Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
Data File : VU054888.D
Acq On : 26 Jul 2023 20:10
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 28 03:26:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 09:45:35 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.113	96	27105	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.627	95	8331	1.014 ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	9612	1.035 ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.383	85	48790	9.453 ug/l	100
3) Chloromethane	1.518	50	53670	9.256 ug/l	97
4) Vinyl Chloride	1.602	62	74556	9.628 ug/l	99
5) Bromomethane	1.856	94	53701	8.742 ug/l	96
6) Chloroethane	1.930	64	67180	8.394 ug/l	98
7) Trichlorofluoromethane	2.136	101	154867	8.513 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	54545	9.252 ug/l	97
9) 1,1-Dichloroethene	2.576	96	45373	9.696 ug/l	95
10) Iodomethane	2.718	142	74296	10.170 ug/l	99
11) Allyl Chloride	2.920	41	53962	9.649 ug/l	96
12) Acrylonitrile	3.325	53	25763	21.937 ug/l	98
13) Acetone	2.644	43	45357	36.951 ug/l	98
14) Carbon Disulfide	2.789	76	71883	8.867 ug/l	98
15) Methylene Chloride	3.039	84	62896	10.535 ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	52641	10.333 ug/l	94
17) 1,1-Dichloroethane	3.862	63	112397	9.865 ug/l	98
18) 2-Butanone	4.711	43	77196	49.853 ug/l	99
19) Cyclohexane	5.383	56	70077m	10.930 ug/l	
20) Methylcyclohexane	6.759	83	86269	10.063 ug/l	98
21) 2,2-Dichloropropane	4.660	77	89747	8.498 ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	67416	9.958 ug/l	96
23) Diethyl Ether	2.374	59	67922	9.838 ug/l	98
24) tert-Butyl Alcohol	3.210	59	67674m	105.365 ug/l	
25) Methyl tert-Butyl Ether	3.361	73	156132	10.782 ug/l	98
26) Bromochloromethane	4.968	128	29255	10.536 ug/l	98
27) Chloroform	5.081	83	125926	10.291 ug/l	95
28) 1,1,1-Trichloroethane	5.313	97	105638	9.996 ug/l	99
29) 1,1-Dichloropropene	5.522	75	76108	9.762 ug/l	99
30) Carbon Tetrachloride	5.522	117	87966	9.972 ug/l	99
31) Isopropyl Ether	3.988	45	169010	10.049 ug/l	99
32) Ethyl-t-butyl ether	4.499	59	175215	10.118 ug/l	98
33) Tert-Amyl methyl ether	5.936	73	168965	10.320 ug/l	99
34) Propionitrile	4.792	54	28388	66.497 ug/l #	85
35) Benzene	5.769	78	242754	9.944 ug/l	98
36) 1,2-Dichloroethane	5.788	62	73347	10.561 ug/l	99
37) Trichloroethene	6.541	130	66899	10.189 ug/l	93
38) 1,2-Dichloropropane	6.785	63	70514	10.218 ug/l	99
39) Methacrylonitrile	4.972	41	19169	11.200 ug/l	96
40) Methyl acrylate	4.846	55	29391	10.800 ug/l #	93
41) Tetrahydrofuran	5.062	42	20250	20.693 ug/l	94
42) 1-Chlorobutane	5.454	56	97048	9.507 ug/l	99
43) Dibromomethane	6.914	93	35808	11.047 ug/l	98
44) Bromodichloromethane	7.100	83	95031	10.522 ug/l	99

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	220357	58.261 ug/l		99
46) t-1,4-Dichloro-2-butene	10.830	75	34934m	22.955 ug/l		
47) Methyl methacrylate	6.956	69	69790	23.550 ug/l		97
48) Ethyl methacrylate	8.329	69	68073	11.357 ug/l		99
49) Toluene	7.965	92	161525	10.386 ug/l		97
50) t-1,3-Dichloropropene	8.206	75	85892	10.712 ug/l		100
51) cis-1,3-Dichloropropene	7.605	75	101526	10.301 ug/l		100
52) 1,1,2-Trichloroethane	8.396	97	54204	10.548 ug/l		96
53) 1,3-Dichloropropane	8.570	76	93276	11.221 ug/l		100
54) 2-Hexanone	8.682	43	149780	55.730 ug/l		98
55) Dibromochloromethane	8.808	129	64836	11.012 ug/l		99
56) 1,2-Dibromoethane	8.920	107	49763	11.427 ug/l		98
58) Tetrachloroethene	8.550	164	58386	10.187 ug/l		98
59) Chlorobenzene	9.444	112	196453	10.410 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.531	131	71587	10.744 ug/l		99
61) Pentachloroethane	11.425	117	52961	10.174 ug/l		98
62) Hexachloroethane	12.470	117	56982	10.645 ug/l		97
63) Ethyl Benzene	9.566	91	325951	10.293 ug/l		98
64) m/p-Xylenes	9.689	106	246986	20.846 ug/l		100
65) o-Xylene	10.097	106	126810	10.420 ug/l		95
66) Styrene	10.110	104	209652	10.775 ug/l		100
67) Bromoform	10.287	173	36245	11.871 ug/l		98
69) Isopropylbenzene	10.480	105	340454	10.421 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.779	83	71821	11.291 ug/l		97
71) 1,2,3-Trichloropropane	10.820	75	51148m	11.289 ug/l		
72) Bromobenzene	10.779	156	80055	11.005 ug/l		99
73) n-propylbenzene	10.901	120	90689	10.372 ug/l		100
74) 2-Chlorotoluene	10.981	126	80871	10.684 ug/l		98
75) 1,3,5-Trimethylbenzene	11.084	105	283222	10.705 ug/l		99
76) 4-Chlorotoluene	11.094	126	84821	10.786 ug/l		98
77) tert-Butylbenzene	11.415	119	294393	10.699 ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	292343	10.793 ug/l		98
79) sec-Butylbenzene	11.640	105	378140	10.572 ug/l		100
80) Nitrobenzene	13.206	77	9509	56.900 ug/l	#	94
81) p-Isopropyltoluene	11.788	119	311609	11.038 ug/l		99
82) 1,3-Dichlorobenzene	11.743	146	164782	10.641 ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	163002	10.559 ug/l		99
84) n-Butylbenzene	12.206	91	287741	11.348 ug/l		99
85) 1,2-Dichlorobenzene	12.209	146	155845	10.498 ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	10001	11.827 ug/l		97
87) 1,2,4-Trichlorobenzene	13.836	180	99296	10.488 ug/l		98
88) Hexachlorobutadiene	14.016	225	56155	11.121 ug/l		98
89) Naphthalene	14.084	128	181597	12.386 ug/l		99
90) 1,2,3-Trichlorobenzene	14.325	180	107299	12.773 ug/l		99

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

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