

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060340.D
 Acq On : 07 Aug 2024 16:48
 Operator : MD/SY
 Sample : P3390-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2024

Quant Time: Aug 08 06:00:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

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

Internal Standards						
1) Fluorobenzene	6.110	96	29122	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10339	1.042	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11720	1.087	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	10959	0.978	ug/l	99
3) Chloromethane	1.518	50	12204	0.953	ug/l	95
4) Vinyl Chloride	1.599	62	13107	1.024	ug/l	95
5) Bromomethane	1.853	94	8874	1.128	ug/l	99
6) Chloroethane	1.930	64	8300	1.071	ug/l	97
7) Trichlorofluoromethane	2.132	101	15767	1.021	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	8850	1.053	ug/l	92
9) 1,1-Dichloroethene	2.573	96	9047	1.039	ug/l	87
10) Iodomethane	2.714	142	12575	0.974	ug/l	99
11) Allyl Chloride	2.917	41	10237	0.858	ug/l	99
12) Acrylonitrile	3.354	53	3300m	1.451	ug/l	
13) Acetone	2.666	43	9232m	3.341	ug/l	
14) Carbon Disulfide	2.788	76	28428	0.963	ug/l	96
15) Methylene Chloride	3.039	84	12450	1.142	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	9458	1.014	ug/l	92
17) 1,1-Dichloroethane	3.862	63	17241	0.961	ug/l	99
18) 2-Butanone	4.756	43	10863m	3.403	ug/l	
19) Cyclohexane	5.380	56	11168m	0.722	ug/l	
20) Methylcyclohexane	6.756	83	11213	0.914	ug/l	94
21) 2,2-Dichloropropane	4.660	77	12631	0.904	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	9990	1.000	ug/l	90
23) Diethyl Ether	2.374	59	7087	1.002	ug/l	94
24) tert-Butyl Alcohol	3.351	59	4586m	5.189	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	17989	0.842	ug/l	97
26) Bromochloromethane	4.968	128	4760	1.125	ug/l	87
27) Chloroform	5.081	83	18828	1.073	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	14835	1.018	ug/l	99
29) 1,1-Dichloropropene	5.524	75	10982	0.940	ug/l	98
30) Carbon Tetrachloride	5.515	117	12722	1.071	ug/l	99
31) Isopropyl Ether	3.988	45	19463	0.742	ug/l	90
32) Ethyl-t-butyl ether	4.496	59	18915	0.746	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	16963	0.943	ug/l	100
34) Propionitrile	4.840	54	3303m	3.621	ug/l	
35) Benzene	5.769	78	38193	1.061	ug/l	95
36) 1,2-Dichloroethane	5.795	62	10373	1.037	ug/l	# 94
37) Trichloroethene	6.541	130	9858	1.106	ug/l	90
38) 1,2-Dichloropropane	6.788	63	9984	1.025	ug/l	96
39) Methacrylonitrile	4.997	41	1969m	0.596	ug/l	
40) Methyl acrylate	4.881	55	3940m	0.681	ug/l	
41) Tetrahydrofuran	5.094	42	2203	1.225	ug/l	# 55
42) 1-Chlorobutane	5.454	56	13804	0.857	ug/l	93
43) Dibromomethane	6.917	93	4838	0.982	ug/l	98
44) Bromodichloromethane	7.100	83	12607	1.066	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	20248	4.378	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	5014m	1.935	ug/l	
47) Methyl methacrylate	6.965	69	7246m	1.813	ug/l	
48) Ethyl methacrylate	8.335	69	5829	0.859	ug/l	98
49) Toluene	7.965	92	19824	0.993	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	9959	1.020	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	11866	1.010	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	7272	1.006	ug/l	97
53) 1,3-Dichloropropane	8.573	76	11426	0.990	ug/l	98
54) 2-Hexanone	8.688	43	13890	3.875	ug/l	94
55) Dibromochloromethane	8.804	129	8720	1.099	ug/l	99
56) 1,2-Dibromoethane	8.923	107	6722	1.037	ug/l	99
58) Tetrachloroethene	8.550	164	8981	1.128	ug/l	96
59) Chlorobenzene	9.444	112	24097	1.115	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	9360	1.099	ug/l	96
61) Pentachloroethane	11.418	117	7811	1.074	ug/l	92
62) Hexachloroethane	12.470	117	7308	1.040	ug/l	97
63) Ethyl Benzene	9.566	91	33055	1.253	ug/l	99
64) m/p-Xylenes	9.688	106	24792	2.314	ug/l	97
65) o-Xylene	10.097	106	12766	1.216	ug/l	97
66) Styrene	10.113	104	20576	1.194	ug/l	99
67) Bromoform	10.286	173	4666	1.004	ug/l	98
69) Isopropylbenzene	10.479	105	31942	1.222	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	9506	0.988	ug/l	99
71) 1,2,3-Trichloropropane	10.823	75	7537m	1.058	ug/l	
72) Bromobenzene	10.778	156	10018	1.129	ug/l	100
73) n-propylbenzene	10.900	120	9886	1.292	ug/l	97
74) 2-Chlorotoluene	10.981	126	8829	1.143	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	26055	1.141	ug/l	100
76) 4-Chlorotoluene	11.097	126	9041	1.143	ug/l	99
77) tert-Butylbenzene	11.415	119	28075	1.227	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	26053	1.150	ug/l	97
79) sec-Butylbenzene	11.637	105	36433	1.191	ug/l	98
80) Nitrobenzene	13.232	77	818	1.936	ug/l #	84
81) p-Isopropyltoluene	11.788	119	28250	1.204	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	20776	1.122	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	19574	1.065	ug/l	99
84) n-Butylbenzene	12.203	91	28600	1.229	ug/l	94
85) 1,2-Dichlorobenzene	12.209	146	19519	1.090	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.990	75	1349	0.967	ug/l	88
87) 1,2,4-Trichlorobenzene	13.839	180	10690	1.044	ug/l	97
88) Hexachlorobutadiene	14.013	225	7314	1.104	ug/l	97
89) Naphthalene	14.087	128	13229	0.730	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	8945	0.895	ug/l	99

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

