Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
Data File : VU027752.D
Acq On : 22 Oct 2018 20:21
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU102318

Manual Integrations APPROVED
sam
10/24/2018 2:20:21 PM

Quant Time: Oct 23 09:17:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 23 09:12:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	13330	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5031	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	4754	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	32825	6.202	ug/l	99
3) Chloromethane	1.33	50	46467	8.212	ug/l	97
4) Vinyl Chloride	1.40	62	45989	8.705	ug/l	97
5) Bromomethane	1.63	94	25539	9.190	ug/l	98
6) Chloroethane	1.70	64	26748	9.337	ug/l	99
7) Trichlorofluoromethane	1.89	101	59982	9.316	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30892	9.123	ug/l	99
9) 1,1-Dichloroethene	2.29	96	30721	10.333	ug/l	96
10) Iodomethane	2.41	142	44413	11.116	ug/l	100
11) Allyl Chloride	2.59	41	71525	10.162	ug/l	97
12) Acrylonitrile	2.95	53	42571	46.978	ug/l	99
13) Acetone	2.34	43	38394	46.425	ug/l	99
14) Carbon Disulfide	2.48	76	107173	9.684	ug/l	98
15) Methylene Chloride	2.70	84	34205	9.129	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	33861	10.231	ug/l	99
17) 1,1-Dichloroethane	3.44	63	72352	9.906	ug/l	99
18) 2-Butanone	4.29	43	66221	48.228	ug/l	98
19) Cyclohexane	5.00	56	63026	9.626	ug/l	99
20) Methylcyclohexane	6.41	83	65927	9.931	ug/l	99
21) 2,2-Dichloropropane	4.23	77	61437	9.528	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	38247	9.653	ug/l	99
23) Diethyl Ether	2.11	59	27075	9.577	ug/l	100
24) tert-Butyl Alcohol	2.88	59	14372m	47.657	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	93979	9.927	ug/l	99
26) Bromochloromethane	4.55	128	15101	9.501	ug/l	96
27) Chloroform	4.68	83	72251	10.160	ug/l	99
28) 1,1,1-Trichloroethane	4.92	97	64341	10.164	ug/l	99
29) 1,1-Dichloropropene	5.13	75	55635	10.064	ug/l	98
30) Carbon Tetrachloride	5.13	117	57363	10.142	ug/l	96
31) Isopropyl Ether	3.58	45	141916	10.788	ug/l #	1
34) Propionitrile	4.35	54	36018	110.017	ug/l	99
35) Benzene	5.39	78	157641	10.204	ug/l	99
36) 1,2-Dichloroethane	5.41	62	51280	9.974	ug/l	100
37) Trichloroethene	6.19	130	37927	9.951	ug/l	100
38) 1,2-Dichloropropane	6.44	63	43319	9.985	ug/l	99
39) Methacrylonitrile	4.56	41	18212	10.073	ug/l	98
40) Methyl acrylate	4.44	55	25467	10.814	ug/l #	93
41) Tetrahydrofuran	4.66	42	44330	44.373	ug/l	97
42) 1-Chlorobutane	5.07	56	87372	10.017	ug/l	97
43) Dibromomethane	6.56	93	20746	10.518	ug/l	100
44) Bromodichloromethane	6.76	83	54844	10.242	ug/l	99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 23 09:12:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.47	43	163858	51.179	ug/l		99
46) t-1,4-Dichloro-2-butene	10.49	75	25965m	22.495	ug/l		
47) Methyl methacrylate	6.63	69	22268	10.706	ug/l		97
48) Ethyl methacrylate	8.02	69	44529	10.300	ug/l		97
49) Toluene	7.64	92	97576	10.645	ug/l		97
50) t-1,3-Dichloropropene	7.88	75	57206	10.721	ug/l		95
51) cis-1,3-Dichloropropene	7.27	75	65643	10.443	ug/l		97
52) 1,1,2-Trichloroethane	8.07	97	28581	10.727	ug/l		96
53) 1,3-Dichloropropane	8.24	76	52493	10.257	ug/l		99
54) 2-Hexanone	8.37	43	119196	52.244	ug/l		99
55) Dibromochloromethane	8.48	129	34417	10.277	ug/l		100
56) 1,2-Dibromoethane	8.59	107	27350	10.457	ug/l		100
58) Tetrachloroethene	8.23	164	36413	10.129	ug/l		98
59) Chlorobenzene	9.12	112	102338	10.417	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.21	131	37272	10.436	ug/l		98
61) Pentachloroethane	11.10	117	29729	11.160	ug/l		98
62) Hexachloroethane	12.15	117	32401	11.073	ug/l		98
63) Ethyl Benzene	9.25	91	196442	10.557	ug/l		99
64) m/p-Xylenes	9.38	106	141231	21.270	ug/l		100
65) o-Xylene	9.78	106	68484	10.402	ug/l		99
66) Styrene	9.79	104	113298	10.429	ug/l		100
67) Bromoform	9.96	173	21229	10.952	ug/l		98
69) Isopropylbenzene	10.17	105	189747	10.528	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.46	83	36383	10.274	ug/l		99
71) 1,2,3-Trichloropropane	10.49	75	18219m	6.621	ug/l		
72) Bromobenzene	10.45	156	43638	10.866	ug/l		99
73) n-propylbenzene	10.59	120	49477	10.644	ug/l		94
74) 2-Chlorotoluene	10.66	126	42053	10.564	ug/l		94
75) 1,3,5-Trimethylbenzene	10.77	105	161701	10.752	ug/l		99
76) 4-Chlorotoluene	10.77	126	43703	10.834	ug/l		99
77) tert-Butylbenzene	11.10	119	153553	10.380	ug/l		99
78) 1,2,4-Trimethylbenzene	11.15	105	166559	10.780	ug/l		99
79) sec-Butylbenzene	11.32	105	198690	10.143	ug/l		100
80) Nitrobenzene	12.86	77	1542	11.782	ug/l	#	89
81) p-Isopropyltoluene	11.48	119	173611	10.843	ug/l		99
82) 1,3-Dichlorobenzene	11.42	146	84087	10.582	ug/l		100
83) 1,4-Dichlorobenzene	11.51	146	85437	10.731	ug/l		98
84) n-Butylbenzene	11.89	91	174215	11.201	ug/l		100
85) 1,2-Dichlorobenzene	11.88	146	79274	10.455	ug/l		99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7231	10.994	ug/l		97
87) 1,2,4-Trichlorobenzene	13.50	180	62400	11.326	ug/l		99
88) Hexachlorobutadiene	13.69	225	35383	10.707	ug/l		99
89) Naphthalene	13.74	128	118102	11.414	ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	57899	11.044	ug/l		97

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

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