

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090324\
 Data File : VU060586.D
 Acq On : 03 Sep 2024 15:40
 Operator : MD/SY
 Sample : VU0903WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 04 05:43:50 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	6.107	96	32195	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	11452	1.044	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	12357	1.037	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	24980	2.017	ug/l	100
3) Chloromethane	1.515	50	26709	1.886	ug/l	98
4) Vinyl Chloride	1.599	62	26805	1.894	ug/l	100
5) Bromomethane	1.856	94	15651	1.800	ug/l	95
6) Chloroethane	1.930	64	16150	1.885	ug/l	98
7) Trichlorofluoromethane	2.132	101	37840	2.216	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	18252	1.964	ug/l	98
9) 1,1-Dichloroethene	2.573	96	17903	1.860	ug/l	97
10) Iodomethane	2.718	142	21324	1.494	ug/l	90
11) Allyl Chloride	2.917	41	23736	1.799	ug/l	93
12) Acrylonitrile	3.335	53	8668m	3.447	ug/l	
13) Acetone	2.653	43	33817m	11.071	ug/l	
14) Carbon Disulfide	2.788	76	55973	1.715	ug/l	99
15) Methylene Chloride	3.039	84	24125	2.002	ug/l	92
16) trans-1,2-Dichloroethene	3.348	96	19140	1.856	ug/l	98
17) 1,1-Dichloroethane	3.859	63	37904	1.912	ug/l	99
18) 2-Butanone	4.730	43	34556m	9.793	ug/l	
19) Cyclohexane	5.380	56	26614m	1.557	ug/l	
20) Methylcyclohexane	6.756	83	24844	1.832	ug/l	94
21) 2,2-Dichloropropane	4.657	77	28946	1.874	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	20146	1.823	ug/l	97
23) Diethyl Ether	2.374	59	14233	1.820	ug/l	92
24) tert-Butyl Alcohol	3.255	59	13159m	13.468	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	38803	1.642	ug/l	100
26) Bromochloromethane	4.965	128	9022	1.929	ug/l	97
27) Chloroform	5.081	83	38119	1.965	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	33917	2.104	ug/l	96
29) 1,1-Dichloropropene	5.521	75	25321	1.961	ug/l	98
30) Carbon Tetrachloride	5.518	117	28922	2.202	ug/l	95
31) Isopropyl Ether	3.985	45	45771	1.579	ug/l	88
32) Ethyl-t-butyl ether	4.493	59	41952	1.497	ug/l	95
33) Tert-Amyl methyl ether	5.933	73	36897	1.855	ug/l	99
34) Propionitrile	4.811	54	8165m	8.096	ug/l	
35) Benzene	5.769	78	78952	1.984	ug/l	98
36) 1,2-Dichloroethane	5.788	62	23724	2.145	ug/l	96
37) Trichloroethene	6.537	130	20275	2.058	ug/l	96
38) 1,2-Dichloropropane	6.782	63	21537	2.001	ug/l	95
39) Methacrylonitrile	4.984	41	3900	1.068	ug/l	# 86
40) Methyl acrylate	4.869	55	9232m	1.444	ug/l	
41) Tetrahydrofuran	5.065	42	5730m	2.883	ug/l	
42) 1-Chlorobutane	5.451	56	32487	1.825	ug/l	88
43) Dibromomethane	6.914	93	10611	1.949	ug/l	96
44) Bromodichloromethane	7.097	83	27294	2.088	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	50592	9.894	ug/l	94
46) t-1,4-Dichloro-2-butene	10.827	75	10252m	3.578	ug/l	
47) Methyl methacrylate	6.959	69	14885	3.369	ug/l #	85
48) Ethyl methacrylate	8.328	69	14438	1.924	ug/l	97
49) Toluene	7.962	92	43320	1.963	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	22599	2.094	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	27260	2.099	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	14613	1.828	ug/l	95
53) 1,3-Dichloropropane	8.570	76	25009	1.961	ug/l	99
54) 2-Hexanone	8.685	43	43843	11.063	ug/l	93
55) Dibromochloromethane	8.804	129	17019	1.941	ug/l	99
56) 1,2-Dibromoethane	8.917	107	13521	1.886	ug/l	98
58) Tetrachloroethene	8.547	164	19311	2.193	ug/l	95
59) Chlorobenzene	9.441	112	48079	2.012	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	19554	2.077	ug/l	92
61) Pentachloroethane	11.418	117	14751	1.835	ug/l	98
62) Hexachloroethane	12.466	117	14944	1.923	ug/l	97
63) Ethyl Benzene	9.563	91	74113	2.027	ug/l	96
64) m/p-Xylenes	9.685	106	59293	3.962	ug/l	94
65) o-Xylene	10.094	106	28708	2.016	ug/l	99
66) Styrene	10.110	104	45843	1.929	ug/l	98
67) Bromoform	10.283	173	10155	1.977	ug/l	98
69) Isopropylbenzene	10.476	105	73062	2.020	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	18275	1.718	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	15502m	1.968	ug/l	
72) Bromobenzene	10.778	156	20080	2.047	ug/l	99
73) n-propylbenzene	10.901	120	20750	2.015	ug/l	92
74) 2-Chlorotoluene	10.981	126	19661	1.983	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	62912	1.951	ug/l	100
76) 4-Chlorotoluene	11.094	126	20492	1.989	ug/l	98
77) tert-Butylbenzene	11.412	119	61474	1.993	ug/l	97
78) 1,2,4-Trimethylbenzene	11.460	105	61535	1.892	ug/l	97
79) sec-Butylbenzene	11.637	105	82498	1.966	ug/l	99
80) Nitrobenzene	13.225	77	2095m	4.485	ug/l	
81) p-Isopropyltoluene	11.788	119	66913	1.986	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	41464	2.026	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	41830	2.059	ug/l	99
84) n-Butylbenzene	12.203	91	63992	1.964	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	39028	1.971	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2628	1.704	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	19697	1.740	ug/l	99
88) Hexachlorobutadiene	14.013	225	15159	2.071	ug/l	97
89) Naphthalene	14.084	128	25767	1.286	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	16572	1.499	ug/l	94

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

