

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059159.D
 Acq On : 05 Jun 2024 19:38
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

Quant Time: Jun 06 03:48:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 03:28:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	45415	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15525	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16693	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	136605	9.602	ug/l	99
3) Chloromethane	1.515	50	161684	9.440	ug/l	99
4) Vinyl Chloride	1.599	62	166526	9.620	ug/l	98
5) Bromomethane	1.853	94	93065	8.848	ug/l	97
6) Chloroethane	1.930	64	104623	9.396	ug/l	98
7) Trichlorofluoromethane	2.132	101	190581	8.874	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	106642	9.659	ug/l	98
9) 1,1-Dichloroethene	2.573	96	104171	9.523	ug/l	97
10) Iodomethane	2.714	142	156976	11.438	ug/l	99
11) Allyl Chloride	2.917	41	144516	9.775	ug/l	99
12) Acrylonitrile	3.312	53	57373	23.215	ug/l	99
13) Acetone	2.634	43	96868	25.758	ug/l	99
14) Carbon Disulfide	2.785	76	329182	9.442	ug/l	99
15) Methylene Chloride	3.036	84	145399	9.696	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	118428	9.922	ug/l	96
17) 1,1-Dichloroethane	3.859	63	244561	9.784	ug/l	99
18) 2-Butanone	4.701	43	162678	38.998	ug/l	98
19) Cyclohexane	5.380	56	190293m	10.520	ug/l	
20) Methylcyclohexane	6.756	83	193474	10.644	ug/l	99
21) 2,2-Dichloropropane	4.656	77	161853	8.755	ug/l	98
22) cis-1,2-Dichloroethene	4.656	96	134159	10.343	ug/l	98
23) Diethyl Ether	2.370	59	100247	9.773	ug/l	99
24) tert-Butyl Alcohol	3.206	59	68335	97.343	ug/l	# 91
25) Methyl tert-Butyl Ether	3.354	73	285855	10.899	ug/l	100
26) Bromochloromethane	4.965	128	56566	10.326	ug/l	98
27) Chloroform	5.078	83	241574	9.615	ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	196391	9.913	ug/l	99
29) 1,1-Dichloropropene	5.518	75	174311	10.501	ug/l	100
30) Carbon Tetrachloride	5.518	117	160137	9.857	ug/l	98
31) Isopropyl Ether	3.981	45	344816	10.519	ug/l	99
32) Ethyl-t-butyl ether	4.492	59	331092	10.857	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	300997	11.180	ug/l	100
34) Propionitrile	4.779	54	52681	55.129	ug/l	# 96
35) Benzene	5.766	78	529174	10.136	ug/l	99
36) 1,2-Dichloroethane	5.785	62	158177	10.216	ug/l	99
37) Trichloroethene	6.534	130	123320	9.890	ug/l	99
38) 1,2-Dichloropropane	6.782	63	149259	10.067	ug/l	98
39) Methacrylonitrile	4.965	41	40306	11.311	ug/l	96
40) Methyl acrylate	4.840	55	70441	11.286	ug/l	99
41) Tetrahydrofuran	5.052	42	42887	22.501	ug/l	99
42) 1-Chlorobutane	5.451	56	241190	10.513	ug/l	99
43) Dibromomethane	6.910	93	69944	10.420	ug/l	99
44) Bromodichloromethane	7.097	83	176464	10.146	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	424642	59.007	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	70119m	22.961	ug/l	
47) Methyl methacrylate	6.955	69	139340	24.172	ug/l	99
48) Ethyl methacrylate	8.328	69	122418	12.021	ug/l	99
49) Toluene	7.962	92	310540	10.800	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	159786	10.737	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	189253	10.381	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	101670	10.250	ug/l	96
53) 1,3-Dichloropropane	8.569	76	181608	10.627	ug/l	100
54) 2-Hexanone	8.679	43	291155	43.697	ug/l	98
55) Dibromochloromethane	8.801	129	111676	10.403	ug/l	99
56) 1,2-Dibromoethane	8.917	107	91471	10.515	ug/l	98
58) Tetrachloroethene	8.547	164	113526	9.877	ug/l	99
59) Chlorobenzene	9.441	112	323915	10.296	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	111752	9.918	ug/l	98
61) Pentachloroethane	11.421	117	84658	9.685	ug/l	99
62) Hexachloroethane	12.470	117	93016	10.468	ug/l	97
63) Ethyl Benzene	9.566	91	590444	11.118	ug/l	99
64) m/p-Xylenes	9.688	106	453865	22.656	ug/l	100
65) o-Xylene	10.094	106	215696	10.919	ug/l	99
66) Styrene	10.110	104	366628	9.650	ug/l	99
67) Bromoform	10.283	173	62404	10.737	ug/l	98
69) Isopropylbenzene	10.479	105	563078	11.125	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	135336	10.853	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	108307m	11.380	ug/l	
72) Bromobenzene	10.775	156	129897	10.706	ug/l	98
73) n-propylbenzene	10.901	120	154693	9.543	ug/l	100
74) 2-Chlorotoluene	10.981	126	132956	10.750	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	492360	9.503	ug/l	99
76) 4-Chlorotoluene	11.090	126	140213	10.844	ug/l	100
77) tert-Butylbenzene	11.415	119	445519	10.966	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	504771	9.497	ug/l	99
79) sec-Butylbenzene	11.637	105	634565	9.430	ug/l	99
80) Nitrobenzene	13.206	77	17674	50.930	ug/l	99
81) p-Isopropyltoluene	11.788	119	510760	9.460	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	264451	10.285	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	264332	10.281	ug/l	99
84) n-Butylbenzene	12.203	91	483209	9.336	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	257725	10.620	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.990	75	20321	11.975	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	146829	11.303	ug/l	98
88) Hexachlorobutadiene	14.016	225	84260	10.391	ug/l	99
89) Naphthalene	14.080	128	243268	11.799	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	140179	11.869	ug/l	100

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

