Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053152.D
Acq On : 27 Feb 2023 14:13
Operator : JC/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU022723

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 03:40:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 03:35:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	27853	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11459	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	10077	1.081	ug/l	0.00
Spiked Amount 1.000			Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	61384	8.683	ug/l	100
3) Chloromethane	1.521	50	71920	9.873	ug/l	98
4) Vinyl Chloride	1.605	62	83461	10.761	ug/l	99
5) Bromomethane	1.859	94	52141	11.810	ug/l	97
6) Chloroethane	1.936	64	52874	11.222	ug/l	98
7) Trichlorofluoromethane	2.142	101	113999	10.210	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	70658	10.122	ug/l	99
9) 1,1-Dichloroethene	2.582	96	68354	11.273	ug/l	99
10) Iodomethane	2.724	142	76170	12.213	ug/l	99
11) Allyl Chloride	2.923	41	98672	10.424	ug/l	99
12) Acrylonitrile	3.315	53	75315	48.513	ug/l	96
13) Acetone	2.637	43	94680m	42.662	ug/l	
14) Carbon Disulfide	2.794	76	197677	14.211	ug/l	100
15) Methylene Chloride	3.045	84	84686	9.772	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	76319	11.451	ug/l	96
17) 1,1-Dichloroethane	3.865	63	147363	10.105	ug/l	99
18) 2-Butanone	4.714	43	108510	40.725	ug/l	97
19) Cyclohexane	5.383	56	125347m	10.763	ug/l	
20) Methylcyclohexane	6.759	83	136665	12.227	ug/l	98
21) 2,2-Dichloropropane	4.662	77	128805	10.082	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	88190	10.722	ug/l	96
23) Diethyl Ether	2.376	59	49482	9.974	ug/l	98
24) tert-Butyl Alcohol	3.232	59	24421	41.905	ug/l #	71
25) Methyl tert-Butyl Ether	3.363	73	182123	10.331	ug/l	97
26) Bromochloromethane	4.971	128	30360	9.545	ug/l	90
27) Chloroform	5.087	83	146084	9.723	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	124131	9.836	ug/l	98
29) 1,1-Dichloropropene	5.521	75	104637	11.062	ug/l	99
30) Carbon Tetrachloride	5.518	117	94487	10.873	ug/l	99
31) Isopropyl Ether	3.994	45	220870	9.495	ug/l #	1
34) Propionitrile	4.788	54	59060	95.284	ug/l	98
35) Benzene	5.768	78	301673	10.809	ug/l	100
36) 1,2-Dichloroethane	5.791	62	82910	9.938	ug/l	99
37) Trichloroethene	6.540	130	72835	11.373	ug/l	94
38) 1,2-Dichloropropane	6.788	63	81673	10.119	ug/l	98
39) Methacrylonitrile	4.974	41	24611m	9.308	ug/l	
40) Methyl acrylate	4.849	55	42521	10.404	ug/l	98
41) Tetrahydrofuran	5.064	42	58268	44.946	ug/l	96
42) 1-Chlorobutane	5.453	56	142680	10.837	ug/l	99
43) Dibromomethane	6.916	93	39374	11.006	ug/l	98
44) Bromodichloromethane	7.103	83	102779	10.502	ug/l	98
45) 4-Methyl-2-Pentanone	7.794	43	213544	48.890	ug/l	97
46) t-1,4-Dichloro-2-butene	10.820	75	40746m	18.512	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.961	69	38505	10.457	ug/l	97
48) Ethyl methacrylate	8.334	69	80398	10.640	ug/l	97
49) Toluene	7.964	92	194957	11.343	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	104921	11.036	ug/l	100
51) cis-1,3-Dichloropropene	7.604	75	126119	10.947	ug/l	96
52) 1,1,2-Trichloroethane	8.399	97	55715	10.603	ug/l	98
53) 1,3-Dichloropropane	8.572	76	99550	10.567	ug/l	100
54) 2-Hexanone	8.685	43	170016	45.685	ug/l	98
55) Dibromochloromethane	8.807	129	62656	10.451	ug/l	100
56) 1,2-Dibromoethane	8.919	107	52147	11.170	ug/l	99
58) Tetrachloroethene	8.550	164	59784	11.707	ug/l	97
59) Chlorobenzene	9.443	112	203513	10.589	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	67787	10.677	ug/l	99
61) Pentachloroethane	11.424	117	60137	10.902	ug/l	97
62) Hexachloroethane	12.472	117	65051	10.696	ug/l	97
63) Ethyl Benzene	9.566	91	396387	11.175	ug/l	99
64) m/p-Xylenes	9.691	106	300792	23.380	ug/l	96
65) o-Xylene	10.096	106	146162	11.125	ug/l	96
66) Styrene	10.112	104	242827	11.659	ug/l	98
67) Bromoform	10.289	173	31993	10.973	ug/l	100
69) Isopropylbenzene	10.482	105	390211	11.089	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	72116	10.184	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	57201m	9.385	ug/l	
72) Bromobenzene	10.778	156	78142	11.444	ug/l	94
73) n-propylbenzene	10.903	120	105723	11.324	ug/l	99
74) 2-Chlorotoluene	10.984	126	87728	11.349	ug/l	95
75) 1,3,5-Trimethylbenzene	11.083	105	333514	11.390	ug/l	99
76) 4-Chlorotoluene	11.093	126	89849	11.057	ug/l	94
77) tert-Butylbenzene	11.418	119	315404	10.992	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	333463	11.174	ug/l	99
79) sec-Butylbenzene	11.640	105	449511	11.289	ug/l	99
80) Nitrobenzene	13.209	77	3879m	10.480	ug/l	
81) p-Isopropyltoluene	11.791	119	359687	11.403	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	169280	11.292	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	168858	11.033	ug/l	99
84) n-Butylbenzene	12.205	91	369983	11.322	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	154312	10.796	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.993	75	12120	9.042	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	103686	11.820	ug/l	99
88) Hexachlorobutadiene	14.019	225	48680	11.362	ug/l	99
89) Naphthalene	14.083	128	215042	11.523	ug/l	99
90) 1,2,3-Trichlorobenzene	14.324	180	89581	11.606	ug/l	99

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

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