25) Methyl tert-Butyl Ether	3.348	73	345681	9.657	ug/l	100
26) Bromochloromethane	4.959	128	73733	9.544	ug/l	99
27) Chloroform	5.074	83	289263	9.296	ug/l	99
28) 1,1,1-Trichloroethane	5.303	97	239040	9.483	ug/l	98
29) 1,1-Dichloropropene	5.515	75	196807	8.717	ug/l	99
30) Carbon Tetrachloride	5.512	117	201284	9.311	ug/l	98
31) Isopropyl Ether	3.975	45	463697	10.534	ug/l	# 1
34) Propionitrile	4.762	54	122058	100.030	ug/l	98
35) Benzene	5.759	78	645948	9.305	ug/l	99
36) 1,2-Dichloroethane	5.782	62	170414	8.506	ug/l	99
37) Trichloroethene	6.531	130	146452	8.871	ug/l	98
38) 1,2-Dichloropropane	6.778	63	159772	8.794	ug/l	97
39) Methacrylonitrile	4.962	41	46732	10.277	ug/l	96
40) Methyl acrylate	4.836	55	82118	9.798	ug/l	# 93
41) Tetrahydrofuran	5.039	42	123058	46.529	ug/l	98
42) 1-Chlorobutane	5.444	56	300232	9.720	ug/l	99
43) Dibromomethane	6.907	93	83308	9.055	ug/l	97
44) Bromodichloromethane	7.094	83	215139	10.047	ug/l	99
45) 4-Methyl-2-Pentanone	7.778	43	470573	48.787	ug/l	100
46) t-1,4-Dichloro-2-butene	10.820	75	49406m	10.896	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.949	69	75036	9.683	ug/l	97
48) Ethyl methacrylate	8.322	69	150671	10.355	ug/l	99
49) Toluene	7.958	92	394103	9.872	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	190233	9.703	ug/l	99
51) cis-1,3-Dichloropropene	7.595	75	225683	9.319	ug/l	99
52) 1,1,2-Trichloroethane	8.386	97	112663	9.082	ug/l	97
53) 1,3-Dichloropropane	8.563	76	196173	8.908	ug/l	99
54) 2-Hexanone	8.675	43	318084	48.325	ug/l	99
55) Dibromochloromethane	8.798	129	136481	9.564	ug/l	98
56) 1,2-Dibromoethane	8.913	107	104935	9.020	ug/l	99
58) Tetrachloroethene	8.544	164	131195	9.644	ug/l	98
59) Chlorobenzene	9.438	112	411460	9.767	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.521	131	138560	9.150	ug/l	98
61) Pentachloroethane	11.415	117	127090	9.395	ug/l	98
62) Hexachloroethane	12.463	117	117375	9.808	ug/l	99
63) Ethyl Benzene	9.560	91	753103	10.366	ug/l	99
64) m/p-Xylenes	9.682	106	574738	21.178	ug/l	98
65) o-Xylene	10.090	106	275873	10.384	ug/l	99
66) Styrene	10.103	104	457882	10.830	ug/l	100
67) Bromoform	10.280	173	77802	9.606	ug/l	99
69) Isopropylbenzene	10.473	105	734939	11.767	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.769	83	142854	8.545	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	106046m	8.443	ug/l	
72) Bromobenzene	10.772	156	167353	9.945	ug/l	99
73) n-propylbenzene	10.894	120	192125	10.744	ug/l	97
74) 2-Chlorotoluene	10.974	126	172282	10.454	ug/l	99
75) 1,3,5-Trimethylbenzene	11.077	105	628091	10.853	ug/l	100
76) 4-Chlorotoluene	11.087	126	175303	10.373	ug/l	99
77) tert-Butylbenzene	11.409	119	606100	10.355	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	617064	10.746	ug/l	100
79) sec-Butylbenzene	11.634	105	809829	10.867	ug/l	100
80) Nitrobenzene	13.212	77	3697m	10.731	ug/l	
81) p-Isopropyltoluene	11.781	119	651414	11.076	ug/l	100
82) 1,3-Dichlorobenzene	11.736	146	326539	10.004	ug/l	99
83) 1,4-Dichlorobenzene	11.826	146	323813	10.142	ug/l	99
84) n-Butylbenzene	12.199	91	606308	11.497	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	304825	9.718	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.984	75	20970	8.936	ug/l	97
87) 1,2,4-Trichlorobenzene	13.830	180	184275	12.045	ug/l	99
88) Hexachlorobutadiene	14.010	225	107826	9.862	ug/l	100
89) Naphthalene	14.077	128	270551	8.568	ug/l	99
90) 1,2,3-Trichlorobenzene	14.318	180	156676	10.466	ug/l	97

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

