Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053831.D
Acq On : 21 Apr 2023 17:55
Operator : JC/MD
Sample : 02213-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 03:21:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2023

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/28/2023
Supervised By :Mahesh Dadoda 04/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	31214	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11180	0.913	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
68) 1,2-Dichlorobenzene-d4	12.192	152	12970	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery =	89.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	7148	0.755	ug/l	94
3) Chloromethane	1.520	50	6457	0.758	ug/l	99
4) Vinyl Chloride	1.604	62	7587	0.770	ug/l	99
5) Bromomethane	1.858	94	5670	0.765	ug/l	99
6) Chloroethane	1.935	64	5548	0.880	ug/l	99
7) Trichlorofluoromethane	2.141	101	12736	0.770	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	8055	0.748	ug/l	92
9) 1,1-Dichloroethene	2.581	96	6129	0.695	ug/l	82
10) Iodomethane	2.723	142	6092	0.634	ug/l	97
11) Allyl Chloride	2.922	41	6443	0.615	ug/l	89
12) Acrylonitrile	3.343	53	2527	1.147	ug/l	96
13) Acetone	2.649	43	7890m	2.561	ug/l	
14) Carbon Disulfide	2.790	76	9574	0.661	ug/l	99
15) Methylene Chloride	3.047	84	10283	0.796	ug/l	83
16) trans-1,2-Dichloroethene	3.353	96	6436	0.675	ug/l	85
17) 1,1-Dichloroethane	3.867	63	13530	0.688	ug/l	93
18) 2-Butanone	4.729	43	8927m	2.236	ug/l	
19) Cyclohexane	5.388	56	8144m	0.598	ug/l	
20) Methylcyclohexane	6.758	83	9932	0.813	ug/l	91
21) 2,2-Dichloropropane	4.662	77	11897	0.665	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	8319	0.697	ug/l	88
23) Diethyl Ether	2.379	59	5096	0.784	ug/l	95
24) tert-Butyl Alcohol	3.256	59	5469m	6.177	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	15918	0.647	ug/l	97
26) Bromochloromethane	4.967	128	3210	0.608	ug/l	95
27) Chloroform	5.083	83	15115	0.712	ug/l	94
28) 1,1,1-Trichloroethane	5.308	97	12413	0.705	ug/l	95
29) 1,1-Dichloropropene	5.526	75	8702	0.777	ug/l	98
30) Carbon Tetrachloride	5.520	117	10075	0.800	ug/l	98
31) Isopropyl Ether	3.990	45	18167	0.639	ug/l	97
32) Ethyl-t-butyl ether	4.498	59	18774	0.652	ug/l	94
33) Tert-Amyl methyl ether	5.935	73	16903	0.804	ug/l #	95
34) Propionitrile	4.819	54	2300m	2.576	ug/l	
35) Benzene	5.771	78	28808	0.835	ug/l	98
36) 1,2-Dichloroethane	5.797	62	8411	0.776	ug/l #	94
37) Trichloroethene	6.543	130	7727	0.788	ug/l	99
38) 1,2-Dichloropropane	6.787	63	8352	0.850	ug/l	95
39) Methacrylonitrile	4.986	41	1546	0.434	ug/l #	77
40) Methyl acrylate	4.864	55	3298	0.561	ug/l #	74
41) Tetrahydrofuran	5.070	42	1350	0.764	ug/l #	76
42) 1-Chlorobutane	5.456	56	10831	0.708	ug/l	98
43) Dibromomethane	6.915	93	4266	0.856	ug/l	91
44) Bromodichloromethane	7.102	83	10117	0.805	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	18635	3.677 ug/l	96
46) t-1,4-Dichloro-2-butene	10.829	75	4171m	1.982 ug/l	
47) Methyl methacrylate	6.960	69	7051	1.611 ug/l #	83
48) Ethyl methacrylate	8.333	69	5370	0.626 ug/l	89
49) Toluene	7.967	92	17053	0.784 ug/l	99
50) t-1,3-Dichloropropene	8.205	75	8287	0.734 ug/l	92
51) cis-1,3-Dichloropropene	7.604	75	10074	0.748 ug/l	96
52) 1,1,2-Trichloroethane	8.395	97	5825	0.737 ug/l	94
53) 1,3-Dichloropropane	8.571	76	9984	0.807 ug/l	98
54) 2-Hexanone	8.684	43	13212	2.780 ug/l	95
55) Dibromochloromethane	8.806	129	6944	0.835 ug/l	93
56) 1,2-Dibromoethane	8.925	107	5054	0.741 ug/l	95
58) Tetrachloroethene	8.552	164	7724	0.815 ug/l	95
59) Chlorobenzene	9.446	112	22331	0.825 ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	7487	0.767 ug/l	99
61) Pentachloroethane	11.420	117	5264	0.700 ug/l	97
62) Hexachloroethane	12.472	117	5278	0.719 ug/l	89
63) Ethyl Benzene	9.568	91	33302	0.779 ug/l	99
64) m/p-Xylenes	9.690	106	25327	1.505 ug/l	92
65) o-Xylene	10.099	106	12649	0.745 ug/l	100
66) Styrene	10.111	104	19471	0.721 ug/l	98
67) Bromoform	10.288	173	3106	0.719 ug/l #	91
69) Isopropylbenzene	10.481	105	33404	0.753 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.777	83	7638	0.750 ug/l	95
71) 1,2,3-Trichloropropane	10.822	75	3525m	0.480 ug/l	
72) Bromobenzene	10.780	156	8263	0.726 ug/l	92
73) n-propylbenzene	10.902	120	9461	0.769 ug/l	86
74) 2-Chlorotoluene	10.983	126	8756	0.753 ug/l	85
75) 1,3,5-Trimethylbenzene	11.083	105	26812	0.693 ug/l	93
76) 4-Chlorotoluene	11.095	126	8552	0.721 ug/l	88
77) tert-Butylbenzene	11.417	119	27033	0.694 ug/l	97
78) 1,2,4-Trimethylbenzene	11.462	105	27911	0.707 ug/l	98
79) sec-Butylbenzene	11.639	105	37367	0.714 ug/l	96
80) Nitrobenzene	13.211	77	469	1.454 ug/l #	62
81) p-Isopropyltoluene	11.787	119	29283	0.683 ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	17588	0.723 ug/l	97
83) 1,4-Dichlorobenzene	11.835	146	18507	0.763 ug/l	99
84) n-Butylbenzene	12.208	91	28300	0.932 ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	17582	0.739 ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.989	75	737	0.514 ug/l #	69
87) 1,2,4-Trichlorobenzene	13.841	180	10607	0.675 ug/l	96
88) Hexachlorobutadiene	14.018	225	6118	0.729 ug/l	98
89) Naphthalene	14.086	128	16663	0.605 ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	8902	0.595 ug/l	96

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

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