Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
Data File : VU054902.D
Acq On : 27 Jul 2023 18:32
Operator : MD/SY
Sample : 03572-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 28 06:56:12 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

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

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	25934	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8254	1.050	ug/l	0.00
Spiked Amount 1.000			Recovery = 105.000%			
68) 1,2-Dichlorobenzene-d4	12.193	152	9378	1.055	ug/l	0.00
Spiked Amount 1.000			Recovery = 106.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	3727	0.755	ug/l	94
3) Chloromethane	1.515	50	4637	0.836	ug/l	94
4) Vinyl Chloride	1.599	62	5862	0.791	ug/l	96
5) Bromomethane	1.853	94	4428	0.753	ug/l	87
6) Chloroethane	1.930	64	4894	0.639	ug/l	93
7) Trichlorofluoromethane	2.136	101	11965	0.687	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4135	0.733	ug/l	99
9) 1,1-Dichloroethene	2.576	96	3506	0.783	ug/l	95
10) Iodomethane	2.718	142	4945	0.707	ug/l	98
11) Allyl Chloride	2.920	41	4250	0.794	ug/l	87
12) Acrylonitrile	3.345	53	1754m	1.561	ug/l	
13) Acetone	2.650	43	4668m	3.975	ug/l	
14) Carbon Disulfide	2.792	76	5970	0.770	ug/l #	92
15) Methylene Chloride	3.042	84	14140	2.264	ug/l	93
16) trans-1,2-Dichloroethene	3.348	96	3596	0.738	ug/l	91
17) 1,1-Dichloroethane	3.866	63	8549	0.784	ug/l	97
18) 2-Butanone	4.737	43	5844m	3.944	ug/l	
19) Cyclohexane	5.390	56	5049m	0.823	ug/l	
20) Methylcyclohexane	6.756	83	5904	0.720	ug/l #	77
21) 2,2-Dichloropropane	4.660	77	6673	0.660	ug/l #	89
22) cis-1,2-Dichloroethene	4.669	96	5182	0.800	ug/l	92
23) Diethyl Ether	2.374	59	5375	0.814	ug/l #	92
24) tert-Butyl Alcohol	3.226	59	5347m	8.701	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	12050	0.870	ug/l	99
26) Bromochloromethane	4.975	128	2070	0.779	ug/l	87
27) Chloroform	5.087	83	9546	0.815	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	7188	0.711	ug/l	92
29) 1,1-Dichloropropene	5.528	75	5469	0.733	ug/l	99
30) Carbon Tetrachloride	5.521	117	6371	0.755	ug/l	96
31) Isopropyl Ether	3.994	45	11652	0.724	ug/l	85
32) Ethyl-t-butyl ether	4.496	59	13155	0.794	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	12786	0.816	ug/l #	94
34) Propionitrile	4.817	54	1870m	4.578	ug/l	
35) Benzene	5.775	78	18831	0.806	ug/l #	90
36) 1,2-Dichloroethane	5.801	62	5339	0.803	ug/l #	90
37) Trichloroethene	6.537	130	4998	0.796	ug/l	99
38) 1,2-Dichloropropane	6.788	63	5602	0.848	ug/l	91
39) Methacrylonitrile	4.991	41	1239m	0.757	ug/l	
40) Methyl acrylate	4.865	55	2338m	0.898	ug/l	
41) Tetrahydrofuran	5.081	42	1450	1.549	ug/l #	73
42) 1-Chlorobutane	5.454	56	7592	0.777	ug/l	97
43) Dibromomethane	6.920	93	2657	0.857	ug/l #	51
44) Bromodichloromethane	7.103	83	6754	0.782	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
Data File : VU054902.D
Acq On : 27 Jul 2023 18:32
Operator : MD/SY
Sample : 03572-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations APPROVED

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

Quant Time: Jul 28 06:56:12 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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	15113	4.176 ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	2452m	1.684 ug/l	
47) Methyl methacrylate	6.965	69	4573	1.613 ug/l #	93
48) Ethyl methacrylate	8.341	69	4657	0.812 ug/l	98
49) Toluene	7.968	92	11871	0.798 ug/l	99
50) t-1,3-Dichloropropene	8.209	75	5510	0.718 ug/l	91
51) cis-1,3-Dichloropropene	7.608	75	6930	0.735 ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	4277	0.870 ug/l	87
53) 1,3-Dichloropropane	8.573	76	6658	0.837 ug/l	99
54) 2-Hexanone	8.688	43	9975	3.879 ug/l	98
55) Dibromochloromethane	8.807	129	3573	0.634 ug/l	97
56) 1,2-Dibromoethane	8.923	107	3414	0.819 ug/l	94
58) Tetrachloroethene	8.553	164	4456	0.813 ug/l	93
59) Chlorobenzene	9.444	112	14063	0.779 ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	4783	0.750 ug/l	96
61) Pentachloroethane	11.425	117	3515	0.706 ug/l	97
62) Hexachloroethane	12.473	117	3623	0.707 ug/l	94
63) Ethyl Benzene	9.569	91	23213	0.766 ug/l	98
64) m/p-Xylenes	9.695	106	17843	1.574 ug/l	98
65) o-Xylene	10.100	106	8912	0.765 ug/l	97
66) Styrene	10.116	104	14204	0.763 ug/l	97
67) Bromoform	10.290	173	2059	0.705 ug/l #	95
69) Isopropylbenzene	10.483	105	22958	0.734 ug/l	93
70) 1,1,2,2-Tetrachloroethane	10.778	83	4703	0.773 ug/l	90
71) 1,2,3-Trichloropropane	10.830	75	4209m	0.971 ug/l	
72) Bromobenzene	10.785	156	5856	0.841 ug/l	95
73) n-propylbenzene	10.904	120	6084	0.727 ug/l	96
74) 2-Chlorotoluene	10.987	126	5961	0.823 ug/l	89
75) 1,3,5-Trimethylbenzene	11.087	105	19258	0.761 ug/l	99
76) 4-Chlorotoluene	11.100	126	6282	0.835 ug/l	95
77) tert-Butylbenzene	11.418	119	19734	0.750 ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	19305	0.745 ug/l	97
79) sec-Butylbenzene	11.643	105	25332	0.740 ug/l	100
80) Nitrobenzene	13.229	77	426m	2.664 ug/l	
81) p-Isopropyltoluene	11.791	119	18105	0.670 ug/l	100
82) 1,3-Dichlorobenzene	11.746	146	11572	0.781 ug/l	93
83) 1,4-Dichlorobenzene	11.833	146	11592	0.785 ug/l	97
84) n-Butylbenzene	12.209	91	15980	0.659 ug/l	97
85) 1,2-Dichlorobenzene	12.212	146	11741	0.827 ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	453	0.560 ug/l #	60
87) 1,2,4-Trichlorobenzene	13.839	180	6854	0.757 ug/l	98
88) Hexachlorobutadiene	14.019	225	3818	0.790 ug/l #	90
89) Naphthalene	14.090	128	9783	0.697 ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	6095	0.758 ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
Data File : VU054902.D
Acq On : 27 Jul 2023 18:32
Operator : MD/SY
Sample : 03572-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 28 06:56:12 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

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

Manual Integrations APPROVED

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