Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
Data File : VU055793.D
Acq On : 18 Oct 2023 10:01
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 02:13:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 19 02:09:44 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	87706	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	33293	0.962	ug/l	0.00
Spiked Amount 1.000			Recovery = 96.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	31170	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	30794	0.904	ug/l	98
3) Chloromethane	1.515	50	27330	0.939	ug/l	99
4) Vinyl Chloride	1.602	62	26544	0.890	ug/l	96
5) Bromomethane	1.856	94	15067	0.918	ug/l	99
6) Chloroethane	1.930	64	13535	0.937	ug/l	99
7) Trichlorofluoromethane	2.136	101	34924	0.888	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	24179	0.922	ug/l	97
9) 1,1-Dichloroethene	2.576	96	22829	0.933	ug/l	89
10) Iodomethane	2.718	142	31191	0.850	ug/l	95
11) Allyl Chloride	2.920	41	28474	0.895	ug/l	98
12) Acrylonitrile	3.332	53	7523	1.637	ug/l #	87
13) Acetone	2.641	43	46467	4.738	ug/l	97
14) Carbon Disulfide	2.789	76	72789	0.912	ug/l	100
15) Methylene Chloride	3.043	84	26364	0.914	ug/l	91
16) trans-1,2-Dichloroethene	3.351	96	23290	0.898	ug/l	93
17) 1,1-Dichloroethane	3.869	63	43726	0.907	ug/l	99
18) 2-Butanone	4.721	43	43672	4.133	ug/l	98
19) Cyclohexane	5.383	56	34576m	0.948	ug/l	
20) Methylcyclohexane	6.759	83	35072	0.821	ug/l	98
21) 2,2-Dichloropropane	4.657	77	37203	0.916	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	24248	0.877	ug/l	98
23) Diethyl Ether	2.374	59	12268	0.839	ug/l	94
24) tert-Butyl Alcohol	3.232	59	12657m	8.712	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	44846	0.852	ug/l	99
26) Bromochloromethane	4.975	128	10375	0.886	ug/l	96
27) Chloroform	5.084	83	44942	0.908	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	40138	0.905	ug/l	98
29) 1,1-Dichloropropene	5.525	75	30316	0.863	ug/l	99
30) Carbon Tetrachloride	5.522	117	35129	0.907	ug/l	98
31) Isopropyl Ether	3.988	45	55606	0.858	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	51845	0.829	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	45878	0.856	ug/l	97
34) Propionitrile	4.795	54	6681m	4.110	ug/l	
35) Benzene	5.772	78	94632	0.889	ug/l	98
36) 1,2-Dichloroethane	5.795	62	25645	0.888	ug/l #	89
37) Trichloroethene	6.541	130	24377	0.881	ug/l	94
38) 1,2-Dichloropropane	6.788	63	24694	0.889	ug/l	96
39) Methacrylonitrile	4.985	41	5106	0.840	ug/l #	86
40) Methyl acrylate	4.869	55	6705	0.668	ug/l #	73
41) Tetrahydrofuran	5.075	42	6221	1.783	ug/l #	87
42) 1-Chlorobutane	5.457	56	39097	0.835	ug/l	92
43) Dibromomethane	6.917	93	11895	0.901	ug/l	100
44) Bromodichloromethane	7.103	83	31307	0.897	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	57018	4.175	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	9334m	1.985	ug/l	
47) Methyl methacrylate	6.962	69	17689	1.624	ug/l	96
48) Ethyl methacrylate	8.335	69	15143	0.732	ug/l	98
49) Toluene	7.968	92	52872	0.840	ug/l	99
50) t-1,3-Dichloropropene	8.210	75	25961	0.841	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	32507	0.860	ug/l	90
52) 1,1,2-Trichloroethane	8.399	97	16616	0.881	ug/l	95
53) 1,3-Dichloropropane	8.573	76	28671	0.889	ug/l	100
54) 2-Hexanone	8.685	43	60833	3.976	ug/l	99
55) Dibromochloromethane	8.808	129	19744	0.867	ug/l	96
56) 1,2-Dibromoethane	8.920	107	14454	0.839	ug/l	88
58) Tetrachloroethene	8.550	164	28029	0.974	ug/l	93
59) Chlorobenzene	9.447	112	62155	0.894	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	21796	0.879	ug/l	98
61) Pentachloroethane	11.425	117	14655	0.874	ug/l	97
62) Hexachloroethane	12.473	117	14448	0.814	ug/l	97
63) Ethyl Benzene	9.570	91	97124	0.823	ug/l	99
64) m/p-Xylenes	9.692	106	73815	1.627	ug/l	99
65) o-Xylene	10.097	106	37252	0.837	ug/l	100
66) Styrene	10.113	104	55662	0.800	ug/l	98
67) Bromoform	10.290	173	10004	0.818	ug/l	97
69) Isopropylbenzene	10.483	105	92968	0.811	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	19103	0.866	ug/l	95
71) 1,2,3-Trichloropropane	10.820	75	14301m	0.807	ug/l	
72) Bromobenzene	10.782	156	24824	0.908	ug/l	98
73) n-propylbenzene	10.904	120	22268	0.754	ug/l	99
74) 2-Chlorotoluene	10.984	126	23767	0.865	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	74998	0.765	ug/l	100
76) 4-Chlorotoluene	11.097	126	23490	0.839	ug/l	99
77) tert-Butylbenzene	11.418	119	69874	0.778	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	72237	0.745	ug/l	99
79) sec-Butylbenzene	11.640	105	81197	0.716	ug/l	97
80) Nitrobenzene	13.222	77	1963m	3.218	ug/l	
81) p-Isopropyltoluene	11.791	119	66138	0.724	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	48385	0.867	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	45222	0.837	ug/l	96
84) n-Butylbenzene	12.206	91	56834	0.730	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	43537	0.853	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.004	75	2601	0.826	ug/l	86
87) 1,2,4-Trichlorobenzene	13.840	180	21112	0.763	ug/l	95
88) Hexachlorobutadiene	14.016	225	16111	0.837	ug/l	97
89) Naphthalene	14.090	128	27074	0.642	ug/l	100
90) 1,2,3-Trichlorobenzene	14.328	180	18051	0.760	ug/l	98

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

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