

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
 Data File : VU053830.D
 Acq On : 21 Apr 2023 17:31
 Operator : JC/MD
 Sample : 02213-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: Apr 22 03:20:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

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

Internal Standards						
1) Fluorobenzene	6.112	96	30106	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11629	0.985	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12759	0.909	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2904	0.318	ug/l	97
3) Chloromethane	1.517	50	2567	0.312	ug/l	100
4) Vinyl Chloride	1.604	62	2948	0.310	ug/l	# 78
5) Bromomethane	1.858	94	2669	0.373	ug/l	97
6) Chloroethane	1.935	64	2620	0.431	ug/l	98
7) Trichlorofluoromethane	2.138	101	5180	0.325	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	3258	0.314	ug/l	93
9) 1,1-Dichloroethene	2.581	96	2357	0.277	ug/l	93
10) Iodomethane	2.719	142	2413	0.260	ug/l	96
11) Allyl Chloride	2.919	41	2812	0.278	ug/l	96
12) Acrylonitrile	3.346	53	779	0.367	ug/l	# 84
13) Acetone	2.649	43	3105	1.045	ug/l	92
14) Carbon Disulfide	2.790	76	4104	0.294	ug/l	97
15) Methylene Chloride	3.047	84	5685	0.456	ug/l	91
16) trans-1,2-Dichloroethene	3.350	96	2556	0.278	ug/l	# 76
17) 1,1-Dichloroethane	3.871	63	5434	0.286	ug/l	97
18) 2-Butanone	4.735	43	3042	0.790	ug/l	73
19) Cyclohexane	5.388	56	3354	0.256	ug/l	90
20) Methylcyclohexane	6.761	83	3818	0.324	ug/l	96
21) 2,2-Dichloropropane	4.665	77	5030	0.292	ug/l	# 74
22) cis-1,2-Dichloroethene	4.668	96	3258	0.283	ug/l	92
23) Diethyl Ether	2.375	59	1978	0.315	ug/l	# 87
24) tert-Butyl Alcohol	3.179	59	3129m	3.664	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	6642	0.280	ug/l	95
26) Bromochloromethane	4.977	128	1290	0.253	ug/l	87
27) Chloroform	5.083	83	5809	0.284	ug/l	98
28) 1,1,1-Trichloroethane	5.317	97	5201	0.306	ug/l	96
29) 1,1-Dichloropropene	5.526	75	3410	0.316	ug/l	98
30) Carbon Tetrachloride	5.523	117	4291	0.353	ug/l	# 96
31) Isopropyl Ether	3.986	45	7801	0.284	ug/l	89
32) Ethyl-t-butyl ether	4.498	59	7684	0.277	ug/l	92
33) Tert-Amyl methyl ether	5.941	73	6682	0.329	ug/l	# 84
35) Benzene	5.774	78	11577	0.348	ug/l	98
36) 1,2-Dichloroethane	5.797	62	3563	0.341	ug/l	# 93
37) Trichloroethene	6.542	130	3261	0.345	ug/l	88
38) 1,2-Dichloropropane	6.787	63	3486	0.368	ug/l	96
39) Methacrylonitrile	4.993	41	502	0.146	ug/l	# 88
41) Tetrahydrofuran	5.096	42	563m	0.331	ug/l	
42) 1-Chlorobutane	5.459	56	4688	0.318	ug/l	94
43) Dibromomethane	6.912	93	1447	0.301	ug/l	94
44) Bromodichloromethane	7.105	83	4013	0.331	ug/l	85
45) 4-Methyl-2-Pentanone	7.796	43	7449	1.524	ug/l	97
46) t-1,4-Dichloro-2-butene	10.832	75	1264m	0.623	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
 Data File : VU053830.D
 Acq On : 21 Apr 2023 17:31
 Operator : JC/MD
 Sample : 02213-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: Apr 22 03:20:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.970	69	2233	0.529	ug/l	95
48) Ethyl methacrylate	8.340	69	2017	0.244	ug/l	99
49) Toluene	7.964	92	6901	0.329	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	3401	0.312	ug/l	89
51) cis-1,3-Dichloropropene	7.604	75	4279	0.329	ug/l #	90
52) 1,1,2-Trichloroethane	8.398	97	2580	0.338	ug/l #	83
53) 1,3-Dichloropropane	8.575	76	3867	0.324	ug/l	91
54) 2-Hexanone	8.690	43	5326	1.162	ug/l	93
55) Dibromochloromethane	8.806	129	2453	0.306	ug/l	97
56) 1,2-Dibromoethane	8.919	107	2022	0.307	ug/l	94
58) Tetrachloroethene	8.549	164	3023	0.331	ug/l #	90
59) Chlorobenzene	9.446	112	8791	0.337	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.529	131	2913	0.310	ug/l	97
61) Pentachloroethane	11.427	117	2418	0.333	ug/l	86
62) Hexachloroethane	12.475	117	2059	0.291	ug/l	85
63) Ethyl Benzene	9.568	91	13074	0.317	ug/l	100
64) m/p-Xylenes	9.690	106	9952	0.613	ug/l	96
65) o-Xylene	10.095	106	5105	0.312	ug/l	96
66) Styrene	10.115	104	7657	0.294	ug/l	99
67) Bromoform	10.285	173	1291	0.310	ug/l #	90
69) Isopropylbenzene	10.481	105	12823	0.300	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.774	83	2957	0.301	ug/l #	95
71) 1,2,3-Trichloropropane	10.822	75	1599m	0.226	ug/l	
72) Bromobenzene	10.783	156	3649	0.332	ug/l	90
73) n-propylbenzene	10.902	120	3651	0.308	ug/l	99
74) 2-Chlorotoluene	10.983	126	3075	0.274	ug/l	95
75) 1,3,5-Trimethylbenzene	11.082	105	10300	0.276	ug/l	96
76) 4-Chlorotoluene	11.102	126	3042	0.266	ug/l	86
77) tert-Butylbenzene	11.417	119	10577	0.282	ug/l	95
78) 1,2,4-Trimethylbenzene	11.462	105	10171	0.267	ug/l	98
79) sec-Butylbenzene	11.639	105	13770	0.273	ug/l	95
80) Nitrobenzene	13.224	77	313	1.006	ug/l #	40
81) p-Isopropyltoluene	11.790	119	10875	0.263	ug/l	97
82) 1,3-Dichlorobenzene	11.745	146	7591	0.324	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	7591	0.325	ug/l	99
84) n-Butylbenzene	12.205	91	11080	0.523	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	7067	0.308	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.989	75	318	0.230	ug/l	86
87) 1,2,4-Trichlorobenzene	13.841	180	4870	0.321	ug/l	96
88) Hexachlorobutadiene	14.018	225	2424	0.300	ug/l	96
89) Naphthalene	14.089	128	8503	0.320	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.330	180	4934	0.342	ug/l	93

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
 Data File : VU053830.D
 Acq On : 21 Apr 2023 17:31
 Operator : JC/MD
 Sample : 02213-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

Quant Time: Apr 22 03:20:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

