Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
Data File : VU051454.D
Acq On : 19 Oct 2022 13:21
Operator : JC/MD
Sample : N4955-09 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

Manual Integrations APPROVED
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 20 07:40:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 20 07:37:57 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	48445	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14287	0.841	ug/l	0.00
Spiked Amount 1.000			Recovery =	84.000%		
68) 1,2-Dichlorobenzene-d4	12.192	152	17372	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	12516m	0.740	ug/l	
3) Chloromethane	1.533	50	20350	0.763	ug/l	99
4) Vinyl Chloride	1.604	62	17439	0.756	ug/l	99
5) Bromomethane	1.855	94	12173	0.946	ug/l	99
6) Chloroethane	1.932	64	11826	0.899	ug/l	98
7) Trichlorofluoromethane	2.138	101	18718	0.726	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	10524	0.740	ug/l	100
9) 1,1-Dichloroethene	2.578	96	12208	0.821	ug/l	86
10) Iodomethane	2.720	142	14648	0.760	ug/l	99
11) Allyl Chloride	2.922	41	18426	0.813	ug/l	94
12) Acrylonitrile	3.318	53	6730	1.538	ug/l	96
13) Acetone	2.626	43	12421	3.943	ug/l	93
14) Carbon Disulfide	2.790	76	41672	0.787	ug/l	98
15) Methylene Chloride	3.044	84	24033	1.104	ug/l	98
16) trans-1,2-Dichloroethene	3.347	96	13815	0.810	ug/l	85
17) 1,1-Dichloroethane	3.867	63	23967	0.782	ug/l	99
18) 2-Butanone	4.723	43	13420	3.511	ug/l	99
19) Cyclohexane	5.382	56	11543m	0.608	ug/l	
20) Methylcyclohexane	6.761	83	10740	0.570	ug/l	93
21) 2,2-Dichloropropane	4.658	77	16299	0.762	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	11622	0.721	ug/l	98
23) Diethyl Ether	2.379	59	10259	0.790	ug/l	96
24) tert-Butyl Alcohol	3.186	59	9619	7.066	ug/l	97
25) Methyl tert-Butyl Ether	3.366	73	30602	0.791	ug/l	96
26) Bromochloromethane	4.973	128	6242	0.794	ug/l	98
27) Chloroform	5.086	83	24097	0.776	ug/l	91
28) 1,1,1-Trichloroethane	5.314	97	18658	0.753	ug/l	98
29) 1,1-Dichloropropene	5.523	75	13078	0.689	ug/l	94
30) Carbon Tetrachloride	5.523	117	16490	0.789	ug/l	90
31) Isopropyl Ether	3.999	45	26953	0.743	ug/l	94
32) Ethyl-t-butyl ether	4.507	59	22394	0.676	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	20008	0.688	ug/l	96
34) Propionitrile	4.790	54	4758	3.702	ug/l #	85
35) Benzene	5.774	78	44905	0.705	ug/l	97
36) 1,2-Dichloroethane	5.793	62	15236	0.775	ug/l	98
37) Trichloroethene	6.543	130	11049	0.739	ug/l	97
38) 1,2-Dichloropropane	6.787	63	12184	0.697	ug/l	100
39) Methacrylonitrile	4.983	41	2772	0.631	ug/l #	86
40) Methyl acrylate	4.858	55	5140	0.734	ug/l #	84
41) Tetrahydrofuran	5.070	42	3342	1.449	ug/l #	84
42) 1-Chlorobutane	5.456	56	16959	0.655	ug/l	96
43) Dibromomethane	6.916	93	7373	0.813	ug/l	90
44) Bromodichloromethane	7.105	83	17613	0.803	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	26391	3.058	ug/l		93
46) t-1,4-Dichloro-2-butene	10.825	75	7771m	1.613	ug/l		
47) Methyl methacrylate	6.964	69	7690	1.109	ug/l		92
48) Ethyl methacrylate	8.333	69	6827	0.588	ug/l		94
49) Toluene	7.967	92	21711	0.622	ug/l		100
50) t-1,3-Dichloropropene	8.211	75	11839	0.671	ug/l		100
51) cis-1,3-Dichloropropene	7.607	75	13993	0.673	ug/l		94
52) 1,1,2-Trichloroethane	8.401	97	10513	0.812	ug/l		95
53) 1,3-Dichloropropane	8.575	76	15026	0.720	ug/l		94
54) 2-Hexanone	8.687	43	17816	3.002	ug/l		89
55) Dibromochloromethane	8.809	129	10316	0.733	ug/l		99
56) 1,2-Dibromoethane	8.922	107	8332	0.732	ug/l		97
58) Tetrachloroethene	8.552	164	9324	0.716	ug/l		96
59) Chlorobenzene	9.446	112	26096	0.681	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.533	131	11083	0.754	ug/l		99
61) Pentachloroethane	11.427	117	9627	0.735	ug/l		98
62) Hexachloroethane	12.472	117	9058	0.729	ug/l		93
63) Ethyl Benzene	9.568	91	33076	0.569	ug/l		98
64) m/p-Xylenes	9.690	106	23726	1.024	ug/l		100
65) o-Xylene	10.099	106	12437	0.552	ug/l		99
66) Styrene	10.115	104	17950	0.480	ug/l		94
67) Bromoform	10.288	173	5694	0.721	ug/l	#	91
69) Isopropylbenzene	10.481	105	30333	0.547	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.784	83	12737	0.727	ug/l		95
71) 1,2,3-Trichloropropane	10.825	75	9499m	0.730	ug/l		
72) Bromobenzene	10.780	156	9999	0.656	ug/l		95
73) n-propylbenzene	10.906	120	7664	0.491	ug/l		94
74) 2-Chlorotoluene	10.983	126	8371	0.564	ug/l		96
75) 1,3,5-Trimethylbenzene	11.086	105	25020	0.497	ug/l		100
76) 4-Chlorotoluene	11.095	126	8206	0.540	ug/l		89
77) tert-Butylbenzene	11.420	119	26641	0.542	ug/l		98
78) 1,2,4-Trimethylbenzene	11.465	105	25190	0.481	ug/l		98
79) sec-Butylbenzene	11.642	105	33154	0.510	ug/l		100
80) Nitrobenzene	13.211	77	2535	2.924	ug/l	#	97
81) p-Isopropyltoluene	11.790	119	25614	0.492	ug/l		97
82) 1,3-Dichlorobenzene	11.745	146	21582	0.659	ug/l		98
83) 1,4-Dichlorobenzene	11.835	146	17959	0.560	ug/l		91
84) n-Butylbenzene	12.208	91	24830	0.481	ug/l		94
85) 1,2-Dichlorobenzene	12.211	146	20581	0.638	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	1976	0.722	ug/l		88
87) 1,2,4-Trichlorobenzene	13.841	180	9840	0.563	ug/l		95
88) Hexachlorobutadiene	14.018	225	7672	0.673	ug/l		95
89) Naphthalene	14.089	128	16861	0.461	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	9715	0.508	ug/l		94

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

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