

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060319.D
 Acq On : 06 Aug 2024 13:38
 Operator : MD/SY
 Sample : P3390-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 07 07:32:12 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	6.110	96	33757	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10927	0.950	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	12654	1.013	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	11777	0.907	ug/l	96
3) Chloromethane	1.518	50	12862	0.866	ug/l	99
4) Vinyl Chloride	1.599	62	13811	0.931	ug/l	99
5) Bromomethane	1.853	94	8711	0.955	ug/l	98
6) Chloroethane	1.930	64	9050	1.008	ug/l	98
7) Trichlorofluoromethane	2.132	101	16476	0.920	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	8960	0.920	ug/l	95
9) 1,1-Dichloroethene	2.573	96	9006	0.892	ug/l	92
10) Iodomethane	2.718	142	12996	0.869	ug/l	98
11) Allyl Chloride	2.920	41	10578	0.765	ug/l	97
12) Acrylonitrile	3.351	53	3862m	1.465	ug/l	
13) Acetone	2.653	43	10249	3.200	ug/l	97
14) Carbon Disulfide	2.785	76	31384	0.917	ug/l	96
15) Methylene Chloride	3.039	84	11253	0.891	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	9835	0.910	ug/l	90
17) 1,1-Dichloroethane	3.865	63	18225	0.877	ug/l	99
18) 2-Butanone	4.734	43	12606m	3.407	ug/l	
19) Cyclohexane	5.380	56	11734m	0.655	ug/l	
20) Methylcyclohexane	6.756	83	12196	0.858	ug/l	97
21) 2,2-Dichloropropane	4.653	77	13852	0.856	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	9934	0.858	ug/l	93
23) Diethyl Ether	2.374	59	7834	0.955	ug/l	98
24) tert-Butyl Alcohol	3.248	59	6715m	6.555	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	18226	0.736	ug/l	97
26) Bromochloromethane	4.965	128	4805	0.980	ug/l	92
27) Chloroform	5.084	83	19044	0.936	ug/l	96
28) 1,1,1-Trichloroethane	5.316	97	15183	0.898	ug/l	96
29) 1,1-Dichloropropene	5.521	75	11312	0.835	ug/l	98
30) Carbon Tetrachloride	5.515	117	13173	0.957	ug/l	99
31) Isopropyl Ether	3.984	45	20124	0.662	ug/l	85
32) Ethyl-t-butyl ether	4.496	59	18929	0.644	ug/l	92
33) Tert-Amyl methyl ether	5.939	73	18053	0.866	ug/l	98
34) Propionitrile	4.833	54	3686m	3.486	ug/l	
35) Benzene	5.772	78	37809	0.906	ug/l	96
36) 1,2-Dichloroethane	5.791	62	10680	0.921	ug/l	# 84
37) Trichloroethene	6.537	130	10146	0.982	ug/l	96
38) 1,2-Dichloropropane	6.785	63	10860	0.962	ug/l	94
39) Methacrylonitrile	4.988	41	2056m	0.537	ug/l	
40) Methyl acrylate	4.878	55	4487m	0.670	ug/l	
41) Tetrahydrofuran	5.091	42	2510m	1.204	ug/l	
42) 1-Chlorobutane	5.454	56	15705	0.841	ug/l	94
43) Dibromomethane	6.914	93	5329	0.933	ug/l	98
44) Bromodichloromethane	7.100	83	13105	0.956	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	22326	4.164	ug/l	96
46) t-1,4-Dichloro-2-butene	10.827	75	5603m	1.865	ug/l	
47) Methyl methacrylate	6.962	69	7744	1.671	ug/l	91
48) Ethyl methacrylate	8.332	69	6597	0.839	ug/l	97
49) Toluene	7.965	92	19818	0.857	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	10382	0.917	ug/l #	89
51) cis-1,3-Dichloropropene	7.605	75	12124	0.890	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	7876	0.940	ug/l	97
53) 1,3-Dichloropropane	8.573	76	12541	0.938	ug/l	98
54) 2-Hexanone	8.685	43	16291	3.921	ug/l	95
55) Dibromochloromethane	8.804	129	8838	0.961	ug/l	98
56) 1,2-Dibromoethane	8.923	107	7097	0.944	ug/l	92
58) Tetrachloroethene	8.550	164	8972	0.972	ug/l	94
59) Chlorobenzene	9.444	112	23643	0.944	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	9279	0.940	ug/l	98
61) Pentachloroethane	11.421	117	7526	0.893	ug/l	98
62) Hexachloroethane	12.470	117	7486	0.919	ug/l	95
63) Ethyl Benzene	9.566	91	33311	1.154	ug/l	100
64) m/p-Xylenes	9.688	106	24905	2.126	ug/l	96
65) o-Xylene	10.097	106	13220	1.134	ug/l	92
66) Styrene	10.113	104	19027	1.048	ug/l	96
67) Bromoform	10.283	173	5336	0.991	ug/l #	98
69) Isopropylbenzene	10.479	105	32470	1.130	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	10290	0.923	ug/l #	94
71) 1,2,3-Trichloropropane	10.817	75	7118m	0.862	ug/l	
72) Bromobenzene	10.778	156	9792	0.952	ug/l	96
73) n-propylbenzene	10.901	120	8588	1.091	ug/l	97
74) 2-Chlorotoluene	10.981	126	8664	1.016	ug/l	96
75) 1,3,5-Trimethylbenzene	11.084	105	25981	1.046	ug/l	98
76) 4-Chlorotoluene	11.097	126	8505	0.991	ug/l	95
77) tert-Butylbenzene	11.415	119	27340	1.102	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	25974	1.059	ug/l	100
79) sec-Butylbenzene	11.637	105	35980	1.082	ug/l	99
80) Nitrobenzene	13.222	77	2006m	4.096	ug/l	
81) p-Isopropyltoluene	11.788	119	26937	1.083	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	19472	0.907	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	20653	0.969	ug/l	94
84) n-Butylbenzene	12.206	91	27196	1.099	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	19780	0.953	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	1527	0.944	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.839	180	10584	0.892	ug/l	96
88) Hexachlorobutadiene	14.013	225	7393	0.963	ug/l	94
89) Naphthalene	14.087	128	15778	0.751	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	9603	0.829	ug/l	97

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

