

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053481.D
 Acq On : 30 Mar 2023 12:15
 Operator : JC/MD
 Sample : VU0330WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0330WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 16:07:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	44408	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15277	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	15643	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	27114	1.689	ug/l	98
3) Chloromethane	1.520	50	26847	1.641	ug/l	96
4) Vinyl Chloride	1.604	62	28863	1.670	ug/l	99
5) Bromomethane	1.858	94	22832	1.521	ug/l	98
6) Chloroethane	1.935	64	18046	1.634	ug/l	98
7) Trichlorofluoromethane	2.138	101	41936	1.621	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	21716	1.693	ug/l	97
9) 1,1-Dichloroethene	2.578	96	19507	1.662	ug/l	95
10) Iodomethane	2.723	142	19851	1.917	ug/l	97
11) Allyl Chloride	2.922	41	22837	1.724	ug/l	89
12) Acrylonitrile	3.327	53	7117	3.123	ug/l	92
13) Acetone	2.646	43	40438	9.046	ug/l	98
14) Carbon Disulfide	2.793	76	57269	1.592	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	20480	1.690	ug/l	92
17) 1,1-Dichloroethane	3.867	63	39659	1.793	ug/l	99
18) 2-Butanone	4.710	43	42297	9.297	ug/l	96
19) Cyclohexane	5.382	56	30803	1.691	ug/l	88
20) Methylcyclohexane	6.761	83	38901	1.709	ug/l	94
21) 2,2-Dichloropropane	4.662	77	33502	1.769	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	23655	1.796	ug/l	96
23) Diethyl Ether	2.375	59	14704	1.579	ug/l	90
24) tert-Butyl Alcohol	3.276	59	14106m	16.665	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	45767	1.760	ug/l	100
26) Bromochloromethane	4.970	128	9307	1.754	ug/l	97
27) Chloroform	5.083	83	38753	1.687	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	34151	1.725	ug/l	96
29) 1,1-Dichloropropene	5.523	75	29966	1.749	ug/l	98
30) Carbon Tetrachloride	5.520	117	26824	1.702	ug/l	99
31) Isopropyl Ether	3.986	45	53339	1.752	ug/l	95
32) Ethyl-t-butyl ether	4.498	59	55337	1.770	ug/l	96
33) Tert-Amyl methyl ether	5.935	73	46809	1.684	ug/l	97
34) Propionitrile	4.806	54	5989m	7.564	ug/l	
35) Benzene	5.768	78	86169	1.719	ug/l	99
36) 1,2-Dichloroethane	5.793	62	23594	1.639	ug/l	# 94
37) Trichloroethene	6.539	130	21266	1.687	ug/l	92
38) 1,2-Dichloropropane	6.787	63	22077	1.719	ug/l	98
39) Methacrylonitrile	4.977	41	5910	1.888	ug/l	# 63
40) Methyl acrylate	4.861	55	9709	1.711	ug/l	# 87
41) Tetrahydrofuran	5.070	42	5697	3.486	ug/l	# 76
42) 1-Chlorobutane	5.456	56	39031	1.713	ug/l	99
43) Dibromomethane	6.915	93	10830	1.770	ug/l	90
44) Bromodichloromethane	7.102	83	25519	1.668	ug/l	# 96
45) 4-Methyl-2-Pentanone	7.787	43	59609	9.392	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.825	75	11324m	3.558	ug/l	
47) Methyl methacrylate	6.960	69	18929	3.365	ug/l	97
48) Ethyl methacrylate	8.330	69	19351	1.774	ug/l	89
49) Toluene	7.964	92	50921	1.658	ug/l	100
50) t-1,3-Dichloropropene	8.205	75	24390	1.721	ug/l	95
51) cis-1,3-Dichloropropene	7.604	75	29853	1.701	ug/l	97
52) 1,1,2-Trichloroethane	8.398	97	14792	1.667	ug/l	95
53) 1,3-Dichloropropane	8.571	76	26283	1.717	ug/l	96
54) 2-Hexanone	8.681	43	62328	9.361	ug/l	97
55) Dibromochloromethane	8.806	129	14335	1.587	ug/l	95
56) 1,2-Dibromoethane	8.919	107	14350	1.756	ug/l	97
58) Tetrachloroethene	8.549	164	19103	1.621	ug/l	93
59) Chlorobenzene	9.443	112	57320	1.695	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.530	131	17428	1.695	ug/l	97
61) Pentachloroethane	11.423	117	11646	1.612	ug/l	97
62) Hexachloroethane	12.472	117	13222	1.744	ug/l #	72
63) Ethyl Benzene	9.565	91	102311	1.725	ug/l	97
64) m/p-Xylenes	9.690	106	75523	3.330	ug/l	99
65) o-Xylene	10.095	106	37691	1.698	ug/l	96
66) Styrene	10.111	104	54717	1.604	ug/l	95
67) Bromoform	10.285	173	6379	1.632	ug/l #	97
69) Isopropylbenzene	10.478	105	96361	1.658	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	18115	1.696	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	14460m	1.793	ug/l	
72) Bromobenzene	10.780	156	20808	1.709	ug/l	92
73) n-propylbenzene	10.902	120	26776	1.744	ug/l	97
74) 2-Chlorotoluene	10.983	126	22400	1.688	ug/l	95
75) 1,3,5-Trimethylbenzene	11.086	105	79818	1.636	ug/l	99
76) 4-Chlorotoluene	11.095	126	22813	1.655	ug/l	99
77) tert-Butylbenzene	11.414	119	75100	1.660	ug/l	96
78) 1,2,4-Trimethylbenzene	11.465	105	81135	1.633	ug/l	99
79) sec-Butylbenzene	11.639	105	109989	1.688	ug/l	98
80) Nitrobenzene	13.208	77	1927	7.182	ug/l #	80
81) p-Isopropyltoluene	11.790	119	84301	1.647	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	44555	1.717	ug/l	96
83) 1,4-Dichlorobenzene	11.835	146	42993	1.638	ug/l	98
84) n-Butylbenzene	12.205	91	86795	1.717	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	40956	1.666	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2457	1.515	ug/l	96
87) 1,2,4-Trichlorobenzene	13.838	180	22748	1.586	ug/l #	94
88) Hexachlorobutadiene	14.015	225	11640	1.697	ug/l	97
89) Naphthalene	14.082	128	47629	1.651	ug/l	97
90) 1,2,3-Trichlorobenzene	14.327	180	22036	1.784	ug/l	98

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

