Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121418\
Data File : VU028666.D
Acq On : 13 Dec 2018 09:08
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
MMDadoda
12/14/2018 9:32:14 AM

Quant Time: Dec 14 05:40:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 01:03:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	15928	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	6356	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery = 109.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	5938	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery = 109.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	60447	10.550	ug/l	99
3) Chloromethane	1.33	50	92815	9.517	ug/l	98
4) Vinyl Chloride	1.40	62	72266	10.827	ug/l	100
5) Bromomethane	1.61	94	27673	10.524	ug/l	99
6) Chloroethane	1.69	64	40987	10.519	ug/l	97
7) Trichlorofluoromethane	1.88	101	78737	10.802	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	46359	11.057	ug/l	99
9) 1,1-Dichloroethene	2.28	96	41119	10.603	ug/l	97
10) Iodomethane	2.41	142	45834	17.476	ug/l	99
11) Allyl Chloride	2.59	41	104183	10.642	ug/l	99
12) Acrylonitrile	2.94	53	26240	21.243	ug/l	97
13) Acetone	2.32	43	58289	50.920	ug/l	97
14) Carbon Disulfide	2.48	76	154369	10.480	ug/l	99
15) Methylene Chloride	2.70	84	51276	10.843	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	46712	10.763	ug/l	98
17) 1,1-Dichloroethane	3.44	63	103942	10.743	ug/l	98
18) 2-Butanone	4.28	43	95657	55.923	ug/l	99
19) Cyclohexane	4.98	56	88211	10.502	ug/l	97
20) Methylcyclohexane	6.40	83	81306	9.889	ug/l	98
21) 2,2-Dichloropropane	4.22	77	84561	10.890	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	53183	10.471	ug/l	98
23) Diethyl Ether	2.10	59	41045	10.558	ug/l	98
24) tert-Butyl Alcohol	2.84	59	41482	106.309	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	123923	10.758	ug/l	99
26) Bromochloromethane	4.54	128	19892	10.275	ug/l	95
27) Chloroform	4.67	83	91432	9.799	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	75569	10.371	ug/l	99
29) 1,1-Dichloropropene	5.13	75	71557	10.237	ug/l	99
30) Carbon Tetrachloride	5.13	117	60807	10.334	ug/l	97
31) Isopropyl Ether	3.58	45	187589	10.827	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	153080	10.727	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	120608	10.189	ug/l	99
34) Propionitrile	4.33	54	24830	57.784	ug/l #	97
35) Benzene	5.38	78	201479	9.791	ug/l	99
36) 1,2-Dichloroethane	5.40	62	63312	10.287	ug/l	100
37) Trichloroethene	6.18	130	45052	10.052	ug/l	94
38) 1,2-Dichloropropane	6.43	63	59621	10.160	ug/l	93
39) Methacrylonitrile	4.55	41	25031	10.875	ug/l	98
40) Methyl acrylate	4.42	55	33141	10.466	ug/l #	97
41) Tetrahydrofuran	4.66	42	25261	21.834	ug/l	97
42) 1-Chlorobutane	5.06	56	111006	9.990	ug/l	98

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.56	93	25383	10.161	ug/l		100
44) Bromodichloromethane	6.75	83	65546	9.937	ug/l		98
45) 4-Methyl-2-Pentanone	7.47	43	214289	53.405	ug/l		100
46) t-1,4-Dichloro-2-butene	10.52	75	31167m	21.236	ug/l		
47) Methyl methacrylate	6.63	69	54029	21.189	ug/l		99
48) Ethyl methacrylate	8.03	69	56342	11.046	ug/l		98
49) Toluene	7.63	92	120187	10.517	ug/l		99
50) t-1,3-Dichloropropene	7.88	75	67001	10.575	ug/l		100
51) cis-1,3-Dichloropropene	7.27	75	82053	10.488	ug/l		99
52) 1,1,2-Trichloroethane	8.07	97	36752	10.479	ug/l		97
53) 1,3-Dichloropropane	8.24	76	68371	10.436	ug/l		100
54) 2-Hexanone	8.37	43	154731	53.605	ug/l		99
55) Dibromochloromethane	8.48	129	40457	10.845	ug/l		99
56) 1,2-Dibromoethane	8.58	107	34494	10.797	ug/l		97
58) Tetrachloroethene	8.22	164	41944	10.221	ug/l		96
59) Chlorobenzene	9.12	112	124005	10.428	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.21	131	44032	10.926	ug/l		97
61) Pentachloroethane	11.10	117	35646	11.367	ug/l		99
62) Hexachloroethane	12.14	117	35335	12.024	ug/l		96
63) Ethyl Benzene	9.25	91	237141	10.807	ug/l		99
64) m/p-Xylenes	9.37	106	176533	22.231	ug/l		98
65) o-Xylene	9.78	106	85865	11.206	ug/l		99
66) Styrene	9.79	104	151018	11.490	ug/l		97
67) Bromoform	9.96	173	23521	11.250	ug/l		100
69) Isopropylbenzene	10.16	105	226935	11.060	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	51996	11.052	ug/l		100
71) 1,2,3-Trichloropropane	10.49	75	32819	10.007	ug/l	#	94
72) Bromobenzene	10.45	156	51232	11.249	ug/l		98
73) n-propylbenzene	10.59	120	61906	11.633	ug/l		99
74) 2-Chlorotoluene	10.66	126	53860	11.550	ug/l		93
75) 1,3,5-Trimethylbenzene	10.77	105	198904	11.518	ug/l		97
76) 4-Chlorotoluene	10.77	126	55362	11.710	ug/l		100
77) tert-Butylbenzene	11.10	119	188138	11.572	ug/l		98
78) 1,2,4-Trimethylbenzene	11.15	105	205995	11.640	ug/l		99
79) sec-Butylbenzene	11.32	105	261398	11.533	ug/l		100
80) Nitrobenzene	12.86	77	12605	59.474	ug/l		98
81) p-Isopropyltoluene	11.48	119	208191	11.559	ug/l		98
82) 1,3-Dichlorobenzene	11.41	146	105878	11.606	ug/l		99
83) 1,4-Dichlorobenzene	11.51	146	105822	11.655	ug/l		99
84) n-Butylbenzene	11.89	91	222163	11.749	ug/l		100
85) 1,2-Dichlorobenzene	11.88	146	100105	11.529	ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	8068	10.661	ug/l		98
87) 1,2,4-Trichlorobenzene	13.50	180	69042	11.311	ug/l		99
88) Hexachlorobutadiene	13.69	225	38188	11.563	ug/l		99
89) Naphthalene	13.74	128	131728	10.919	ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	63300	10.998	ug/l		100

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

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