

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047133.D
 Acq On : 14 Feb 2022 15:10
 Operator : SY/MD
 Sample : VU0214WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0214WBS01

Quant Time: Feb 15 03:49:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/15/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	66140	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	25256	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	25043	0.939	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	40005	1.814	ug/l	98
3) Chloromethane	1.530	50	42487	1.876	ug/l	99
4) Vinyl Chloride	1.610	62	40838	1.826	ug/l	100
5) Bromomethane	1.864	94	26930	1.844	ug/l	98
6) Chloroethane	1.941	64	24239	1.887	ug/l	98
7) Trichlorofluoromethane	2.147	101	48527	1.841	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	28084	1.849	ug/l	94
9) 1,1-Dichloroethene	2.588	96	28601	1.829	ug/l	100
10) Iodomethane	2.732	142	20761	1.916	ug/l	94
11) Allyl Chloride	2.932	41	45834	1.881	ug/l	90
12) Acrylonitrile	3.324	53	15041	3.278	ug/l	92
13) Acetone	2.639	43	22377	9.936	ug/l	99
14) Carbon Disulfide	2.803	76	98886	1.870	ug/l	100
15) Methylene Chloride	3.054	84	33233	1.893	ug/l	99
16) trans-1,2-Dichloroethene	3.359	96	30906	1.873	ug/l	97
17) 1,1-Dichloroethane	3.877	63	55652	1.841	ug/l	100
18) 2-Butanone	4.719	43	39695	8.587	ug/l	98
19) Cyclohexane	5.391	56	51424m	1.836	ug/l	
20) Methylcyclohexane	6.768	83	54251	1.757	ug/l	96
21) 2,2-Dichloropropane	4.671	77	50620	1.874	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	34904	1.839	ug/l	96
23) Diethyl Ether	2.382	59	22645	1.792	ug/l	95
24) tert-Butyl Alcohol	3.218	59	16090	19.581	ug/l #	86
25) Methyl tert-Butyl Ether	3.372	73	81474	1.858	ug/l	99
26) Bromochloromethane	4.983	128	16362	1.917	ug/l	91
27) Chloroform	5.096	83	58231	1.898	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	49678	1.871	ug/l	98
29) 1,1-Dichloropropene	5.533	75	44518	1.831	ug/l	99
30) Carbon Tetrachloride	5.530	117	42751	1.831	ug/l	100
31) Isopropyl Ether	4.002	45	90661	1.875	ug/l	96
32) Ethyl-t-butyl ether	4.510	59	91026	1.852	ug/l	97
33) Tert-Amyl methyl ether	5.944	73	83466	1.844	ug/l	98
34) Propionitrile	4.793	54	10892	9.560	ug/l #	90
35) Benzene	5.780	78	129974	1.908	ug/l	98
36) 1,2-Dichloroethane	5.800	62	39016	1.892	ug/l	100
37) Trichloroethene	6.546	130	35259	1.869	ug/l	93
38) 1,2-Dichloropropane	6.796	63	33726	1.871	ug/l	99
39) Methacrylonitrile	4.983	41	11289	1.817	ug/l	96
40) Methyl acrylate	4.854	55	17423	1.659	ug/l #	96
41) Tetrahydrofuran	5.070	42	10417	3.291	ug/l	97
42) 1-Chlorobutane	5.465	56	60408	1.851	ug/l	100
43) Dibromomethane	6.922	93	18280	1.880	ug/l	92
44) Bromodichloromethane	7.108	83	43620	1.897	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	121378	9.231	ug/l	98
46) t-1,4-Dichloro-2-butene	10.838	75	19161m	3.347	ug/l	
47) Methyl methacrylate	6.964	69	37271	3.655	ug/l	93
48) Ethyl methacrylate	8.337	69	37156	1.798	ug/l	96
49) Toluene	7.973	92	82181	1.870	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	46009	1.849	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	52011	1.864	ug/l	99
52) 1,1,2-Trichloroethane	8.404	97	26481	1.909	ug/l	98
53) 1,3-Dichloropropane	8.578	76	45716	1.845	ug/l	97
54) 2-Hexanone	8.690	43	85802	8.759	ug/l	100
55) Dibromochloromethane	8.812	129	31387	1.861	ug/l	100
56) 1,2-Dibromoethane	8.928	107	25832	1.843	ug/l	98
58) Tetrachloroethene	8.555	164	32353	1.859	ug/l	96
59) Chlorobenzene	9.449	112	90534	1.848	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	31085	1.846	ug/l	99
61) Pentachloroethane	11.430	117	23317	1.824	ug/l	89
62) Hexachloroethane	12.478	117	23471	1.701	ug/l #	79
63) Ethyl Benzene	9.574	91	159729	1.854	ug/l	99
64) m/p-Xylenes	9.697	106	121938	3.714	ug/l	96
65) o-Xylene	10.102	106	59130	1.859	ug/l	98
66) Styrene	10.118	104	100173	1.856	ug/l	97
67) Bromoform	10.295	173	19491	1.824	ug/l #	97
69) Isopropylbenzene	10.488	105	156535	1.830	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	33835	1.804	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	28239m	1.784	ug/l	
72) Bromobenzene	10.787	156	38247	1.831	ug/l	88
73) n-propylbenzene	10.909	120	41900	1.779	ug/l	89
74) 2-Chlorotoluene	10.989	126	36912	1.839	ug/l	88
75) 1,3,5-Trimethylbenzene	11.089	105	127196	1.813	ug/l	99
76) 4-Chlorotoluene	11.099	126	37706	1.788	ug/l	85
77) tert-Butylbenzene	11.423	119	126471	1.797	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	129546	1.810	ug/l	97
79) sec-Butylbenzene	11.645	105	163706	1.752	ug/l	97
80) Nitrobenzene	13.208	77	7037	7.772	ug/l	99
81) p-Isopropyltoluene	11.796	119	137353	1.737	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	72388	1.780	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	74424	1.817	ug/l	97
84) n-Butylbenzene	12.211	91	129327	1.703	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	70229	1.794	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	5898	1.715	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.841	180	53363	1.736	ug/l	97
88) Hexachlorobutadiene	14.021	225	26695	1.699	ug/l	99
89) Naphthalene	14.089	128	110535	1.756	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	50383	1.828	ug/l	98

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

