

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049651.D
 Acq On : 07 Jul 2022 14:03
 Operator : SY/MD
 Sample : N3214-08 0.5PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2022

Quant Time: Jul 08 07:23:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 08 07:22:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

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

Internal Standards						
1) Fluorobenzene	6.112	96	39925	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14254	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14734	1.094	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6087	0.398	ug/l	93
3) Chloromethane	1.530	50	7249	0.464	ug/l	100
4) Vinyl Chloride	1.604	62	6229	0.437	ug/l	99
5) Bromomethane	1.858	94	3593	0.483	ug/l	88
6) Chloroethane	1.935	64	3596	0.450	ug/l	97
7) Trichlorofluoromethane	2.141	101	7637	0.447	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	3909	0.435	ug/l	97
9) 1,1-Dichloroethene	2.581	96	3807	0.421	ug/l	95
10) Iodomethane	2.723	142	2754	0.240	ug/l	92
11) Allyl Chloride	2.925	41	6997	0.453	ug/l	89
12) Acrylonitrile	3.330	53	2164	0.894	ug/l	96
13) Acetone	2.655	43	5030	2.634	ug/l	91
14) Carbon Disulfide	2.794	76	12505	0.420	ug/l	# 91
15) Methylene Chloride	3.048	84	12680	1.119	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	3959	0.416	ug/l	98
17) 1,1-Dichloroethane	3.867	63	8236	0.419	ug/l	99
18) 2-Butanone	4.739	43	7093	2.179	ug/l	95
19) Cyclohexane	5.379	56	7206m	0.384	ug/l	
20) Methylcyclohexane	6.758	83	6810	0.368	ug/l	98
21) 2,2-Dichloropropane	4.658	77	7443	0.463	ug/l	93
22) cis-1,2-Dichloroethene	4.665	96	4571	0.390	ug/l	96
23) Diethyl Ether	2.379	59	3243	0.421	ug/l	93
24) tert-Butyl Alcohol	3.244	59	4475m	5.086	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	10375	0.410	ug/l	# 87
26) Bromochloromethane	4.970	128	2191	0.444	ug/l	93
27) Chloroform	5.092	83	8406	0.435	ug/l	95
28) 1,1,1-Trichloroethane	5.311	97	6861	0.402	ug/l	96
29) 1,1-Dichloropropene	5.520	75	6087	0.400	ug/l	96
30) Carbon Tetrachloride	5.517	117	6348	0.442	ug/l	98
31) Isopropyl Ether	4.009	45	12916	0.383	ug/l	98
32) Ethyl-t-butyl ether	4.517	59	12876	0.404	ug/l	95
33) Tert-Amyl methyl ether	5.954	73	10840	0.391	ug/l	97
34) Propionitrile	4.803	54	2402	2.573	ug/l	# 86
35) Benzene	5.771	78	18086	0.417	ug/l	99
36) 1,2-Dichloroethane	5.800	62	5595	0.453	ug/l	100
37) Trichloroethene	6.543	130	4364	0.398	ug/l	99
38) 1,2-Dichloropropane	6.797	63	4957	0.431	ug/l	93
39) Methacrylonitrile	4.999	41	2072	0.518	ug/l	# 86
40) Methyl acrylate	4.858	55	3088	0.493	ug/l	# 76
41) Tetrahydrofuran	5.086	42	2293	0.970	ug/l	# 84
42) 1-Chlorobutane	5.456	56	8395	0.393	ug/l	93
43) Dibromomethane	6.922	93	2456	0.429	ug/l	90
44) Bromodichloromethane	7.108	83	5622	0.410	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.806	43	15769	2.029	ug/l	96
46) t-1,4-Dichloro-2-butene	10.832	75	2177m	0.861	ug/l	
47) Methyl methacrylate	6.977	69	4285	0.742	ug/l #	89
48) Ethyl methacrylate	8.343	69	4252	0.367	ug/l	100
49) Toluene	7.967	92	10331	0.390	ug/l	98
50) t-1,3-Dichloropropene	8.215	75	4904	0.370	ug/l	95
51) cis-1,3-Dichloropropene	7.613	75	5997	0.382	ug/l	95
52) 1,1,2-Trichloroethane	8.404	97	3648	0.462	ug/l	97
53) 1,3-Dichloropropane	8.581	76	5683	0.401	ug/l	99
54) 2-Hexanone	8.697	43	10793	1.999	ug/l	97
55) Dibromochloromethane	8.813	129	3752	0.416	ug/l	100
56) 1,2-Dibromoethane	8.928	107	3259	0.426	ug/l	97
58) Tetrachloroethene	8.552	164	3513	0.385	ug/l #	88
59) Chlorobenzene	9.449	112	11047	0.398	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	3694	0.374	ug/l	95
61) Pentachloroethane	11.433	117	3092	0.408	ug/l	91
62) Hexachloroethane	12.478	117	2904	0.383	ug/l	95
63) Ethyl Benzene	9.568	91	18486	0.370	ug/l	99
64) m/p-Xylenes	9.694	106	13323	0.722	ug/l	99
65) o-Xylene	10.102	106	6488	0.357	ug/l	95
66) Styrene	10.115	104	10432	0.358	ug/l	98
67) Bromoform	10.292	173	1857	0.360	ug/l #	81
69) Isopropylbenzene	10.485	105	17744	0.366	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	4244	0.413	ug/l	95
71) 1,2,3-Trichloropropane	10.829	75	3308m	0.389	ug/l	
72) Bromobenzene	10.784	156	4277	0.392	ug/l	96
73) n-propylbenzene	10.906	120	4470	0.365	ug/l	93
74) 2-Chlorotoluene	10.986	126	4045	0.371	ug/l	81
75) 1,3,5-Trimethylbenzene	11.089	105	13449	0.332	ug/l	99
76) 4-Chlorotoluene	11.102	126	4105	0.375	ug/l	93
77) tert-Butylbenzene	11.420	119	14844	0.372	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	14317	0.352	ug/l	95
79) sec-Butylbenzene	11.645	105	18455	0.353	ug/l	100
80) Nitrobenzene	13.221	77	932	2.219	ug/l #	85
81) p-Isopropyltoluene	11.793	119	15210	0.358	ug/l	97
82) 1,3-Dichlorobenzene	11.745	146	8964	0.424	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	9493	0.445	ug/l	97
84) n-Butylbenzene	12.208	91	14811	0.375	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	8442	0.412	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.002	75	644	0.360	ug/l	97
87) 1,2,4-Trichlorobenzene	13.841	180	6327	0.458	ug/l	95
88) Hexachlorobutadiene	14.021	225	3285	0.467	ug/l	93
89) Naphthalene	14.092	128	13663	0.472	ug/l	97
90) 1,2,3-Trichlorobenzene	14.333	180	6034	0.458	ug/l	98

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

