

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054900.D
 Acq On : 27 Jul 2023 17:42
 Operator : MD/SY
 Sample : 03572-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 28 06:46:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 06:40:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	24982	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	7698	1.016	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.196	152	8618	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	1075	0.226	ug/l	79
3) Chloromethane	1.522	50	1560	0.292	ug/l	# 82
4) Vinyl Chloride	1.599	62	1615	0.226	ug/l	100
5) Bromomethane	1.853	94	1692	0.299	ug/l	83
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	1160	0.213	ug/l	# 76
9) 1,1-Dichloroethene	2.576	96	863m	0.200	ug/l	
11) Allyl Chloride	2.923	41	1219	0.236	ug/l	94
13) Acetone	2.653	43	1477m	1.306	ug/l	
15) Methylene Chloride	3.046	84	3091	0.514	ug/l	95
18) 2-Butanone	4.750	43	1579m	1.106	ug/l	
19) Cyclohexane	5.390	56	1764	0.299	ug/l	# 79
22) cis-1,2-Dichloroethene	4.685	96	1394m	0.223	ug/l	
23) Diethyl Ether	2.370	59	1501	0.236	ug/l	# 69
24) tert-Butyl Alcohol	3.242	59	562m	0.949	ug/l	
25) Methyl tert-Butyl Ether	3.367	73	3153	0.236	ug/l	93
27) Chloroform	5.090	83	3068	0.272	ug/l	92
31) Isopropyl Ether	3.997	45	3396	0.219	ug/l	71
32) Ethyl-t-butyl ether	4.502	59	3824m	0.240	ug/l	
33) Tert-Amyl methyl ether	5.939	73	3372	0.223	ug/l	92
35) Benzene	5.775	78	4662	0.207	ug/l	91
36) 1,2-Dichloroethane	5.791	62	1559	0.244	ug/l	# 73
37) Trichloroethene	6.553	130	1237m	0.204	ug/l	
38) 1,2-Dichloropropane	6.795	63	1430	0.225	ug/l	# 70
41) Tetrahydrofuran	5.065	42	369m	0.409	ug/l	
43) Dibromomethane	6.923	93	685	0.229	ug/l	# 66
44) Bromodichloromethane	7.103	83	1790	0.215	ug/l	# 90
45) 4-Methyl-2-Pentanone	7.791	43	4217	1.210	ug/l	93
46) t-1,4-Dichloro-2-butene	10.830	75	583m	0.416	ug/l	
47) Methyl methacrylate	6.981	69	1060	0.388	ug/l	62
48) Ethyl methacrylate	8.335	69	1311	0.237	ug/l	93
49) Toluene	7.971	92	3341	0.233	ug/l	90
52) 1,1,2-Trichloroethane	8.396	97	1021	0.216	ug/l	# 82
53) 1,3-Dichloropropane	8.579	76	1758	0.229	ug/l	# 84
54) 2-Hexanone	8.698	43	2158	0.871	ug/l	93
55) Dibromochloromethane	8.807	129	1237	0.228	ug/l	# 39
56) 1,2-Dibromoethane	8.923	107	1015	0.253	ug/l	76
58) Tetrachloroethene	8.557	164	1407	0.266	ug/l	# 79
59) Chlorobenzene	9.450	112	3767	0.217	ug/l	98
63) Ethyl Benzene	9.569	91	6430	0.220	ug/l	96
64) m/p-Xylenes	9.695	106	4481	0.410	ug/l	91
65) o-Xylene	10.103	106	2622	0.234	ug/l	89
66) Styrene	10.113	104	3825	0.213	ug/l	95
69) Isopropylbenzene	10.486	105	6524	0.217	ug/l	100

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

71) 1,2,3-Trichloropropane	10.827	75	1154m	0.276	ug/l	
72) Bromobenzene	10.788	156	1478	0.220	ug/l	79
73) n-propylbenzene	10.907	120	1631	0.202	ug/l	88
74) 2-Chlorotoluene	10.991	126	1598	0.229	ug/l	94
75) 1,3,5-Trimethylbenzene	11.087	105	5179	0.212	ug/l	97
76) 4-Chlorotoluene	11.100	126	1749	0.241	ug/l	93
77) tert-Butylbenzene	11.418	119	5275	0.208	ug/l	97
79) sec-Butylbenzene	11.643	105	6618	0.201	ug/l	99
80) Nitrobenzene	13.235	77	104	0.675	ug/l #	39
82) 1,3-Dichlorobenzene	11.746	146	3307	0.232	ug/l	95
83) 1,4-Dichlorobenzene	11.839	146	3572	0.251	ug/l	99
84) n-Butylbenzene	12.209	91	5548	0.237	ug/l	90
85) 1,2-Dichlorobenzene	12.216	146	3345	0.244	ug/l	95
87) 1,2,4-Trichlorobenzene	13.843	180	2410	0.276	ug/l	91
88) Hexachlorobutadiene	14.023	225	1222	0.263	ug/l #	77
89) Naphthalene	14.097	128	4388	0.325	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.335	180	2725	0.352	ug/l #	88

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

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