

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054855.D
 Acq On : 24 Jul 2023 13:01
 Operator : MD/SY
 Sample : 03572-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 25 05:59:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 25 05:02:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Fluorobenzene	6.110	96	26698	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7950	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8681	0.930	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4031	0.759	ug/l	98
3) Chloromethane	1.518	50	5162	0.837	ug/l	98
4) Vinyl Chloride	1.602	62	6158	0.778	ug/l	98
5) Bromomethane	1.856	94	5088	0.905	ug/l	96
6) Chloroethane	1.930	64	5889	0.787	ug/l	99
7) Trichlorofluoromethane	2.133	101	14173	0.738	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4634	0.843	ug/l	97
9) 1,1-Dichloroethene	2.576	96	3982	0.867	ug/l	96
10) Iodomethane	2.721	142	5670	0.766	ug/l	100
11) Allyl Chloride	2.924	41	4700	0.872	ug/l	92
12) Acrylonitrile	3.332	53	1334	1.194	ug/l	# 56
13) Acetone	2.657	43	3753	3.918	ug/l	97
14) Carbon Disulfide	2.788	76	5917	0.764	ug/l	# 78
15) Methylene Chloride	3.039	84	7052	0.823	ug/l	94
16) trans-1,2-Dichloroethene	3.354	96	4044	0.792	ug/l	93
17) 1,1-Dichloroethane	3.869	63	8994	0.833	ug/l	# 87
18) 2-Butanone	4.740	43	4009	2.861	ug/l	93
19) Cyclohexane	5.383	56	5078	0.812	ug/l	97
20) Methylcyclohexane	6.763	83	6742	0.812	ug/l	94
21) 2,2-Dichloropropane	4.657	77	7402	0.786	ug/l	98
22) cis-1,2-Dichloroethene	4.663	96	5119	0.792	ug/l	97
23) Diethyl Ether	2.377	59	5616	0.796	ug/l	92
24) tert-Butyl Alcohol	3.255	59	2921m	4.805	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	10676	0.762	ug/l	99
26) Bromochloromethane	4.968	128	1814	0.736	ug/l	80
27) Chloroform	5.084	83	9353	0.788	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	8286	0.831	ug/l	94
29) 1,1-Dichloropropene	5.521	75	5737	0.809	ug/l	97
30) Carbon Tetrachloride	5.521	117	6404	0.773	ug/l	97
31) Isopropyl Ether	3.991	45	12952	0.810	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	13406	0.816	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	12591	0.815	ug/l	99
34) Propionitrile	4.801	54	667m	1.591	ug/l	
35) Benzene	5.769	78	17919	0.777	ug/l	98
36) 1,2-Dichloroethane	5.788	62	4853	0.733	ug/l	# 92
37) Trichloroethene	6.538	130	5420	0.870	ug/l	85
38) 1,2-Dichloropropane	6.788	63	5145	0.773	ug/l	94
39) Methacrylonitrile	4.988	41	948	0.635	ug/l	# 69
40) Methyl acrylate	4.872	55	1662	0.653	ug/l	# 73
41) Tetrahydrofuran	5.075	42	1347	1.527	ug/l	# 82
42) 1-Chlorobutane	5.457	56	8190m	0.853	ug/l	
43) Dibromomethane	6.917	93	2506	0.809	ug/l	98
44) Bromodichloromethane	7.103	83	6934	0.818	ug/l	# 98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054855.D
 Acq On : 24 Jul 2023 13:01
 Operator : MD/SY
 Sample : 03572-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 25 05:59:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 25 05:02:28 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/25/2023
 Supervised By :Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	14422	3.936	ug/l	94
46) t-1,4-Dichloro-2-butene	10.840	75	2096m	1.366	ug/l	
47) Methyl methacrylate	6.962	69	4330	1.489	ug/l	95
48) Ethyl methacrylate	8.335	69	4346	0.736	ug/l	98
49) Toluene	7.968	92	11315	0.769	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	5235	0.696	ug/l	98
51) cis-1,3-Dichloropropene	7.608	75	7256	0.794	ug/l	98
52) 1,1,2-Trichloroethane	8.402	97	3833	0.821	ug/l	86
53) 1,3-Dichloropropane	8.573	76	5091	0.647	ug/l	92
54) 2-Hexanone	8.685	43	8510	3.332	ug/l	91
55) Dibromochloromethane	8.804	129	3357m	0.602	ug/l	
56) 1,2-Dibromoethane	8.923	107	3220	0.788	ug/l	97
58) Tetrachloroethene	8.550	164	4449	0.819	ug/l	95
59) Chlorobenzene	9.447	112	14113	0.805	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	3946	0.637	ug/l #	76
61) Pentachloroethane	11.425	117	3386	0.695	ug/l	91
62) Hexachloroethane	12.473	117	3694	0.738	ug/l	99
63) Ethyl Benzene	9.566	91	23474	0.785	ug/l #	88
64) m/p-Xylenes	9.689	106	17361	1.536	ug/l	99
65) o-Xylene	10.097	106	9376	0.824	ug/l	87
66) Styrene	10.113	104	13499	0.738	ug/l	98
67) Bromoform	10.287	173	2477	0.824	ug/l #	97
69) Isopropylbenzene	10.479	105	23652	0.766	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.778	83	4545	0.780	ug/l #	94
71) 1,2,3-Trichloropropane	10.820	75	3089m	0.753	ug/l	
72) Bromobenzene	10.782	156	5694	0.799	ug/l	97
73) n-propylbenzene	10.907	120	6078	0.733	ug/l	95
74) 2-Chlorotoluene	10.988	126	5878	0.814	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	19060	0.758	ug/l	97
76) 4-Chlorotoluene	11.097	126	5906	0.795	ug/l	94
77) tert-Butylbenzene	11.415	119	19321	0.746	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	18592	0.735	ug/l	96
79) sec-Butylbenzene	11.640	105	23956	0.713	ug/l	99
80) Nitrobenzene	13.222	77	588m	3.482	ug/l	
81) p-Isopropyltoluene	11.791	119	19064	0.696	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	10853	0.761	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	11353	0.794	ug/l	98
84) n-Butylbenzene	12.206	91	16543	0.657	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	11012	0.811	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.000	75	521	0.682	ug/l	90
87) 1,2,4-Trichlorobenzene	13.836	180	6884	0.790	ug/l	89
88) Hexachlorobutadiene	14.013	225	3544	0.762	ug/l	97
89) Naphthalene	14.087	128	10377	0.737	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	5543	0.736	ug/l	92

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

