

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051106.D
 Acq On : 04 Oct 2022 13:25
 Operator : JC/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/05/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 02:02:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 01:58:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	69571	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	24747	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	26280	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	308361	11.946	ug/l	99
3) Chloromethane	1.523	50	413619	14.964	ug/l	97
4) Vinyl Chloride	1.604	62	407747	16.053	ug/l	100
5) Bromomethane	1.861	94	240375	17.645	ug/l	98
6) Chloroethane	1.935	64	251102	17.347	ug/l	99
7) Trichlorofluoromethane	2.141	101	450606	14.995	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	257206	16.018	ug/l	96
9) 1,1-Dichloroethene	2.581	96	278633	17.101	ug/l	98
10) Iodomethane	2.723	142	442762	20.493	ug/l	93
11) Allyl Chloride	2.922	41	445607	16.281	ug/l	96
12) Acrylonitrile	3.324	53	167016	37.420	ug/l	94
13) Acetone	2.645	43	253042	75.006	ug/l	95
14) Carbon Disulfide	2.793	76	1008989	18.386	ug/l	100
15) Methylene Chloride	3.044	84	342612	16.370	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	317280	18.380	ug/l	95
17) 1,1-Dichloroethane	3.867	63	561011	16.134	ug/l	100
18) 2-Butanone	4.723	43	379589	67.343	ug/l	100
19) Cyclohexane	5.385	56	434894m	13.520	ug/l	
20) Methylcyclohexane	6.761	83	454544	14.286	ug/l	99
21) 2,2-Dichloropropane	4.665	77	390655	14.150	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	332143	16.121	ug/l	96
23) Diethyl Ether	2.379	59	247507	17.663	ug/l	97
24) tert-Butyl Alcohol	3.253	59	127021m	89.423	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	750843	16.631	ug/l	94
26) Bromochloromethane	4.973	128	147928	16.741	ug/l	95
27) Chloroform	5.089	83	568612	16.490	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	454048	15.248	ug/l	98
29) 1,1-Dichloropropene	5.523	75	401705	15.112	ug/l	99
30) Carbon Tetrachloride	5.523	117	376629	15.062	ug/l	97
31) Isopropyl Ether	3.996	45	819974	14.259	ug/l	94
32) Ethyl-t-butyl ether	4.507	59	741766	13.728	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	685899	14.429	ug/l	98
34) Propionitrile	4.797	54	125597	77.311	ug/l #	90
35) Benzene	5.774	78	1269011	16.509	ug/l	98
36) 1,2-Dichloroethane	5.793	62	368102	16.602	ug/l	100
37) Trichloroethene	6.542	130	304383	15.795	ug/l	100
38) 1,2-Dichloropropane	6.790	63	344315	16.772	ug/l	100
39) Methacrylonitrile	4.980	41	96212	13.992	ug/l	92
40) Methyl acrylate	4.851	55	164863	15.284	ug/l	99
41) Tetrahydrofuran	5.067	42	98727	24.274	ug/l	97
42) 1-Chlorobutane	5.456	56	560583	15.073	ug/l	96
43) Dibromomethane	6.919	93	173453	16.847	ug/l	96
44) Bromodichloromethane	7.105	83	418153	17.093	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	1023935	75.668	ug/l	97
46) t-1,4-Dichloro-2-butene	10.835	75	148638m	33.933	ug/l	
47) Methyl methacrylate	6.964	69	328476	32.331	ug/l	94
48) Ethyl methacrylate	8.333	69	295600	14.870	ug/l	93
49) Toluene	7.967	92	771678	16.538	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	375672	16.252	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	439210	16.131	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	250944	17.578	ug/l	99
53) 1,3-Dichloropropane	8.574	76	429060	16.920	ug/l	99
54) 2-Hexanone	8.687	43	712319	75.478	ug/l	98
55) Dibromochloromethane	8.809	129	276877	17.205	ug/l	99
56) 1,2-Dibromoethane	8.922	107	233519	16.977	ug/l	99
58) Tetrachloroethene	8.552	164	305202	18.320	ug/l	98
59) Chlorobenzene	9.446	112	805889	16.503	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	287669	16.514	ug/l	98
61) Pentachloroethane	11.426	117	198135	15.140	ug/l	89
62) Hexachloroethane	12.475	117	242118	17.896	ug/l	98
63) Ethyl Benzene	9.568	91	1434287	16.502	ug/l	100
64) m/p-Xylenes	9.693	106	1136066	34.743	ug/l	98
65) o-Xylene	10.099	106	541998	16.977	ug/l	98
66) Styrene	10.111	104	928054	17.922	ug/l	98
67) Bromoform	10.288	173	160138	17.331	ug/l	100
69) Isopropylbenzene	10.484	105	1379737	16.377	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	317340	17.028	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	258508m	16.673	ug/l	
72) Bromobenzene	10.780	156	326688	16.878	ug/l	99
73) n-propylbenzene	10.906	120	384660	17.809	ug/l	100
74) 2-Chlorotoluene	10.986	126	340365	17.557	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	1245237	17.401	ug/l	99
76) 4-Chlorotoluene	11.095	126	353759	17.980	ug/l	93
77) tert-Butylbenzene	11.420	119	1110650	15.998	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	1293519	17.851	ug/l	98
79) sec-Butylbenzene	11.642	105	1558705	16.915	ug/l	99
80) Nitrobenzene	13.208	77	78774	100.356	ug/l	95
81) p-Isopropyltoluene	11.793	119	1295056	17.349	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	678197	17.928	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	682305	17.760	ug/l	98
84) n-Butylbenzene	12.208	91	1193654	17.355	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	659956	17.852	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	53471	16.741	ug/l	96
87) 1,2,4-Trichlorobenzene	13.838	180	366252	15.608	ug/l	99
88) Hexachlorobutadiene	14.018	225	223500	17.870	ug/l	99
89) Naphthalene	14.086	128	769498	15.789	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	381324	16.658	ug/l	99

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

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