Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
Data File : VU054868.D
Acq On : 25 Jul 2023 10:41
Operator : MD/SY
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 26 08:42:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 08:39:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
Supervised By :Semsettin Yesilyurt 07/28/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.110	96	26495	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	7632	0.950	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.000%				
68) 1,2-Dichlorobenzene-d4	12.190	152	9755	1.075	ug/l		0.00
Spiked Amount 1.000			Recovery = 107.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	9589	1.901	ug/l		100
3) Chloromethane	1.515	50	11129	1.964	ug/l		95
4) Vinyl Chloride	1.602	62	14314	1.891	ug/l		89
5) Bromomethane	1.853	94	11105	1.849	ug/l		88
6) Chloroethane	1.930	64	14398	1.840	ug/l		93
7) Trichlorofluoromethane	2.132	101	34937	1.965	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	11445	1.986	ug/l		96
9) 1,1-Dichloroethene	2.576	96	9614	2.102	ug/l		97
10) Iodomethane	2.718	142	13942	1.952	ug/l		90
11) Allyl Chloride	2.920	41	11136	2.037	ug/l		99
12) Acrylonitrile	3.325	53	4390m	3.819	ug/l		
13) Acetone	2.653	43	9433m	7.723	ug/l		
14) Carbon Disulfide	2.788	76	15389	1.942	ug/l		96
15) Methylene Chloride	3.039	84	12233	2.055	ug/l		95
16) trans-1,2-Dichloroethene	3.348	96	10103	2.029	ug/l		95
17) 1,1-Dichloroethane	3.862	63	22407	2.012	ug/l	#	92
18) 2-Butanone	4.724	43	12877	8.190	ug/l		93
19) Cyclohexane	5.383	56	12517	1.997	ug/l	#	86
20) Methylcyclohexane	6.759	83	16016	1.911	ug/l		94
21) 2,2-Dichloropropane	4.660	77	20664	2.002	ug/l		99
22) cis-1,2-Dichloroethene	4.663	96	12831	1.939	ug/l		91
23) Diethyl Ether	2.374	59	12841	1.903	ug/l		96
24) tert-Butyl Alcohol	3.184	59	15477m	24.625	ug/l		
25) Methyl tert-Butyl Ether	3.358	73	27555	1.947	ug/l		98
26) Bromochloromethane	4.968	128	5076	1.870	ug/l		89
27) Chloroform	5.084	83	23807	1.990	ug/l		95
28) 1,1,1-Trichloroethane	5.309	97	20405	1.975	ug/l		98
29) 1,1-Dichloropropene	5.525	75	15164	1.990	ug/l		97
30) Carbon Tetrachloride	5.518	117	16542	1.918	ug/l	#	96
31) Isopropyl Ether	3.988	45	32133	1.955	ug/l		97
32) Ethyl-t-butyl ether	4.496	59	33826	1.998	ug/l		98
33) Tert-Amyl methyl ether	5.936	73	30909	1.931	ug/l		100
34) Propionitrile	4.808	54	4186m	9.657	ug/l		
35) Benzene	5.769	78	47091	1.973	ug/l		96
36) 1,2-Dichloroethane	5.792	62	13072	1.926	ug/l	#	84
37) Trichloroethene	6.541	130	12510	1.949	ug/l		99
38) 1,2-Dichloropropane	6.791	63	12879	1.909	ug/l		96
39) Methacrylonitrile	4.991	41	2993m	1.778	ug/l		
40) Methyl acrylate	4.865	55	4529	1.695	ug/l	#	97
41) Tetrahydrofuran	5.078	42	3414m	3.525	ug/l		
42) 1-Chlorobutane	5.454	56	20411	2.046	ug/l		94
43) Dibromomethane	6.914	93	6236	1.968	ug/l		96
44) Bromodichloromethane	7.100	83	17483	1.980	ug/l	#	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	34764	9.403	ug/l	94
46) t-1,4-Dichloro-2-butene	10.830	75	5429m	3.595	ug/l	
47) Methyl methacrylate	6.959	69	10976	3.789	ug/l	99
48) Ethyl methacrylate	8.332	69	11314	1.931	ug/l	98
49) Toluene	7.965	92	29373	1.932	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	14411	1.839	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	18169	1.886	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	10187	2.028	ug/l	92
53) 1,3-Dichloropropane	8.573	76	15875	1.954	ug/l	100
54) 2-Hexanone	8.685	43	23981	9.128	ug/l	97
55) Dibromochloromethane	8.804	129	10524	1.829	ug/l	97
56) 1,2-Dibromoethane	8.920	107	8352	1.962	ug/l	94
58) Tetrachloroethene	8.550	164	11691	2.087	ug/l	89
59) Chlorobenzene	9.444	112	36411	1.974	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.531	131	12772	1.961	ug/l	97
61) Pentachloroethane	11.425	117	9186	1.805	ug/l	99
62) Hexachloroethane	12.470	117	9850	1.882	ug/l	100
63) Ethyl Benzene	9.569	91	59707	1.929	ug/l	100
64) m/p-Xylenes	9.688	106	44167	3.814	ug/l	97
65) o-Xylene	10.097	106	23309	1.959	ug/l	93
66) Styrene	10.113	104	36678	1.928	ug/l	98
67) Bromoform	10.287	173	5976	2.002	ug/l	98
69) Isopropylbenzene	10.479	105	59909	1.876	ug/l	93
70) 1,1,2,2-Tetrachloroethane	10.775	83	12096	1.945	ug/l	99
71) 1,2,3-Trichloropropane	10.827	75	8948m	2.005	ug/l	
72) Bromobenzene	10.782	156	13188	1.855	ug/l	91
73) n-propylbenzene	10.904	120	16460	1.926	ug/l	94
74) 2-Chlorotoluene	10.981	126	14143	1.911	ug/l	94
75) 1,3,5-Trimethylbenzene	11.084	105	48089	1.859	ug/l	98
76) 4-Chlorotoluene	11.094	126	14409	1.874	ug/l	94
77) tert-Butylbenzene	11.415	119	50746	1.887	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	50228	1.897	ug/l	99
79) sec-Butylbenzene	11.640	105	66484	1.901	ug/l	98
80) Nitrobenzene	13.212	77	1604m	9.820	ug/l	
81) p-Isopropyltoluene	11.791	119	50452	1.828	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	28829	1.904	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	29056	1.926	ug/l	98
84) n-Butylbenzene	12.206	91	44060	1.778	ug/l	99
85) 1,2-Dichlorobenzene	12.212	146	27930	1.925	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1569	1.898	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	16927	1.829	ug/l	95
88) Hexachlorobutadiene	14.016	225	8767	1.776	ug/l	94
89) Naphthalene	14.084	128	26090	1.820	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	15251	1.857	ug/l	97

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

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