

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
 Data File : VU054871.D
 Acq On : 25 Jul 2023 16:40
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
 Supervised By :Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 26 09:26:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 08:39:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27301	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8584	1.037	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9644	1.031	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	80250	15.437	ug/l	99
3) Chloromethane	1.518	50	86233	14.766	ug/l	99
4) Vinyl Chloride	1.599	62	121041	15.519	ug/l	97
5) Bromomethane	1.853	94	97747	15.797	ug/l	99
6) Chloroethane	1.930	64	137209	17.021	ug/l	97
7) Trichlorofluoromethane	2.132	101	279568	15.258	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	89397	15.055	ug/l	99
9) 1,1-Dichloroethene	2.573	96	70632	14.985	ug/l	97
10) Iodomethane	2.714	142	112111	15.236	ug/l	99
11) Allyl Chloride	2.917	41	83334	14.794	ug/l	100
12) Acrylonitrile	3.319	53	37742	31.863	ug/l #	89
14) Carbon Disulfide	2.788	76	117115	14.342	ug/l	99
15) Methylene Chloride	3.039	84	91974	15.318	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	79422	15.478	ug/l	92
17) 1,1-Dichloroethane	3.862	63	169820	14.798	ug/l	98
18) 2-Butanone	4.708	43	111488	68.814	ug/l	95
19) Cyclohexane	5.383	56	96811	14.992	ug/l	91
20) Methylcyclohexane	6.759	83	135960	15.745	ug/l	98
21) 2,2-Dichloropropane	4.660	77	161602	15.191	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	105860	15.524	ug/l	98
23) Diethyl Ether	2.374	59	105490	15.170	ug/l	100
24) tert-Butyl Alcohol	3.235	59	81443m	125.754	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	224771	15.411	ug/l	96
26) Bromochloromethane	4.968	128	42622	15.240	ug/l	98
27) Chloroform	5.084	83	190840	15.484	ug/l	97
28) 1,1,1-Trichloroethane	5.312	97	162231	15.241	ug/l	99
29) 1,1-Dichloropropene	5.521	75	118846	15.135	ug/l	99
30) Carbon Tetrachloride	5.521	117	136156	15.324	ug/l	97
31) Isopropyl Ether	3.988	45	261903	15.461	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	268703	15.406	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	253508	15.373	ug/l	99
34) Propionitrile	4.792	54	40534	90.746	ug/l #	95
35) Benzene	5.769	78	373554	15.192	ug/l	98
36) 1,2-Dichloroethane	5.792	62	109098	15.596	ug/l	98
37) Trichloroethene	6.537	130	101687	15.376	ug/l	97
38) 1,2-Dichloropropane	6.788	63	106435	15.312	ug/l	98
39) Methacrylonitrile	4.972	41	26350	15.191	ug/l	97
40) Methyl acrylate	4.843	55	41623	15.121	ug/l #	92
41) Tetrahydrofuran	5.065	42	28691	28.749	ug/l	98
42) 1-Chlorobutane	5.454	56	153404	14.920	ug/l	100
43) Dibromomethane	6.917	93	51305	15.714	ug/l	100
44) Bromodichloromethane	7.103	83	144338	15.867	ug/l #	99
45) 4-Methyl-2-Pentanone	7.788	43	301614	79.172	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
 Data File : VU054871.D
 Acq On : 25 Jul 2023 16:40
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
 Supervised By :Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 26 09:26:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 08:39:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.830	75	56782m	36.489	ug/l	
47) Methyl methacrylate	6.959	69	100048	33.518	ug/l	98
48) Ethyl methacrylate	8.332	69	99835	16.536	ug/l	98
49) Toluene	7.965	92	247917	15.827	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	132063	16.352	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	158474	15.964	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	77982	15.066	ug/l	94
53) 1,3-Dichloropropane	8.573	76	132408	15.814	ug/l	99
54) 2-Hexanone	8.682	43	210241	77.665	ug/l	99
55) Dibromochloromethane	8.807	129	95188	16.051	ug/l	99
56) 1,2-Dibromoethane	8.920	107	70932	16.171	ug/l	99
58) Tetrachloroethene	8.550	164	81149	14.057	ug/l	97
59) Chlorobenzene	9.444	112	294923	15.515	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	107717	16.050	ug/l	97
61) Pentachloroethane	11.425	117	96329	18.373	ug/l	98
62) Hexachloroethane	12.473	117	93471	17.336	ug/l	96
63) Ethyl Benzene	9.566	91	512460	16.066	ug/l	99
64) m/p-Xylenes	9.692	106	388909	32.589	ug/l	98
65) o-Xylene	10.097	106	197997	16.153	ug/l	96
66) Styrene	10.110	104	324171	16.541	ug/l	99
67) Bromoform	10.287	173	54079	17.585	ug/l	99
69) Isopropylbenzene	10.479	105	530759	16.129	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	103966	16.228	ug/l	98
71) 1,2,3-Trichloropropane	10.827	75	69389m	15.088	ug/l	
72) Bromobenzene	10.778	156	122777	16.757	ug/l	99
73) n-propylbenzene	10.904	120	147013	16.693	ug/l	96
74) 2-Chlorotoluene	10.984	126	124422	16.320	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	448534	16.831	ug/l	99
76) 4-Chlorotoluene	11.094	126	132740	16.758	ug/l	99
77) tert-Butylbenzene	11.418	119	464128	16.747	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	458574	16.809	ug/l	99
79) sec-Butylbenzene	11.640	105	608534	16.891	ug/l	100
80) Nitrobenzene	13.206	77	15586	92.603	ug/l #	99
81) p-Isopropyltoluene	11.791	119	505776	17.788	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	250986	16.091	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	255140	16.409	ug/l	99
84) n-Butylbenzene	12.206	91	493196	19.311	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	241118	16.126	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	14473	16.992	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	162266	17.015	ug/l	98
88) Hexachlorobutadiene	14.016	225	87797	17.262	ug/l	98
89) Naphthalene	14.084	128	262579	17.781	ug/l	100
90) 1,2,3-Trichlorobenzene	14.325	180	143027	16.904	ug/l	98

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

