

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060333.D
 Acq On : 07 Aug 2024 13:39
 Operator : MD/SY
 Sample : VU0807WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0807WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

Quant Time: Aug 08 05:56:12 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	6.113	96	33213	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	11929	1.054	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13460	1.095	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	23825	1.865	ug/l	97
3) Chloromethane	1.518	50	25740	1.762	ug/l	97
4) Vinyl Chloride	1.602	62	26825	1.837	ug/l	99
5) Bromomethane	1.856	94	18867	2.103	ug/l	95
6) Chloroethane	1.930	64	17689	2.002	ug/l	96
7) Trichlorofluoromethane	2.136	101	34171	1.940	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	19310	2.015	ug/l	93
9) 1,1-Dichloroethene	2.576	96	18934	1.907	ug/l	94
10) Iodomethane	2.718	142	29329	1.992	ug/l	96
11) Allyl Chloride	2.917	41	21702	1.594	ug/l	97
12) Acrylonitrile	3.338	53	8079m	3.114	ug/l	
13) Acetone	2.653	43	31679m	10.053	ug/l	
14) Carbon Disulfide	2.789	76	63382	1.883	ug/l	99
15) Methylene Chloride	3.039	84	24756	1.992	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	20903	1.965	ug/l	92
17) 1,1-Dichloroethane	3.862	63	37630	1.840	ug/l #	94
18) 2-Butanone	4.727	43	34513m	9.481	ug/l	
19) Cyclohexane	5.383	56	27306m	1.549	ug/l	
20) Methylcyclohexane	6.756	83	27524	1.967	ug/l	98
21) 2,2-Dichloropropane	4.657	77	29043	1.823	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	22079	1.937	ug/l	92
23) Diethyl Ether	2.374	59	15656	1.940	ug/l	97
24) tert-Butyl Alcohol	3.268	59	23579m	23.392	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	39457	1.619	ug/l	96
26) Bromochloromethane	4.968	128	9991	2.070	ug/l	89
27) Chloroform	5.081	83	40848	2.041	ug/l	93
28) 1,1,1-Trichloroethane	5.309	97	32453	1.952	ug/l	98
29) 1,1-Dichloropropene	5.522	75	26062	1.956	ug/l	100
30) Carbon Tetrachloride	5.518	117	28263	2.086	ug/l	97
31) Isopropyl Ether	3.988	45	45171	1.511	ug/l	93
32) Ethyl-t-butyl ether	4.493	59	43372	1.501	ug/l	96
33) Tert-Amyl methyl ether	5.933	73	39989	1.949	ug/l	99
34) Propionitrile	4.827	54	8656m	8.319	ug/l	
35) Benzene	5.766	78	83673	2.038	ug/l	100
36) 1,2-Dichloroethane	5.792	62	21966	1.925	ug/l	98
37) Trichloroethene	6.538	130	22531	2.217	ug/l	90
38) 1,2-Dichloropropane	6.785	63	22754	2.049	ug/l	96
39) Methacrylonitrile	4.985	41	4624m	1.228	ug/l	
40) Methyl acrylate	4.866	55	8125m	1.232	ug/l	
41) Tetrahydrofuran	5.071	42	5100	2.487	ug/l	91
42) 1-Chlorobutane	5.451	56	33791	1.840	ug/l	94
43) Dibromomethane	6.914	93	10930	1.946	ug/l	96
44) Bromodichloromethane	7.097	83	27676	2.052	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	48089	9.116	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	10954m	3.706	ug/l	
47) Methyl methacrylate	6.962	69	17391	3.815	ug/l	97
48) Ethyl methacrylate	8.332	69	15554	2.010	ug/l	96
49) Toluene	7.965	92	48038	2.110	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	23292	2.092	ug/l	95
51) cis-1,3-Dichloropropene	7.602	75	28434	2.123	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	16150	1.958	ug/l	99
53) 1,3-Dichloropropane	8.570	76	26328	2.001	ug/l	99
54) 2-Hexanone	8.682	43	42389	10.368	ug/l	99
55) Dibromochloromethane	8.804	129	18870	2.086	ug/l	99
56) 1,2-Dibromoethane	8.920	107	14932	2.019	ug/l	99
58) Tetrachloroethene	8.547	164	19988	2.201	ug/l	98
59) Chlorobenzene	9.444	112	55141	2.237	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	19777	2.037	ug/l	97
61) Pentachloroethane	11.418	117	16803	2.026	ug/l	97
62) Hexachloroethane	12.467	117	16164	2.016	ug/l	99
63) Ethyl Benzene	9.566	91	82139	2.141	ug/l	99
64) m/p-Xylenes	9.689	106	65615	4.185	ug/l	95
65) o-Xylene	10.094	106	32328	2.160	ug/l	97
66) Styrene	10.110	104	51728	2.066	ug/l	99
67) Bromoform	10.283	173	10938	2.065	ug/l	95
69) Isopropylbenzene	10.480	105	81921	2.154	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	21415	1.952	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	16308m	2.006	ug/l	
72) Bromobenzene	10.779	156	23295	2.302	ug/l	98
73) n-propylbenzene	10.901	120	23105	2.136	ug/l	98
74) 2-Chlorotoluene	10.981	126	22288	2.148	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	70488	2.080	ug/l	100
76) 4-Chlorotoluene	11.094	126	23767	2.194	ug/l	92
77) tert-Butylbenzene	11.412	119	69261	2.135	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	72202	2.084	ug/l	99
79) sec-Butylbenzene	11.637	105	95440	2.150	ug/l	99
80) Nitrobenzene	13.216	77	3316	6.881	ug/l #	84
81) p-Isopropyltoluene	11.788	119	75734	2.128	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	49627	2.350	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	47729	2.277	ug/l	98
84) n-Butylbenzene	12.203	91	74118	2.142	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	45317	2.219	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	2690	1.691	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	25700	2.200	ug/l	97
88) Hexachlorobutadiene	14.013	225	17276	2.287	ug/l	99
89) Naphthalene	14.084	128	36105	1.747	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	22902	2.008	ug/l	97

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

