Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061224\
Data File : VU059219.D
Acq On : 12 Jun 2024 13:18
Operator : MD/SY
Sample : P2403-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2024

Quant Time: Jun 13 04:36:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 13 04:35:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	43033	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14268	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	15706	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	12939	0.960	ug/l	100
3) Chloromethane	1.515	50	15500	0.955	ug/l	98
4) Vinyl Chloride	1.602	62	16302	0.994	ug/l	95
5) Bromomethane	1.853	94	10582	1.062	ug/l	100
6) Chloroethane	1.930	64	9907	0.939	ug/l	93
7) Trichlorofluoromethane	2.133	101	18273	0.898	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10862	1.038	ug/l	97
9) 1,1-Dichloroethene	2.573	96	10020	0.967	ug/l	94
10) Iodomethane	2.715	142	13055	0.999	ug/l	96
11) Allyl Chloride	2.917	41	12633	0.902	ug/l	99
12) Acrylonitrile	3.335	53	5210m	2.225	ug/l	
13) Acetone	2.644	43	12502m	3.508	ug/l	
14) Carbon Disulfide	2.789	76	31820	0.963	ug/l	96
15) Methylene Chloride	3.039	84	15495	1.090	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	11817	1.045	ug/l	96
17) 1,1-Dichloroethane	3.862	63	22750	0.961	ug/l	98
18) 2-Butanone	4.731	43	15724m	3.978	ug/l	
19) Cyclohexane	5.383	56	15355m	0.896	ug/l	
20) Methylcyclohexane	6.756	83	15334	0.890	ug/l	96
21) 2,2-Dichloropropane	4.653	77	16221	0.926	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	12515	1.018	ug/l	98
23) Diethyl Ether	2.370	59	9229	0.950	ug/l	95
24) tert-Butyl Alcohol	3.232	59	5786m	9.281	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	22831	0.919	ug/l	98
26) Bromochloromethane	4.972	128	5496	1.059	ug/l	91
27) Chloroform	5.081	83	23219	0.975	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	18154	0.967	ug/l	98
29) 1,1-Dichloropropene	5.525	75	14896	0.947	ug/l	99
30) Carbon Tetrachloride	5.518	117	15724	1.021	ug/l	98
31) Isopropyl Ether	3.985	45	27463	0.884	ug/l	97
32) Ethyl-t-butyl ether	4.493	59	26770	0.926	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	23147	0.907	ug/l	98
34) Propionitrile	4.814	54	4375m	4.832	ug/l	
35) Benzene	5.769	78	47855	0.967	ug/l	98
36) 1,2-Dichloroethane	5.792	62	14258	0.972	ug/l	100
37) Trichloroethene	6.541	130	12192	1.032	ug/l	98
38) 1,2-Dichloropropane	6.785	63	13681	0.974	ug/l	96
39) Methacrylonitrile	4.988	41	2935m	0.869	ug/l	
40) Methyl acrylate	4.882	55	5036m	0.851	ug/l	
41) Tetrahydrofuran	5.071	42	3247m	1.798	ug/l	
42) 1-Chlorobutane	5.454	56	20103	0.925	ug/l	97
43) Dibromomethane	6.920	93	6381	1.003	ug/l	97
44) Bromodichloromethane	7.100	83	16534	1.003	ug/l #	96

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	30108	4.415 ug/l	94
46) t-1,4-Dichloro-2-butene	10.830	75	4938m	1.706 ug/l	
47) Methyl methacrylate	6.962	69	9170m	1.679 ug/l	
48) Ethyl methacrylate	8.332	69	8140	0.844 ug/l	92
49) Toluene	7.965	92	25696	0.943 ug/l	100
50) t-1,3-Dichloropropene	8.210	75	12384	0.878 ug/l	93
51) cis-1,3-Dichloropropene	7.602	75	16143	0.934 ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	9181	0.977 ug/l	93
53) 1,3-Dichloropropane	8.570	76	15060	0.930 ug/l	96
54) 2-Hexanone	8.685	43	19819	3.749 ug/l	92
55) Dibromochloromethane	8.804	129	10479	1.030 ug/l	99
56) 1,2-Dibromoethane	8.923	107	7746	0.940 ug/l	94
58) Tetrachloroethene	8.547	164	11752	1.079 ug/l	98
59) Chlorobenzene	9.444	112	30584	1.026 ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	10545	0.988 ug/l	99
61) Pentachloroethane	11.422	117	7727	0.933 ug/l	94
62) Hexachloroethane	12.467	117	7652	0.909 ug/l	93
63) Ethyl Benzene	9.566	91	44600	0.886 ug/l	99
64) m/p-Xylenes	9.689	106	33859	1.784 ug/l	95
65) o-Xylene	10.097	106	16868	0.901 ug/l	95
66) Styrene	10.113	104	25752	0.861 ug/l	97
67) Bromoform	10.290	173	5480	0.995 ug/l	95
69) Isopropylbenzene	10.480	105	42514	0.886 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	12119	1.026 ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	9381m	1.040 ug/l	
72) Bromobenzene	10.779	156	11764	1.023 ug/l	96
73) n-propylbenzene	10.901	120	11305	0.882 ug/l	94
74) 2-Chlorotoluene	10.981	126	10798	0.921 ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	34700	0.856 ug/l	100
76) 4-Chlorotoluene	11.094	126	11382	0.929 ug/l	89
77) tert-Butylbenzene	11.415	119	34170	0.888 ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	34294	0.838 ug/l	97
79) sec-Butylbenzene	11.637	105	48169	0.901 ug/l	100
80) Nitrobenzene	13.232	77	1179m	4.660 ug/l	
81) p-Isopropyltoluene	11.788	119	35361	0.862 ug/l	96
82) 1,3-Dichlorobenzene	11.743	146	24223	0.994 ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	24123	0.990 ug/l	98
84) n-Butylbenzene	12.203	91	34581	0.896 ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	23587	1.026 ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1447	0.900 ug/l	98
87) 1,2,4-Trichlorobenzene	13.839	180	12630	1.026 ug/l	98
88) Hexachlorobutadiene	14.013	225	8308	1.081 ug/l	98
89) Naphthalene	14.090	128	17555	0.876 ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	10798	0.965 ug/l	97

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

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