

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053777.D
 Acq On : 19 Apr 2023 11:51
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Quant Time: Apr 20 08:08:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:05:37 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	31237	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12376	1.087	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	14733	1.241	ug/l	0.00
Spiked Amount 1.000			Recovery	=	124.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	48927	4.489	ug/l	100
3) Chloromethane	1.520	50	41996	3.836	ug/l	99
4) Vinyl Chloride	1.604	62	48636	4.165	ug/l	100
5) Bromomethane	1.851	94	34125	3.463	ug/l	99
6) Chloroethane	1.928	64	31379	4.154	ug/l	98
7) Trichlorofluoromethane	2.134	101	82674	4.619	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	54519	5.813	ug/l	94
9) 1,1-Dichloroethene	2.578	96	43141	5.168	ug/l	88
10) Iodomethane	2.719	142	49531	5.802	ug/l	94
11) Allyl Chloride	2.919	41	51292	5.486	ug/l	100
12) Acrylonitrile	3.311	53	22188	13.127	ug/l	99
13) Acetone	2.626	43	69108	21.379	ug/l	94
14) Carbon Disulfide	2.790	76	70285	3.019	ug/l	100
15) Methylene Chloride	3.041	84	57470	2.928	ug/l	87
16) trans-1,2-Dichloroethene	3.346	96	46785	5.421	ug/l	88
17) 1,1-Dichloroethane	3.864	63	98763	6.157	ug/l	99
18) 2-Butanone	4.713	43	95057	28.308	ug/l	97
19) Cyclohexane	5.375	56	69140m	5.488	ug/l	
20) Methylcyclohexane	6.755	83	61216	4.020	ug/l	92
21) 2,2-Dichloropropane	4.658	77	88754	6.389	ug/l	98
22) cis-1,2-Dichloroethene	4.661	96	59186	6.205	ug/l	96
23) Diethyl Ether	2.375	59	32063	4.895	ug/l	93
24) tert-Butyl Alcohol	3.205	59	41630	63.746	ug/l #	1
25) Methyl tert-Butyl Ether	3.362	73	124339	6.497	ug/l	94
26) Bromochloromethane	4.967	128	25502	6.467	ug/l	92
27) Chloroform	5.083	83	107532	6.394	ug/l	99
28) 1,1,1-Trichloroethane	5.308	97	88835	6.172	ug/l	98
29) 1,1-Dichloropropene	5.517	75	55829	4.754	ug/l	98
30) Carbon Tetrachloride	5.513	117	64322	5.775	ug/l	98
31) Isopropyl Ether	3.996	45	140636	6.322	ug/l	91
32) Ethyl-t-butyl ether	4.507	59	143010	6.257	ug/l	93
33) Tert-Amyl methyl ether	5.944	73	105847	5.399	ug/l	97
34) Propionitrile	4.784	54	22035	39.085	ug/l #	16
35) Benzene	5.767	78	172700	4.965	ug/l	99
36) 1,2-Dichloroethane	5.793	62	52776	5.191	ug/l	98
37) Trichloroethene	6.536	130	49876	5.591	ug/l	97
38) 1,2-Dichloropropane	6.787	63	51403	5.662	ug/l	99
39) Methacrylonitrile	4.976	41	16096	6.885	ug/l	91
40) Methyl acrylate	4.848	55	28216	6.612	ug/l #	95
41) Tetrahydrofuran	5.067	42	15832	13.258	ug/l	92
42) 1-Chlorobutane	5.449	56	76711	4.878	ug/l	97
43) Dibromomethane	6.915	93	25562	5.873	ug/l	99
44) Bromodichloromethane	7.102	83	62294	5.714	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	126064	27.713	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	23014m	9.359	ug/l	
47) Methyl methacrylate	6.964	69	43987	10.973	ug/l	93
48) Ethyl methacrylate	8.333	69	42673	5.509	ug/l	90
49) Toluene	7.967	92	111736	5.205	ug/l	96
50) t-1,3-Dichloropropene	8.208	75	58169	5.780	ug/l	100
51) cis-1,3-Dichloropropene	7.603	75	68534	5.539	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	40374	6.262	ug/l	96
53) 1,3-Dichloropropane	8.571	76	63456	5.812	ug/l	98
54) 2-Hexanone	8.687	43	112946	23.571	ug/l	96
55) Dibromochloromethane	8.806	129	41996	6.356	ug/l	99
56) 1,2-Dibromoethane	8.922	107	35161	5.960	ug/l	98
58) Tetrachloroethene	8.549	164	48715	5.823	ug/l	96
59) Chlorobenzene	9.443	112	135638	5.615	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.529	131	50562	6.675	ug/l	97
61) Pentachloroethane	11.423	117	36888	6.717	ug/l	93
62) Hexachloroethane	12.471	117	36603	6.095	ug/l	100
63) Ethyl Benzene	9.568	91	220082	5.272	ug/l	97
64) m/p-Xylenes	9.690	106	177066	11.032	ug/l	94
65) o-Xylene	10.095	106	88330	5.589	ug/l	96
66) Styrene	10.111	104	142655	5.841	ug/l	100
67) Bromoform	10.288	173	22491	7.069	ug/l	99
69) Isopropylbenzene	10.481	105	229789	5.556	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	49786	6.333	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	38103m	6.380	ug/l	
72) Bromobenzene	10.780	156	57548	6.397	ug/l	90
73) n-propylbenzene	10.902	120	64957	5.858	ug/l	91
74) 2-Chlorotoluene	10.983	126	60188	6.223	ug/l	87
75) 1,3,5-Trimethylbenzene	11.082	105	202875	5.784	ug/l	97
76) 4-Chlorotoluene	11.095	126	63826	6.300	ug/l	85
77) tert-Butylbenzene	11.417	119	199552	6.030	ug/l	97
78) 1,2,4-Trimethylbenzene	11.462	105	210050	5.843	ug/l	99
79) sec-Butylbenzene	11.639	105	271503	5.774	ug/l	96
80) Nitrobenzene	13.201	77	7958	37.898	ug/l	95
81) p-Isopropyltoluene	11.790	119	226631	6.066	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	124954	6.498	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	120969	6.190	ug/l	98
84) n-Butylbenzene	12.204	91	206531	5.679	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	120714	6.535	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.992	75	7413	6.178	ug/l	85
87) 1,2,4-Trichlorobenzene	13.835	180	75254	6.846	ug/l	99
88) Hexachlorobutadiene	14.018	225	40524	7.419	ug/l	99
89) Naphthalene	14.082	128	130548	5.983	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	70241	7.192	ug/l	98

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

