

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054854.D
 Acq On : 24 Jul 2023 12:38
 Operator : MD/SY
 Sample : 03572-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 25 05:52:17 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

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

Internal Standards						
1) Fluorobenzene	6.113	96	26425	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7687	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	9450	1.023	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	1692	0.322	ug/l	86
3) Chloromethane	1.522	50	2609	0.427	ug/l	# 86
4) Vinyl Chloride	1.602	62	2557	0.326	ug/l	97
5) Bromomethane	1.856	94	2321	0.417	ug/l	83
6) Chloroethane	1.930	64	2623	0.354	ug/l	# 88
7) Trichlorofluoromethane	2.133	101	6156	0.324	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.583	101	2018	0.371	ug/l	87
9) 1,1-Dichloroethene	2.573	96	1513	0.333	ug/l	92
10) Iodomethane	2.721	142	2341	0.320	ug/l	# 56
11) Allyl Chloride	2.920	41	2004m	0.376	ug/l	
12) Acrylonitrile	3.338	53	320	0.289	ug/l	# 47
13) Acetone	2.660	43	2754m	2.905	ug/l	
14) Carbon Disulfide	2.788	76	2638	0.344	ug/l	95
15) Methylene Chloride	3.042	84	4748	0.560	ug/l	89
16) trans-1,2-Dichloroethene	3.354	96	1517	0.300	ug/l	90
17) 1,1-Dichloroethane	3.869	63	3791	0.355	ug/l	# 81
18) 2-Butanone	4.740	43	2341m	1.688	ug/l	
19) Cyclohexane	5.383	56	2689	0.434	ug/l	97
20) Methylcyclohexane	6.759	83	2828	0.344	ug/l	97
21) 2,2-Dichloropropane	4.653	77	3481	0.373	ug/l	# 61
22) cis-1,2-Dichloroethene	4.653	96	2260	0.353	ug/l	89
23) Diethyl Ether	2.374	59	2439	0.349	ug/l	# 88
24) tert-Butyl Alcohol	3.296	59	1239m	2.059	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	5607	0.404	ug/l	99
26) Bromochloromethane	4.968	128	713m	0.292	ug/l	
27) Chloroform	5.087	83	4182	0.356	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	3364	0.341	ug/l	97
29) 1,1-Dichloropropene	5.528	75	2251	0.321	ug/l	96
30) Carbon Tetrachloride	5.515	117	2337	0.285	ug/l	# 84
31) Isopropyl Ether	3.991	45	5990	0.379	ug/l	91
32) Ethyl-t-butyl ether	4.505	59	5689	0.350	ug/l	# 66
33) Tert-Amyl methyl ether	5.939	73	5309	0.347	ug/l	# 95
34) Propionitrile	4.824	54	151	0.364	ug/l	# 1
35) Benzene	5.775	78	7972	0.349	ug/l	97
36) 1,2-Dichloroethane	5.801	62	2369	0.361	ug/l	# 88
37) Trichloroethene	6.541	130	2154	0.349	ug/l	99
38) 1,2-Dichloropropane	6.795	63	2195	0.333	ug/l	# 76
41) Tetrahydrofuran	5.087	42	399	0.457	ug/l	# 36
42) 1-Chlorobutane	5.457	56	3514	0.370	ug/l	95
43) Dibromomethane	6.920	93	1091	0.356	ug/l	# 51
44) Bromodichloromethane	7.103	83	2895	0.345	ug/l	# 99
45) 4-Methyl-2-Pentanone	7.795	43	6137	1.692	ug/l	97
46) t-1,4-Dichloro-2-butene	10.843	75	577m	0.380	ug/l	

07/25/2023
 Supervised By :Mahesh
 Padada

07/31/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
47) Methyl methacrylate	6.972	69	1749	0.608	ug/l	#	89
48) Ethyl methacrylate	8.338	69	1802	0.308	ug/l		95
49) Toluene	7.968	92	5153	0.354	ug/l		97
50) t-1,3-Dichloropropene	8.209	75	2574	0.346	ug/l		97
51) cis-1,3-Dichloropropene	7.605	75	3225	0.356	ug/l	#	87
52) 1,1,2-Trichloroethane	8.399	97	1211	0.262	ug/l	#	92
53) 1,3-Dichloropropane	8.576	76	2904	0.373	ug/l		96
54) 2-Hexanone	8.692	43	4122	1.630	ug/l		96
55) Dibromochloromethane	8.808	129	1725	0.312	ug/l		90
56) 1,2-Dibromoethane	8.926	107	1255	0.310	ug/l		83
58) Tetrachloroethene	8.547	164	1836	0.342	ug/l	#	87
59) Chlorobenzene	9.447	112	6264	0.361	ug/l	#	87
60) 1,1,1,2-Tetrachloroethane	9.531	131	2272	0.371	ug/l	#	83
61) Pentachloroethane	11.425	117	1381	0.286	ug/l		90
62) Hexachloroethane	12.476	117	1341	0.271	ug/l		84
63) Ethyl Benzene	9.570	91	9609	0.325	ug/l		93
64) m/p-Xylenes	9.692	106	7297	0.652	ug/l		93
65) o-Xylene	10.097	106	3757	0.333	ug/l		95
66) Styrene	10.116	104	5205	0.288	ug/l	#	88
67) Bromoform	10.290	173	924	0.310	ug/l	#	94
69) Isopropylbenzene	10.479	105	10002	0.327	ug/l		90
70) 1,1,2,2-Tetrachloroethane	10.778	83	1711	0.297	ug/l	#	95
71) 1,2,3-Trichloropropane	10.827	75	1627m	0.400	ug/l		
72) Bromobenzene	10.782	156	2046	0.290	ug/l		80
73) n-propylbenzene	10.904	120	2406	0.293	ug/l		87
74) 2-Chlorotoluene	10.984	126	2672	0.374	ug/l		88
75) 1,3,5-Trimethylbenzene	11.087	105	8214	0.330	ug/l		99
76) 4-Chlorotoluene	11.100	126	2460	0.335	ug/l		91
77) tert-Butylbenzene	11.415	119	8943	0.349	ug/l		99
78) 1,2,4-Trimethylbenzene	11.467	105	8177	0.327	ug/l		96
79) sec-Butylbenzene	11.640	105	9939	0.299	ug/l		98
80) Nitrobenzene	13.232	77	178	1.065	ug/l	#	45
81) p-Isopropyltoluene	11.791	119	7958	0.294	ug/l		95
82) 1,3-Dichlorobenzene	11.746	146	5007	0.355	ug/l		96
83) 1,4-Dichlorobenzene	11.836	146	4833	0.341	ug/l		96
84) n-Butylbenzene	12.209	91	7309	0.293	ug/l		99
85) 1,2-Dichlorobenzene	12.213	146	4895	0.364	ug/l		94
86) 1,2-Dibromo-3-Chloropr...	12.991	75	198	0.262	ug/l	#	6
87) 1,2,4-Trichlorobenzene	13.839	180	2901	0.337	ug/l	#	85
88) Hexachlorobutadiene	14.020	225	1416	0.308	ug/l	#	88
89) Naphthalene	14.087	128	5503	0.395	ug/l	#	94
90) 1,2,3-Trichlorobenzene	14.328	180	2447	0.328	ug/l		85

07/25/2023
 Supervised By :Mahesh
 Dadoda

07/31/2023

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

