

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050376.D
 Acq On : 19 Aug 2022 16:13
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVU081922

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Aug 25 20:01:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	39111	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	15995	1.201	ug/l	0.00
Spiked Amount 1.000			Recovery	=	120.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	16474	1.047	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	151586	9.358	ug/l	98
3) Chloromethane	1.523	50	180722	9.172	ug/l	99
4) Vinyl Chloride	1.604	62	168773	10.024	ug/l	100
5) Bromomethane	1.854	94	59037	8.569	ug/l	98
6) Chloroethane	1.932	64	94689	9.298	ug/l	100
7) Trichlorofluoromethane	2.137	101	203431	9.683	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	113606	9.668	ug/l	97
9) 1,1-Dichloroethene	2.578	96	114087	9.905	ug/l	97
10) Iodomethane	2.719	142	68711	7.234	ug/l	100
11) Allyl Chloride	2.922	41	175487	9.884	ug/l	94
12) Acrylonitrile	3.317	53	149706	43.333	ug/l	97
13) Acetone	2.626	43	136950	56.680	ug/l	95
14) Carbon Disulfide	2.790	76	380420	10.662	ug/l	99
15) Methylene Chloride	3.044	84	134843	8.652	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	118195	9.929	ug/l	98
17) 1,1-Dichloroethane	3.867	63	231963	9.355	ug/l	99
18) 2-Butanone	4.726	43	186224	49.003	ug/l	100
19) Cyclohexane	5.375	56	168065m	9.340	ug/l	
20) Methylcyclohexane	6.758	83	174681	12.315	ug/l	99
21) 2,2-Dichloropropane	4.658	77	177514	9.419	ug/l	99
22) cis-1,2-Dichloroethene	4.661	96	132958	9.872	ug/l	98
23) Diethyl Ether	2.378	59	88405	8.934	ug/l	99
24) tert-Butyl Alcohol	3.195	59	52312	41.772	ug/l	100
25) Methyl tert-Butyl Ether	3.372	73	282616	9.236	ug/l	94
26) Bromochloromethane	4.970	128	43541	8.057	ug/l	97
27) Chloroform	5.086	83	216459	9.008	ug/l	97
28) 1,1,1-Trichloroethane	5.311	97	178043	8.684	ug/l	99
29) 1,1-Dichloropropene	5.520	75	153925	9.372	ug/l	99
30) Carbon Tetrachloride	5.513	117	150004	9.139	ug/l	96
31) Isopropyl Ether	4.002	45	353208	9.181	ug/l	# 1
34) Propionitrile	4.790	54	115185	102.612	ug/l	99
35) Benzene	5.771	78	470802	9.751	ug/l	98
36) 1,2-Dichloroethane	5.796	62	136813	9.281	ug/l	99
37) Trichloroethene	6.539	130	112848	9.750	ug/l	98
38) 1,2-Dichloropropane	6.793	63	125952	9.719	ug/l	99
39) Methacrylonitrile	4.986	41	36567	7.939	ug/l	94
40) Methyl acrylate	4.857	55	70632	10.067	ug/l	# 94
41) Tetrahydrofuran	5.073	42	97289	42.185	ug/l	95
42) 1-Chlorobutane	5.452	56	209394	8.953	ug/l	98
43) Dibromomethane	6.919	93	68083	9.746	ug/l	98
44) Bromodichloromethane	7.108	83	158080	9.590	ug/l	97
45) 4-Methyl-2-Pentanone	7.803	43	349527	49.846	ug/l	99
46) t-1,4-Dichloro-2-butene	10.825	75	60290m	14.544	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.973	69	52501	8.625	ug/l	93
48) Ethyl methacrylate	8.340	69	99771	8.509	ug/l	94
49) Toluene	7.970	92	287402	11.080	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	142261	11.083	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	160900	10.950	ug/l	95
52) 1,1,2-Trichloroethane	8.404	97	95381	9.290	ug/l	99
53) 1,3-Dichloropropane	8.578	76	159125	9.842	ug/l	99
54) 2-Hexanone	8.693	43	251987	51.601	ug/l	99
55) Dibromochloromethane	8.812	129	105514	9.342	ug/l	100
56) 1,2-Dibromoethane	8.925	107	90432	9.807	ug/l	99
58) Tetrachloroethene	8.552	164	109153	10.022	ug/l	95
59) Chlorobenzene	9.449	112	289713	10.350	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	106199	9.026	ug/l	98
61) Pentachloroethane	11.430	117	94287	9.630	ug/l	95
62) Hexachloroethane	12.475	117	82370	10.113	ug/l	99
63) Ethyl Benzene	9.571	91	514077	9.129	ug/l	100
64) m/p-Xylenes	9.693	106	426915	19.043	ug/l	98
65) o-Xylene	10.102	106	190790	9.160	ug/l	99
66) Styrene	10.115	104	335236	9.046	ug/l	98
67) Bromoform	10.291	173	60110	9.372	ug/l	97
69) Isopropylbenzene	10.484	105	518440	9.405	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	123514	8.741	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	79467m	7.479	ug/l	
72) Bromobenzene	10.783	156	125582	10.392	ug/l	97
73) n-propylbenzene	10.906	120	136460	8.900	ug/l	99
74) 2-Chlorotoluene	10.986	126	129168	9.262	ug/l	99
75) 1,3,5-Trimethylbenzene	11.089	105	454808	9.233	ug/l	99
76) 4-Chlorotoluene	11.098	126	125361	8.646	ug/l	87
77) tert-Butylbenzene	11.423	119	415134	8.964	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	476335	9.248	ug/l	95
79) sec-Butylbenzene	11.645	105	583753	9.200	ug/l	98
80) Nitrobenzene	13.214	77	7614	9.933	ug/l	99
81) p-Isopropyltoluene	11.796	119	472480	9.126	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	270798	10.882	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	268759	10.864	ug/l	98
84) n-Butylbenzene	12.211	91	432622	9.130	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	257055	10.508	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.995	75	20087	9.009	ug/l	96
87) 1,2,4-Trichlorobenzene	13.841	180	172549	12.363	ug/l	98
88) Hexachlorobutadiene	14.021	225	92983	10.236	ug/l	98
89) Naphthalene	14.089	128	372371	9.855	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	169115	9.409	ug/l	99

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

Manual Integrations

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