

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
 Data File : VU057787.D
 Acq On : 02 Feb 2024 11:14
 Operator : MD/SY
 Sample : VU0202WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0202WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 03 05:52:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 00:27:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	42212	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15437	0.966	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13096	0.910	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	27145	1.931	ug/l	97
3) Chloromethane	1.518	50	26153	1.939	ug/l	96
4) Vinyl Chloride	1.602	62	27400	1.992	ug/l	99
5) Bromomethane	1.856	94	16804	2.059	ug/l	98
6) Chloroethane	1.933	64	16816	1.936	ug/l	99
7) Trichlorofluoromethane	2.133	101	40252	1.911	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	20522	1.895	ug/l	97
9) 1,1-Dichloroethene	2.576	96	20505	1.955	ug/l	96
10) Iodomethane	2.718	142	23740	1.908	ug/l	93
11) Allyl Chloride	2.917	41	28630	2.012	ug/l	89
12) Acrylonitrile	3.335	53	7142	3.989	ug/l	95
13) Acetone	2.653	43	37723	11.642	ug/l	89
14) Carbon Disulfide	2.788	76	65017	1.936	ug/l	98
15) Methylene Chloride	3.042	84	23941	1.911	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	22918	2.001	ug/l	96
17) 1,1-Dichloroethane	3.862	63	44010	2.035	ug/l	99
18) 2-Butanone	4.721	43	37852	10.838	ug/l	96
19) Cyclohexane	5.383	56	33155	1.957	ug/l	88
20) Methylcyclohexane	6.756	83	40337	1.970	ug/l	95
21) 2,2-Dichloropropane	4.657	77	37981	1.978	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	23924	1.907	ug/l	93
23) Diethyl Ether	2.370	59	15122	1.997	ug/l	97
24) tert-Butyl Alcohol	3.255	59	18336m	21.304	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	48297	1.962	ug/l	97
26) Bromochloromethane	4.972	128	9697	1.924	ug/l	98
27) Chloroform	5.081	83	45266	2.014	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	39603	1.951	ug/l	99
29) 1,1-Dichloropropene	5.521	75	32782	1.996	ug/l	97
30) Carbon Tetrachloride	5.518	117	33095	1.892	ug/l	99
31) Isopropyl Ether	3.985	45	63591	2.010	ug/l	93
32) Ethyl-t-butyl ether	4.493	59	59353	2.020	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	46921	1.897	ug/l	98
34) Propionitrile	4.811	54	7150m	9.878	ug/l	
35) Benzene	5.769	78	92839	1.963	ug/l	99
36) 1,2-Dichloroethane	5.792	62	26768	1.943	ug/l	98
37) Trichloroethene	6.538	130	24367	1.940	ug/l	100
38) 1,2-Dichloropropane	6.785	63	24830	2.025	ug/l	99
39) Methacrylonitrile	4.978	41	5555	1.925	ug/l #	67
40) Methyl acrylate	4.859	55	9943m	2.248	ug/l	
41) Tetrahydrofuran	5.071	42	6213	4.034	ug/l	91
42) 1-Chlorobutane	5.454	56	41814	1.931	ug/l	92
43) Dibromomethane	6.914	93	10832	1.921	ug/l	96
44) Bromodichloromethane	7.097	83	30484	1.931	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	58754	9.778	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	6606m	4.649	ug/l	
47) Methyl methacrylate	6.959	69	19103	3.835	ug/l #	89
48) Ethyl methacrylate	8.332	69	18825	1.886	ug/l	95
49) Toluene	7.965	92	56277	1.948	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	26181	1.921	ug/l	96
51) cis-1,3-Dichloropropene	7.602	75	33422	1.936	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	15349	1.976	ug/l	96
53) 1,3-Dichloropropane	8.570	76	27398	1.962	ug/l	99
54) 2-Hexanone	8.685	43	54748	9.897	ug/l	96
55) Dibromochloromethane	8.804	129	18046	1.877	ug/l	99
56) 1,2-Dibromoethane	8.920	107	14048	1.965	ug/l	97
58) Tetrachloroethene	8.547	164	22055	1.991	ug/l	97
59) Chlorobenzene	9.444	112	61782	1.935	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	20669	1.906	ug/l	99
61) Pentachloroethane	11.422	117	14289	1.813	ug/l	89
62) Hexachloroethane	12.470	117	14809	1.855	ug/l	95
63) Ethyl Benzene	9.566	91	108114	1.904	ug/l	99
64) m/p-Xylenes	9.689	106	79404	3.849	ug/l	96
65) o-Xylene	10.097	106	38421	1.882	ug/l	91
66) Styrene	10.110	104	56720	1.861	ug/l	97
67) Bromoform	10.287	173	9578	1.935	ug/l	96
69) Isopropylbenzene	10.479	105	101565	1.897	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	18429	1.893	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	12724m	1.583	ug/l	
72) Bromobenzene	10.779	156	22466	1.907	ug/l	83
73) n-propylbenzene	10.901	120	24316	1.808	ug/l	98
74) 2-Chlorotoluene	10.981	126	23605	1.892	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	88432	1.923	ug/l	98
76) 4-Chlorotoluene	11.094	126	23205	1.850	ug/l	94
77) tert-Butylbenzene	11.415	119	78558	1.821	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	87611	1.879	ug/l	99
79) sec-Butylbenzene	11.637	105	103488	1.877	ug/l	100
80) Nitrobenzene	13.219	77	2059	10.884	ug/l #	84
81) p-Isopropyltoluene	11.788	119	88630	1.906	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	44999	1.890	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	43133	1.855	ug/l	96
84) n-Butylbenzene	12.203	91	87059	1.958	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	41179	1.906	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2674	1.992	ug/l	89
87) 1,2,4-Trichlorobenzene	13.836	180	25680	1.989	ug/l	98
88) Hexachlorobutadiene	14.016	225	15768	1.903	ug/l	99
89) Naphthalene	14.087	128	38377	1.925	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	20803	1.937	ug/l	99

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

