

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060318.D
 Acq On : 06 Aug 2024 13:14
 Operator : MD/SY
 Sample : P3390-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2024

Quant Time: Aug 07 07:28:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

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

Internal Standards						
1) Fluorobenzene	6.113	96	34910	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10530	0.885	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11605	0.898	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5951	0.443	ug/l	100
3) Chloromethane	1.518	50	6970	0.454	ug/l	97
4) Vinyl Chloride	1.599	62	7391	0.482	ug/l	97
5) Bromomethane	1.853	94	4921	0.522	ug/l	95
6) Chloroethane	1.930	64	4607	0.496	ug/l	94
7) Trichlorofluoromethane	2.133	101	8366	0.452	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4817	0.478	ug/l	98
9) 1,1-Dichloroethene	2.573	96	4674	0.448	ug/l	95
10) Iodomethane	2.715	142	6807	0.440	ug/l	98
11) Allyl Chloride	2.920	41	5401	0.377	ug/l	95
12) Acrylonitrile	3.358	53	1569m	0.575	ug/l	
13) Acetone	2.650	43	6452	1.948	ug/l	93
14) Carbon Disulfide	2.788	76	16958	0.479	ug/l	96
15) Methylene Chloride	3.043	84	6265	0.480	ug/l	91
16) trans-1,2-Dichloroethene	3.354	96	4760	0.426	ug/l	99
17) 1,1-Dichloroethane	3.866	63	9617	0.447	ug/l #	90
18) 2-Butanone	4.747	43	7078m	1.850	ug/l	
19) Cyclohexane	5.380	56	6613m	0.357	ug/l	
20) Methylcyclohexane	6.763	83	5595	0.380	ug/l	93
21) 2,2-Dichloropropane	4.653	77	6928	0.414	ug/l	100
22) cis-1,2-Dichloroethene	4.666	96	5060	0.422	ug/l	97
23) Diethyl Ether	2.374	59	3858	0.455	ug/l	93
24) tert-Butyl Alcohol	3.242	59	3717m	3.508	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	9422	0.368	ug/l	98
26) Bromochloromethane	4.975	128	2570	0.507	ug/l	86
27) Chloroform	5.081	83	9855	0.468	ug/l	94
28) 1,1,1-Trichloroethane	5.306	97	7502	0.429	ug/l	96
29) 1,1-Dichloropropene	5.525	75	5705	0.407	ug/l	99
30) Carbon Tetrachloride	5.521	117	6966	0.489	ug/l	98
31) Isopropyl Ether	3.988	45	10007	0.318	ug/l	79
32) Ethyl-t-butyl ether	4.493	59	9566	0.315	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	8690	0.403	ug/l	98
34) Propionitrile	4.827	54	1900m	1.737	ug/l	
35) Benzene	5.772	78	19710	0.457	ug/l	98
36) 1,2-Dichloroethane	5.792	62	5641	0.470	ug/l	95
37) Trichloroethene	6.541	130	5533	0.518	ug/l	86
38) 1,2-Dichloropropane	6.788	63	5380	0.461	ug/l	98
39) Methacrylonitrile	5.010	41	977	0.247	ug/l #	46
40) Methyl acrylate	4.911	55	1934m	0.279	ug/l	
41) Tetrahydrofuran	5.081	42	1201m	0.557	ug/l	
42) 1-Chlorobutane	5.457	56	8100	0.420	ug/l	96
43) Dibromomethane	6.920	93	2565	0.434	ug/l	98
44) Bromodichloromethane	7.103	83	6660	0.470	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	11756	2.120	ug/l	93
46) t-1,4-Dichloro-2-butene	10.846	75	2132m	0.686	ug/l	
47) Methyl methacrylate	6.972	69	3425	0.715	ug/l	96
48) Ethyl methacrylate	8.335	69	3280	0.403	ug/l	95
49) Toluene	7.968	92	9921	0.415	ug/l	94
50) t-1,3-Dichloropropene	8.213	75	5337	0.456	ug/l	93
51) cis-1,3-Dichloropropene	7.605	75	6644	0.472	ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	3908	0.451	ug/l	93
53) 1,3-Dichloropropane	8.573	76	6221	0.450	ug/l	96
54) 2-Hexanone	8.692	43	8659	2.015	ug/l	88
55) Dibromochloromethane	8.808	129	4529	0.476	ug/l	99
56) 1,2-Dibromoethane	8.923	107	3531	0.454	ug/l	96
58) Tetrachloroethene	8.550	164	4658	0.488	ug/l	95
59) Chlorobenzene	9.447	112	12087	0.467	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.528	131	4706	0.461	ug/l	98
61) Pentachloroethane	11.418	117	3932	0.451	ug/l	97
62) Hexachloroethane	12.467	117	3858	0.458	ug/l	96
63) Ethyl Benzene	9.570	91	16319	0.809	ug/l	97
64) m/p-Xylenes	9.695	106	12056	1.473	ug/l	94
65) o-Xylene	10.100	106	5899	0.741	ug/l	95
66) Styrene	10.116	104	9257	0.742	ug/l	97
67) Bromoform	10.290	173	2679	0.481	ug/l #	92
69) Isopropylbenzene	10.483	105	14978	0.767	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.779	83	5007	0.434	ug/l	94
71) 1,2,3-Trichloropropane	10.824	75	4011m	0.469	ug/l	
72) Bromobenzene	10.782	156	4825	0.454	ug/l	98
73) n-propylbenzene	10.904	120	3976	0.758	ug/l	85
74) 2-Chlorotoluene	10.984	126	4302	0.652	ug/l	95
75) 1,3,5-Trimethylbenzene	11.087	105	11624	0.712	ug/l	97
76) 4-Chlorotoluene	11.097	126	4043	0.637	ug/l	88
77) tert-Butylbenzene	11.415	119	13409	0.757	ug/l	94
78) 1,2,4-Trimethylbenzene	11.467	105	12281	0.754	ug/l	99
79) sec-Butylbenzene	11.640	105	16240	0.727	ug/l	99
80) Nitrobenzene	13.232	77	1253m	2.474	ug/l	
81) p-Isopropyltoluene	11.791	119	12629	0.775	ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	9757	0.440	ug/l	100
83) 1,4-Dichlorobenzene	11.836	146	9690	0.440	ug/l	99
84) n-Butylbenzene	12.206	91	12902	0.781	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	9487	0.442	ug/l	94
86) 1,2-Dibromo-3-Chloropr...	12.997	75	640	0.383	ug/l #	85
87) 1,2,4-Trichlorobenzene	13.843	180	6156	0.501	ug/l	98
88) Hexachlorobutadiene	14.016	225	3893	0.490	ug/l	97
89) Naphthalene	14.090	128	9362	0.431	ug/l	96
90) 1,2,3-Trichlorobenzene	14.328	180	5449	0.455	ug/l	99

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

