

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053788.D
 Acq On : 19 Apr 2023 18:12
 Operator : JC/MD
 Sample : 02213-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2023

Quant Time: Apr 21 09:37:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

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

Internal Standards						
1) Fluorobenzene	6.108	96	29139	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10449	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12428	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	7861	0.890	ug/l	95
3) Chloromethane	1.520	50	8142	1.024	ug/l	96
4) Vinyl Chloride	1.604	62	8951	0.973	ug/l	91
5) Bromomethane	1.851	94	6531	0.944	ug/l	90
6) Chloroethane	1.928	64	6105	1.037	ug/l	99
7) Trichlorofluoromethane	2.134	101	14705	0.952	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	9279	0.923	ug/l	90
9) 1,1-Dichloroethene	2.578	96	8164	0.992	ug/l	81
10) Iodomethane	2.719	142	8093	0.903	ug/l	94
11) Allyl Chloride	2.919	41	9425	0.964	ug/l	98
12) Acrylonitrile	3.317	53	3837	1.865	ug/l	96
13) Acetone	2.626	43	10488	3.647	ug/l	98
14) Carbon Disulfide	2.790	76	11760	0.870	ug/l	# 88
15) Methylene Chloride	3.041	84	12329	1.022	ug/l	# 80
16) trans-1,2-Dichloroethene	3.346	96	8258	0.928	ug/l	88
17) 1,1-Dichloroethane	3.861	63	17194	0.936	ug/l	99
18) 2-Butanone	4.716	43	14246	3.822	ug/l	97
19) Cyclohexane	5.372	56	11564m	0.910	ug/l	
20) Methylcyclohexane	6.755	83	9723	0.853	ug/l	97
21) 2,2-Dichloropropane	4.658	77	15122	0.906	ug/l	98
22) cis-1,2-Dichloroethene	4.662	96	10873	0.976	ug/l	89
23) Diethyl Ether	2.375	59	5833	0.961	ug/l	93
24) tert-Butyl Alcohol	3.202	59	7110	8.602	ug/l	# 1
25) Methyl tert-Butyl Ether	3.366	73	22349	0.973	ug/l	99
26) Bromochloromethane	4.967	128	4644	0.943	ug/l	85
27) Chloroform	5.083	83	19089	0.963	ug/l	91
28) 1,1,1-Trichloroethane	5.308	97	14801	0.901	ug/l	95
29) 1,1-Dichloropropene	5.514	75	9764	0.933	ug/l	94
30) Carbon Tetrachloride	5.514	117	11328	0.963	ug/l	91
31) Isopropyl Ether	3.993	45	26237	0.988	ug/l	92
32) Ethyl-t-butyl ether	4.507	59	25639	0.954	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	17831	0.908	ug/l	95
34) Propionitrile	4.780	54	3951	4.740	ug/l	# 5
35) Benzene	5.768	78	29379	0.912	ug/l	98
36) 1,2-Dichloroethane	5.790	62	10124	1.000	ug/l	97
37) Trichloroethene	6.539	130	8347	0.912	ug/l	92
38) 1,2-Dichloropropane	6.787	63	8645	0.943	ug/l	99
39) Methacrylonitrile	4.977	41	3304	0.993	ug/l	# 62
40) Methyl acrylate	4.848	55	5351	0.974	ug/l	# 92
41) Tetrahydrofuran	5.063	42	3598	2.182	ug/l	# 72
42) 1-Chlorobutane	5.452	56	14138	0.990	ug/l	97
43) Dibromomethane	6.915	93	4067	0.874	ug/l	92
44) Bromodichloromethane	7.105	83	10165	0.867	ug/l	# 92

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45) 4-Methyl-2-Pentanone	7.800	43	21804	4.609	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	3262m	1.661	ug/l	
47) Methyl methacrylate	6.967	69	6942	1.699	ug/l	93
48) Ethyl methacrylate	8.337	69	6385	0.797	ug/l	90
49) Toluene	7.967	92	17290	0.852	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	8925	0.847	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	10691	0.850	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	6983	0.946	ug/l #	91
53) 1,3-Dichloropropane	8.575	76	10814	0.936	ug/l	99
54) 2-Hexanone	8.690	43	15769	3.554	ug/l	96
55) Dibromochloromethane	8.806	129	6683	0.861	ug/l	98
56) 1,2-Dibromoethane	8.922	107	5790	0.910	ug/l	92
58) Tetrachloroethene	8.549	164	7585	0.857	ug/l	94
59) Chlorobenzene	9.443	112	21645	0.857	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.529	131	8091	0.888	ug/l	98
61) Pentachloroethane	11.423	117	6403	0.912	ug/l	95
62) Hexachloroethane	12.471	117	5486	0.800	ug/l	97
63) Ethyl Benzene	9.568	91	33864	0.849	ug/l	98
64) m/p-Xylenes	9.690	106	25330	1.612	ug/l	97
65) o-Xylene	10.095	106	12717	0.803	ug/l	98
66) Styrene	10.115	104	20357	0.808	ug/l	99
67) Bromoform	10.288	173	3407	0.845	ug/l #	97
69) Isopropylbenzene	10.481	105	32756	0.791	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.780	83	8284	0.872	ug/l #	92
71) 1,2,3-Trichloropropane	10.822	75	5205m	0.759	ug/l	
72) Bromobenzene	10.780	156	8830	0.831	ug/l	91
73) n-propylbenzene	10.902	120	9249	0.805	ug/l	92
74) 2-Chlorotoluene	10.983	126	8437	0.777	ug/l	99
75) 1,3,5-Trimethylbenzene	11.086	105	27981	0.775	ug/l	97
76) 4-Chlorotoluene	11.095	126	8893	0.803	ug/l	86
77) tert-Butylbenzene	11.417	119	29481	0.811	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	28336	0.769	ug/l	99
79) sec-Butylbenzene	11.639	105	38433	0.787	ug/l	97
80) Nitrobenzene	13.208	77	1437	4.774	ug/l #	68
81) p-Isopropyltoluene	11.790	119	31309	0.782	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	19200	0.845	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	18168	0.802	ug/l	95
84) n-Butylbenzene	12.205	91	28447	0.984	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	18487	0.832	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.989	75	1222	0.913	ug/l	91
87) 1,2,4-Trichlorobenzene	13.838	180	11432	0.779	ug/l	98
88) Hexachlorobutadiene	14.018	225	6431	0.821	ug/l	94
89) Naphthalene	14.086	128	20763	0.807	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	10601	0.760	ug/l	99

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

