

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053480.D
 Acq On : 30 Mar 2023 11:48
 Operator : JC/MD
 Sample : VU0330WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0330WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 30 16:06:42 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	41694	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	13626	0.905	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12756	0.844	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	28699	1.904	ug/l	98
3) Chloromethane	1.520	50	29473	1.919	ug/l	100
4) Vinyl Chloride	1.604	62	30950	1.908	ug/l	92
5) Bromomethane	1.858	94	23318	1.687	ug/l	99
6) Chloroethane	1.935	64	18923	1.824	ug/l	98
7) Trichlorofluoromethane	2.138	101	45103	1.856	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	21456	1.782	ug/l	96
9) 1,1-Dichloroethene	2.581	96	20792	1.887	ug/l	91
10) Iodomethane	2.723	142	21283	2.102	ug/l	98
11) Allyl Chloride	2.919	41	25032	2.013	ug/l	90
12) Acrylonitrile	3.324	53	8008	3.743	ug/l	# 91
13) Acetone	2.649	43	38767	9.237	ug/l	98
14) Carbon Disulfide	2.793	76	62134	1.840	ug/l	98
15) Methylene Chloride	3.044	84	30543	0.729	ug/l	88
16) trans-1,2-Dichloroethene	3.350	96	23005	2.021	ug/l	93
17) 1,1-Dichloroethane	3.867	63	41463	1.996	ug/l	96
18) 2-Butanone	4.713	43	38247	8.954	ug/l	99
19) Cyclohexane	5.382	56	35338	2.066	ug/l	90
20) Methylcyclohexane	6.758	83	39792	1.862	ug/l	95
21) 2,2-Dichloropropane	4.658	77	36334	2.043	ug/l	97
22) cis-1,2-Dichloroethene	4.662	96	24542	1.984	ug/l	97
23) Diethyl Ether	2.375	59	15775	1.804	ug/l	# 89
24) tert-Butyl Alcohol	3.244	59	15486m	19.486	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	48419	1.983	ug/l	99
26) Bromochloromethane	4.973	128	9261	1.858	ug/l	87
27) Chloroform	5.083	83	42253	1.960	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	35006	1.883	ug/l	97
29) 1,1-Dichloropropene	5.523	75	31889	1.982	ug/l	98
30) Carbon Tetrachloride	5.523	117	28840	1.949	ug/l	96
31) Isopropyl Ether	3.986	45	56616	1.981	ug/l	98
32) Ethyl-t-butyl ether	4.501	59	58781	2.002	ug/l	98
33) Tert-Amyl methyl ether	5.935	73	51232	1.963	ug/l	98
34) Propionitrile	4.813	54	7922m	10.349	ug/l	
35) Benzene	5.771	78	93631	1.990	ug/l	98
36) 1,2-Dichloroethane	5.790	62	26765	1.980	ug/l	# 85
37) Trichloroethene	6.539	130	23146	1.956	ug/l	99
38) 1,2-Dichloropropane	6.787	63	23994	1.990	ug/l	99
39) Methacrylonitrile	4.977	41	5890	2.004	ug/l	# 93
40) Methyl acrylate	4.858	55	10869m	2.040	ug/l	
41) Tetrahydrofuran	5.073	42	6442	4.198	ug/l	# 79
42) 1-Chlorobutane	5.456	56	42254	1.975	ug/l	96
43) Dibromomethane	6.915	93	11259	1.960	ug/l	91
44) Bromodichloromethane	7.102	83	27735	1.931	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	59890	10.051	ug/l	99
46) t-1,4-Dichloro-2-butene	10.828	75	9937m	3.363	ug/l	
47) Methyl methacrylate	6.960	69	20742	3.927	ug/l	95
48) Ethyl methacrylate	8.330	69	18612	1.817	ug/l	96
49) Toluene	7.967	92	55082	1.910	ug/l	98
50) t-1,3-Dichloropropene	8.205	75	27371	2.057	ug/l	98
51) cis-1,3-Dichloropropene	7.604	75	33292	2.020	ug/l	95
52) 1,1,2-Trichloroethane	8.394	97	15580	1.870	ug/l	95
53) 1,3-Dichloropropane	8.571	76	30076	2.093	ug/l	97
54) 2-Hexanone	8.681	43	56538	9.044	ug/l	95
55) Dibromochloromethane	8.803	129	15828	1.867	ug/l	97
56) 1,2-Dibromoethane	8.922	107	14571	1.899	ug/l	94
58) Tetrachloroethene	8.549	164	20858	1.885	ug/l	96
59) Chlorobenzene	9.443	112	60840	1.916	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.529	131	19188	1.988	ug/l	99
61) Pentachloroethane	11.423	117	12524	1.847	ug/l	97
62) Hexachloroethane	12.471	117	14329	1.956	ug/l #	80
63) Ethyl Benzene	9.565	91	107079	1.923	ug/l	98
64) m/p-Xylenes	9.690	106	81099	3.809	ug/l	100
65) o-Xylene	10.095	106	38729	1.859	ug/l	91
66) Styrene	10.111	104	60248	1.881	ug/l	95
67) Bromoform	10.285	173	7794	2.021	ug/l #	92
69) Isopropylbenzene	10.481	105	104662	1.918	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.777	83	19837	1.978	ug/l	97
71) 1,2,3-Trichloropropane	10.822	75	13835m	1.827	ug/l	
72) Bromobenzene	10.777	156	22174	1.940	ug/l	95
73) n-propylbenzene	10.899	120	28576	1.983	ug/l	96
74) 2-Chlorotoluene	10.983	126	24204	1.942	ug/l	96
75) 1,3,5-Trimethylbenzene	11.082	105	86835	1.895	ug/l	99
76) 4-Chlorotoluene	11.092	126	24137	1.865	ug/l	92
77) tert-Butylbenzene	11.417	119	79855	1.880	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	89324	1.914	ug/l	97
79) sec-Butylbenzene	11.639	105	115429	1.887	ug/l	99
80) Nitrobenzene	13.208	77	2450	9.725	ug/l #	82
81) p-Isopropyltoluene	11.790	119	90849	1.891	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	46668	1.916	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	45985	1.865	ug/l	96
84) n-Butylbenzene	12.205	91	89748	1.891	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	44361	1.922	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.992	75	3202	2.103	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.835	180	25427	1.889	ug/l	97
88) Hexachlorobutadiene	14.015	225	12482	1.938	ug/l	91
89) Naphthalene	14.082	128	50438	1.862	ug/l	98
90) 1,2,3-Trichlorobenzene	14.323	180	23382	2.016	ug/l	97

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

