

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
 Data File : VU057794.D
 Acq On : 02 Feb 2024 14:41
 Operator : MD/SY
 Sample : P1187-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Quant Time: Feb 05 02:33:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 05 02:31:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

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

Internal Standards						
1) Fluorobenzene	6.110	96	42402	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14296	0.890	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13060	0.903	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	6156	0.436	ug/l	99
3) Chloromethane	1.519	50	6462	0.477	ug/l	96
4) Vinyl Chloride	1.602	62	6452	0.467	ug/l	93
5) Bromomethane	1.856	94	4325	0.528	ug/l	89
6) Chloroethane	1.930	64	4079	0.467	ug/l	96
7) Trichlorofluoromethane	2.133	101	8802	0.416	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4324	0.398	ug/l	95
9) 1,1-Dichloroethene	2.573	96	4474	0.425	ug/l	90
10) Iodomethane	2.718	142	4563	0.365	ug/l	89
11) Allyl Chloride	2.920	41	6430	0.450	ug/l	89
12) Acrylonitrile	3.351	53	1234m	0.686	ug/l	
13) Acetone	2.650	43	8079	2.482	ug/l	91
14) Carbon Disulfide	2.789	76	14338	0.425	ug/l	99
15) Methylene Chloride	3.043	84	6137	0.488	ug/l	98
16) trans-1,2-Dichloroethene	3.351	96	4936	0.429	ug/l	93
17) 1,1-Dichloroethane	3.859	63	9611	0.442	ug/l	97
18) 2-Butanone	4.753	43	4902	1.397	ug/l	97
19) Cyclohexane	5.383	56	7383	0.434	ug/l	90
20) Methylcyclohexane	6.756	83	8421	0.409	ug/l	95
21) 2,2-Dichloropropane	4.653	77	8344	0.433	ug/l	91
22) cis-1,2-Dichloroethene	4.670	96	5585	0.443	ug/l	98
23) Diethyl Ether	2.371	59	3253	0.428	ug/l	88
24) tert-Butyl Alcohol	3.184	59	4035m	4.667	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	10879	0.440	ug/l	# 86
26) Bromochloromethane	4.972	128	2032	0.401	ug/l	91
27) Chloroform	5.081	83	10129	0.449	ug/l	91
28) 1,1,1-Trichloroethane	5.309	97	8665	0.425	ug/l	97
29) 1,1-Dichloropropene	5.525	75	7063	0.428	ug/l	98
30) Carbon Tetrachloride	5.518	117	7225	0.411	ug/l	99
31) Isopropyl Ether	3.988	45	13613	0.428	ug/l	95
32) Ethyl-t-butyl ether	4.496	59	12396	0.420	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	10341m	0.416	ug/l	
34) Propionitrile	4.834	54	1359m	1.869	ug/l	
35) Benzene	5.772	78	21042	0.443	ug/l	99
36) 1,2-Dichloroethane	5.795	62	5871	0.424	ug/l	# 92
37) Trichloroethene	6.538	130	5595	0.444	ug/l	100
38) 1,2-Dichloropropane	6.785	63	5246	0.426	ug/l	95
39) Methacrylonitrile	4.997	41	675	0.233	ug/l	# 87
40) Methyl acrylate	4.888	55	1850m	0.424	ug/l	
41) Tetrahydrofuran	5.075	42	1251	0.809	ug/l	# 59
42) 1-Chlorobutane	5.457	56	9206	0.423	ug/l	88
43) Dibromomethane	6.917	93	2317	0.409	ug/l	95
44) Bromodichloromethane	7.104	83	6495	0.410	ug/l	99

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45) 4-Methyl-2-Pentanone	7.792	43	11891	1.970	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	1566m	1.142	ug/l	
47) Methyl methacrylate	6.965	69	3724	0.744	ug/l #	87
48) Ethyl methacrylate	8.338	69	3408	0.340	ug/l	76
49) Toluene	7.965	92	12141	0.418	ug/l	99
50) t-1,3-Dichloropropene	8.213	75	5440	0.397	ug/l	91
51) cis-1,3-Dichloropropene	7.605	75	6533	0.377	ug/l #	83
52) 1,1,2-Trichloroethane	8.399	97	3197	0.410	ug/l	96
53) 1,3-Dichloropropane	8.573	76	6046	0.431	ug/l	97
54) 2-Hexanone	8.692	43	10734	1.932	ug/l	96
55) Dibromochloromethane	8.808	129	3778	0.391	ug/l	99
56) 1,2-Dibromoethane	8.920	107	2989	0.416	ug/l	94
58) Tetrachloroethene	8.550	164	4629	0.416	ug/l	87
59) Chlorobenzene	9.447	112	13444	0.419	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	4476	0.411	ug/l	95
61) Pentachloroethane	11.418	117	2838	0.358	ug/l	95
62) Hexachloroethane	12.470	117	2860	0.331	ug/l	97
63) Ethyl Benzene	9.570	91	23355	0.409	ug/l	99
64) m/p-Xylenes	9.692	106	16789	0.810	ug/l	99
65) o-Xylene	10.097	106	8296	0.404	ug/l	96
66) Styrene	10.116	104	11428	0.373	ug/l	92
67) Bromoform	10.287	173	1789	0.360	ug/l #	92
69) Isopropylbenzene	10.480	105	21990	0.409	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	3458	0.354	ug/l	86
71) 1,2,3-Trichloropropane	10.820	75	3028m	0.375	ug/l	
72) Bromobenzene	10.782	156	4727	0.399	ug/l	81
73) n-propylbenzene	10.904	120	6033	0.447	ug/l	96
74) 2-Chlorotoluene	10.984	126	4869	0.388	ug/l	89
75) 1,3,5-Trimethylbenzene	11.084	105	18496	0.400	ug/l	100
76) 4-Chlorotoluene	11.097	126	5150	0.409	ug/l	94
77) tert-Butylbenzene	11.415	119	17927	0.414	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	19858	0.424	ug/l	94
79) sec-Butylbenzene	11.640	105	24030	0.434	ug/l	100
80) Nitrobenzene	13.235	77	309	1.612	ug/l #	40
81) p-Isopropyltoluene	11.788	119	19483	0.417	ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	10723	0.448	ug/l	95
83) 1,4-Dichlorobenzene	11.836	146	10278	0.440	ug/l	96
84) n-Butylbenzene	12.206	91	21130	0.473	ug/l	96
85) 1,2-Dichlorobenzene	12.213	146	9872	0.455	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	544	0.406	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.840	180	7607	0.587	ug/l	96
88) Hexachlorobutadiene	14.016	225	4207	0.506	ug/l	96
89) Naphthalene	14.090	128	12202	0.609	ug/l	96
90) 1,2,3-Trichlorobenzene	14.328	180	6286	0.583	ug/l	99

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

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