

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059151.D
 Acq On : 05 Jun 2024 14:24
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 02:40:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 02:35:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	42579	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13240	0.914	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14127	0.932	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	12065	0.904	ug/l	94
3) Chloromethane	1.515	50	15134	0.942	ug/l	97
4) Vinyl Chloride	1.599	62	15170	0.935	ug/l	99
5) Bromomethane	1.853	94	10089	1.023	ug/l	98
6) Chloroethane	1.930	64	8822	0.845	ug/l	98
7) Trichlorofluoromethane	2.133	101	17008	0.845	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	9328	0.901	ug/l	96
9) 1,1-Dichloroethene	2.576	96	9086	0.886	ug/l	97
10) Iodomethane	2.718	142	10082	0.784	ug/l	97
11) Allyl Chloride	2.917	41	12396	0.894	ug/l	98
12) Acrylonitrile	3.335	53	4457m	1.924	ug/l	
13) Acetone	2.641	43	12635m	3.565	ug/l	
14) Carbon Disulfide	2.789	76	29443	0.901	ug/l	99
15) Methylene Chloride	3.039	84	13809	0.982	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	9797	0.875	ug/l	97
17) 1,1-Dichloroethane	3.862	63	21105	0.901	ug/l	97
18) 2-Butanone	4.727	43	14949m	3.820	ug/l	
19) Cyclohexane	5.383	56	13906m	0.820	ug/l	
20) Methylcyclohexane	6.756	83	14310	0.840	ug/l	97
21) 2,2-Dichloropropane	4.657	77	15327	0.884	ug/l	94
22) cis-1,2-Dichloroethene	4.660	96	11104	0.913	ug/l	96
23) Diethyl Ether	2.371	59	8231	0.856	ug/l	96
24) tert-Butyl Alcohol	3.216	59	5826m	9.063	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	21609	0.879	ug/l	98
26) Bromochloromethane	4.969	128	4600	0.896	ug/l	98
27) Chloroform	5.084	83	21333	0.906	ug/l	91
28) 1,1,1-Trichloroethane	5.313	97	16216	0.873	ug/l	97
29) 1,1-Dichloropropene	5.525	75	13874	0.891	ug/l	97
30) Carbon Tetrachloride	5.518	117	13621	0.894	ug/l	92
31) Isopropyl Ether	3.985	45	26519	0.863	ug/l	93
32) Ethyl-t-butyl ether	4.489	59	24319	0.851	ug/l	96
33) Tert-Amyl methyl ether	5.933	73	21003	0.832	ug/l	99
34) Propionitrile	4.824	54	3932m	4.430	ug/l	
35) Benzene	5.772	78	43500	0.889	ug/l	100
36) 1,2-Dichloroethane	5.792	62	13140	0.905	ug/l	99
37) Trichloroethene	6.538	130	10422	0.892	ug/l	99
38) 1,2-Dichloropropane	6.785	63	12825	0.923	ug/l	100
39) Methacrylonitrile	4.988	41	2885	0.864	ug/l #	83
40) Methyl acrylate	4.872	55	5763m	0.986	ug/l	
41) Tetrahydrofuran	5.078	42	3241	1.801	ug/l #	70
42) 1-Chlorobutane	5.454	56	18100	0.841	ug/l	92
43) Dibromomethane	6.917	93	5292	0.841	ug/l	91
44) Bromodichloromethane	7.100	83	14111	0.865	ug/l #	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	28055	4.158	ug/l	94
46) t-1,4-Dichloro-2-butene	10.830	75	4758m	1.641	ug/l	
47) Methyl methacrylate	6.962	69	8519	1.576	ug/l	95
48) Ethyl methacrylate	8.332	69	7445	0.780	ug/l	100
49) Toluene	7.968	92	22173	0.823	ug/l	94
50) t-1,3-Dichloropropene	8.210	75	11887	0.852	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	14167	0.829	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	7931	0.853	ug/l	94
53) 1,3-Dichloropropane	8.570	76	14097	0.880	ug/l	96
54) 2-Hexanone	8.689	43	18718	4.930	ug/l	95
55) Dibromochloromethane	8.808	129	8733	0.868	ug/l	99
56) 1,2-Dibromoethane	8.920	107	7353	0.902	ug/l	93
58) Tetrachloroethene	8.547	164	10062	0.934	ug/l	96
59) Chlorobenzene	9.444	112	25173	0.853	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	8881	0.841	ug/l	97
61) Pentachloroethane	11.422	117	6918	0.844	ug/l	99
62) Hexachloroethane	12.470	117	6536	0.785	ug/l	95
63) Ethyl Benzene	9.566	91	39620	0.793	ug/l	99
64) m/p-Xylenes	9.692	106	29231	1.556	ug/l	99
65) o-Xylene	10.097	106	14773	0.798	ug/l	99
66) Styrene	10.113	104	22186	0.995	ug/l	97
67) Bromoform	10.290	173	4630	0.850	ug/l	95
69) Isopropylbenzene	10.480	105	37118	0.782	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	10692	0.915	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	7383m	0.849	ug/l	
72) Bromobenzene	10.779	156	9926	0.873	ug/l	78
73) n-propylbenzene	10.904	120	9704	0.986	ug/l	89
74) 2-Chlorotoluene	10.984	126	9669	0.834	ug/l	92
75) 1,3,5-Trimethylbenzene	11.084	105	30210	0.996	ug/l	99
76) 4-Chlorotoluene	11.094	126	9558	0.788	ug/l	98
77) tert-Butylbenzene	11.415	119	30291	0.795	ug/l	100
78) 1,2,4-Trimethylbenzene	11.467	105	30222	0.997	ug/l	98
79) sec-Butylbenzene	11.640	105	40186	0.977	ug/l	96
80) Nitrobenzene	13.232	77	797m	5.184	ug/l	
81) p-Isopropyltoluene	11.788	119	29040	0.991	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	20906	0.867	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	20104	0.834	ug/l	96
84) n-Butylbenzene	12.206	91	27364	1.007	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	19321	0.849	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	13.000	75	1274	0.801	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.840	180	10286	0.845	ug/l	97
88) Hexachlorobutadiene	14.016	225	6136	0.807	ug/l	89
89) Naphthalene	14.087	128	20447	1.063	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	9521	0.860	ug/l	97

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

