

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090324\
 Data File : VU060583.D
 Acq On : 03 Sep 2024 13:17
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/06/2024
 Supervised By :Semsettin Yesilyurt 09/06/2024

Quant Time: Sep 04 05:37:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	37710	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15761	1.227	ug/l	0.00
Spiked Amount 1.000			Recovery	=	123.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14856	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	150732	10.392	ug/l	99
3) Chloromethane	1.515	50	158349	9.549	ug/l	99
4) Vinyl Chloride	1.602	62	160113	9.658	ug/l	98
5) Bromomethane	1.856	94	92636	9.094	ug/l	95
6) Chloroethane	1.930	64	91554	9.124	ug/l	100
7) Trichlorofluoromethane	2.133	101	220286	11.013	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	104059	9.561	ug/l	97
9) 1,1-Dichloroethene	2.573	96	104568	9.275	ug/l	98
10) Iodomethane	2.718	142	141782	8.483	ug/l	93
11) Allyl Chloride	2.917	41	144874	9.373	ug/l	97
12) Acrylonitrile	3.325	53	51267	17.404	ug/l	98
13) Acetone	2.647	43	181627	50.764	ug/l	93
14) Carbon Disulfide	2.788	76	336402	8.800	ug/l	99
15) Methylene Chloride	3.039	84	123237	8.732	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	114363	9.467	ug/l	98
17) 1,1-Dichloroethane	3.859	63	224616	9.671	ug/l	99
18) 2-Butanone	4.711	43	214870	51.987	ug/l	97
19) Cyclohexane	5.380	56	185762m	9.279	ug/l	
20) Methylcyclohexane	6.756	83	192868	12.139	ug/l	98
21) 2,2-Dichloropropane	4.653	77	178789	9.885	ug/l	99
22) cis-1,2-Dichloroethene	4.657	96	125612	9.707	ug/l	97
23) Diethyl Ether	2.374	59	83047	9.064	ug/l	97
24) tert-Butyl Alcohol	3.341	59	83138m	72.644	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	250858	9.064	ug/l	99
26) Bromochloromethane	4.965	128	55270	10.087	ug/l	99
27) Chloroform	5.078	83	230237	10.131	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	199513	10.569	ug/l	98
29) 1,1-Dichloropropene	5.518	75	167009	11.041	ug/l	98
30) Carbon Tetrachloride	5.518	117	177117	11.513	ug/l	99
31) Isopropyl Ether	3.985	45	314925	9.276	ug/l	96
32) Ethyl-t-butyl ether	4.493	59	294266	8.968	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	261528	11.228	ug/l	99
34) Propionitrile	4.798	54	52544m	44.479	ug/l	
35) Benzene	5.766	78	489064	10.492	ug/l	100
36) 1,2-Dichloroethane	5.785	62	145407	11.226	ug/l	97
37) Trichloroethene	6.534	130	124441	10.785	ug/l	99
38) 1,2-Dichloropropane	6.782	63	135956	10.783	ug/l	99
39) Methacrylonitrile	4.972	41	34352	8.035	ug/l	98
40) Methyl acrylate	4.843	55	64385	8.600	ug/l	# 95
41) Tetrahydrofuran	5.058	42	39833	17.110	ug/l	95
42) 1-Chlorobutane	5.451	56	231204	11.086	ug/l	98
43) Dibromomethane	6.910	93	62956	9.870	ug/l	99
44) Bromodichloromethane	7.097	83	167764	10.955	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	364357	60.836	ug/l	96
46) t-1,4-Dichloro-2-butene	10.827	75	65280m	19.451	ug/l	
47) Methyl methacrylate	6.955	69	118818	22.957	ug/l	94
48) Ethyl methacrylate	8.325	69	107503	12.233	ug/l	94
49) Toluene	7.962	92	300683	11.634	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	153043	12.105	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	179383	11.794	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	90928	9.711	ug/l	98
53) 1,3-Dichloropropane	8.566	76	160830	10.765	ug/l	100
54) 2-Hexanone	8.679	43	316210	68.121	ug/l	97
55) Dibromochloromethane	8.801	129	111591	10.865	ug/l	98
56) 1,2-Dibromoethane	8.917	107	82669	9.846	ug/l	99
58) Tetrachloroethene	8.547	164	119317	11.570	ug/l	99
59) Chlorobenzene	9.441	112	325343	11.627	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	119654	10.853	ug/l	99
61) Pentachloroethane	11.418	117	92050	9.776	ug/l	97
62) Hexachloroethane	12.470	117	100342	11.024	ug/l	99
63) Ethyl Benzene	9.563	91	571049	10.554	ug/l	98
64) m/p-Xylenes	9.685	106	454578	20.954	ug/l	100
65) o-Xylene	10.094	106	216499	10.569	ug/l	99
66) Styrene	10.106	104	360543	10.262	ug/l	99
67) Bromoform	10.283	173	62598	10.407	ug/l	99
69) Isopropylbenzene	10.476	105	565610	10.688	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	118574	9.517	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	89127m	9.658	ug/l	
72) Bromobenzene	10.775	156	134597	11.714	ug/l	98
73) n-propylbenzene	10.897	120	159021	10.475	ug/l	99
74) 2-Chlorotoluene	10.978	126	137832	10.295	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	509832	10.793	ug/l	98
76) 4-Chlorotoluene	11.090	126	147466	10.485	ug/l	98
77) tert-Butylbenzene	11.412	119	466668	10.474	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	520393	10.575	ug/l	99
79) sec-Butylbenzene	11.637	105	632662	10.362	ug/l	100
80) Nitrobenzene	13.206	77	19780m	36.152	ug/l	
81) p-Isopropyltoluene	11.785	119	535062	10.528	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	277433	11.573	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	279632	11.750	ug/l	99
84) n-Butylbenzene	12.200	91	503569	10.278	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	260588	11.238	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	17953	9.938	ug/l	94
87) 1,2,4-Trichlorobenzene	13.833	180	149554	11.277	ug/l	99
88) Hexachlorobutadiene	14.013	225	98560	11.494	ug/l	98
89) Naphthalene	14.081	128	222321	9.475	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	134381	10.379	ug/l	98

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

