

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055801.D
 Acq On : 18 Oct 2023 16:19
 Operator : MD/SY
 Sample : VU1018WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 03:42:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 03:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	90721	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	35634	0.996	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	34821	1.050	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	63125	1.792	ug/l	99
3) Chloromethane	1.518	50	56699	1.883	ug/l	99
4) Vinyl Chloride	1.602	62	56133	1.819	ug/l	97
5) Bromomethane	1.856	94	35298	2.078	ug/l	97
6) Chloroethane	1.930	64	27905	1.867	ug/l	# 88
7) Trichlorofluoromethane	2.136	101	74047	1.820	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	49045	1.808	ug/l	96
9) 1,1-Dichloroethene	2.579	96	45995	1.818	ug/l	92
10) Iodomethane	2.721	142	64704	1.716	ug/l	99
11) Allyl Chloride	2.920	41	60947	1.853	ug/l	96
12) Acrylonitrile	3.325	53	18603	3.913	ug/l	96
13) Acetone	2.637	43	77966	7.686	ug/l	99
14) Carbon Disulfide	2.792	76	151162	1.830	ug/l	100
15) Methylene Chloride	3.042	84	65682	2.201	ug/l	94
16) trans-1,2-Dichloroethene	3.351	96	49979	1.864	ug/l	92
17) 1,1-Dichloroethane	3.865	63	92389	1.852	ug/l	98
18) 2-Butanone	4.714	43	82741	7.571	ug/l	96
19) Cyclohexane	5.383	56	77376m	1.819	ug/l	
20) Methylcyclohexane	6.759	83	79155	1.791	ug/l	100
21) 2,2-Dichloropropane	4.663	77	76928	1.832	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	52437	1.834	ug/l	96
23) Diethyl Ether	2.374	59	27395	1.811	ug/l	94
24) tert-Butyl Alcohol	3.209	59	31597m	20.366	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	102745	1.887	ug/l	98
26) Bromochloromethane	4.971	128	23409	1.932	ug/l	93
27) Chloroform	5.084	83	95749	1.871	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	85134	1.856	ug/l	97
29) 1,1-Dichloropropene	5.525	75	67269	1.851	ug/l	98
30) Carbon Tetrachloride	5.521	117	73860	1.844	ug/l	99
31) Isopropyl Ether	3.988	45	126992	1.895	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	122336	1.891	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	101414	1.830	ug/l	96
34) Propionitrile	4.791	54	17955	10.385	ug/l	# 7
35) Benzene	5.772	78	209885	1.907	ug/l	99
36) 1,2-Dichloroethane	5.791	62	55245	1.848	ug/l	99
37) Trichloroethene	6.541	130	54556	1.905	ug/l	100
38) 1,2-Dichloropropane	6.788	63	54416	1.893	ug/l	97
39) Methacrylonitrile	4.978	41	11857	1.839	ug/l	93
40) Methyl acrylate	4.856	55	18122	1.850	ug/l	# 93
41) Tetrahydrofuran	5.062	42	13230	3.622	ug/l	91
42) 1-Chlorobutane	5.454	56	90985	1.878	ug/l	98
43) Dibromomethane	6.917	93	26015	1.904	ug/l	97
44) Bromodichloromethane	7.103	83	69747	1.932	ug/l	99

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45) 4-Methyl-2-Pentanone	7.788	43	126315	8.941	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	19496m	3.469	ug/l	
47) Methyl methacrylate	6.962	69	44356	3.936	ug/l	94
48) Ethyl methacrylate	8.331	69	40843	2.005	ug/l	95
49) Toluene	7.968	92	123711	1.899	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	58412	1.828	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	71936	1.840	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	36897	1.891	ug/l	96
53) 1,3-Dichloropropane	8.573	76	63859	1.915	ug/l	100
54) 2-Hexanone	8.685	43	123423	7.798	ug/l	99
55) Dibromochloromethane	8.807	129	42308	1.796	ug/l	99
56) 1,2-Dibromoethane	8.920	107	35304	1.980	ug/l	97
58) Tetrachloroethene	8.550	164	57328	1.925	ug/l	93
59) Chlorobenzene	9.444	112	136236	1.894	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	46992	1.833	ug/l	99
61) Pentachloroethane	11.421	117	31450	1.812	ug/l	91
62) Hexachloroethane	12.473	117	33524	1.964	ug/l	100
63) Ethyl Benzene	9.566	91	227282	1.862	ug/l	100
64) m/p-Xylenes	9.692	106	177552	3.783	ug/l	99
65) o-Xylene	10.097	106	88113	1.913	ug/l	99
66) Styrene	10.113	104	134290	1.865	ug/l	96
67) Bromoform	10.286	173	23537	1.861	ug/l	99
69) Isopropylbenzene	10.479	105	222102	1.873	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	43468	1.905	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	34467m	1.822	ug/l	
72) Bromobenzene	10.782	156	53824	1.903	ug/l	98
73) n-propylbenzene	10.904	120	56172	1.885	ug/l	96
74) 2-Chlorotoluene	10.984	126	53357	1.877	ug/l	93
75) 1,3,5-Trimethylbenzene	11.084	105	192266	1.933	ug/l	98
76) 4-Chlorotoluene	11.097	126	54950	1.897	ug/l	93
77) tert-Butylbenzene	11.418	119	173211	1.939	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	185414	1.887	ug/l	100
79) sec-Butylbenzene	11.640	105	211354	1.880	ug/l	99
80) Nitrobenzene	13.212	77	5217m	9.213	ug/l	
81) p-Isopropyltoluene	11.791	119	166573	1.859	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	112944	1.956	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	108820	1.947	ug/l	97
84) n-Butylbenzene	12.206	91	148819	1.925	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	102209	1.937	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	6061	1.861	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	55929	1.978	ug/l	98
88) Hexachlorobutadiene	14.016	225	36567	1.836	ug/l	99
89) Naphthalene	14.087	128	85023	2.118	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	48472	2.000	ug/l	95

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

