

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072518\
 Data File : VU025628.D
 Acq On : 25 Jul 2018 10:38
 Operator : MD/SY
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 7/26/2018 4:26:24 PM

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Quant Time: Jul 25 11:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 11:50:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	36519	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13114	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14530	1.25	ug/l	0.00
Spiked Amount 1.000			Recovery	=	125.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	25605	2.159	ug/l	98
3) Chloromethane	1.33	50	24972	1.818	ug/l	98
4) Vinyl Chloride	1.41	62	22684	1.721	ug/l	99
5) Bromomethane	1.63	94	10690	1.517	ug/l	99
6) Chloroethane	1.70	64	13700	1.867	ug/l	96
7) Trichlorofluoromethane	1.89	101	32754	2.165	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	18669	2.009	ug/l	97
9) 1,1-Dichloroethene	2.29	96	15809	1.832	ug/l	97
10) Iodomethane	2.42	142	9164	0.893	ug/l	99
11) Allyl Chloride	2.60	41	26244	1.655	ug/l	84
12) Acrylonitrile	2.95	53	6933	3.893	ug/l #	91
13) Acetone	2.33	43	14710	9.733	ug/l	99
14) Carbon Disulfide	2.48	76	53925	1.899	ug/l	99
15) Methylene Chloride	2.70	84	18714	1.904	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	18019	1.949	ug/l	92
17) 1,1-Dichloroethane	3.45	63	35440	1.946	ug/l	95
18) 2-Butanone	4.28	43	26474	10.840	ug/l	100
19) Cyclohexane	5.00	56	26852	1.707	ug/l	85
20) Methylcyclohexane	6.42	83	32607	2.031	ug/l	96
21) 2,2-Dichloropropane	4.23	77	34371	2.380	ug/l	98
22) cis-1,2-Dichloroethene	4.23	96	22720	2.271	ug/l	91
23) Diethyl Ether	2.11	59	12487	1.770	ug/l	98
24) tert-Butyl Alcohol	2.84	59	13667	25.692	ug/l #	80
25) Methyl tert-Butyl Ether	3.01	73	43814	2.020	ug/l	97
26) Bromochloromethane	4.55	128	9767	2.471	ug/l	84
27) Chloroform	4.68	83	38995	2.274	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	34798	2.473	ug/l	98
29) 1,1-Dichloropropene	5.14	75	28567	2.069	ug/l	98
30) Carbon Tetrachloride	5.14	117	31036	2.622	ug/l	98
31) Isopropyl Ether	3.58	45	57697	1.877	ug/l	94
32) Ethyl-t-butyl ether	4.09	59	54334	2.069	ug/l	96
33) Tert-Amyl methyl ether	5.59	73	47948	2.157	ug/l	98
34) Propionitrile	4.34	54	7441	10.701	ug/l #	83
35) Benzene	5.39	78	79658	1.942	ug/l	98
36) 1,2-Dichloroethane	5.41	62	25214	2.173	ug/l	96
37) Trichloroethene	6.19	130	22535	2.046	ug/l	98
38) 1,2-Dichloropropane	6.44	63	20437	1.816	ug/l	99
39) Methacrylonitrile	4.56	41	7172	2.017	ug/l	97
40) Methyl acrylate	4.44	55	10408	2.110	ug/l #	95
41) Tetrahydrofuran	4.66	42	8252	4.504	ug/l	97
42) 1-Chlorobutane	5.07	56	38083	1.904	ug/l	98

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.57	93	10753	2.222	ug/l	97
44) Bromodichloromethane	6.76	83	27384	2.252	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	60151	10.516	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	8231m	4.867	ug/l	
47) Methyl methacrylate	6.63	69	17325	3.951	ug/l #	91
48) Ethyl methacrylate	8.02	69	18185	2.372	ug/l	97
49) Toluene	7.64	92	48123	2.031	ug/l	100
50) t-1,3-Dichloropropene	7.89	75	24468	2.357	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	29219	2.163	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	14576	2.117	ug/l	96
53) 1,3-Dichloropropane	8.25	76	24840	2.029	ug/l	96
54) 2-Hexanone	8.37	43	41812	10.731	ug/l	98
55) Dibromochloromethane	8.48	129	18523	2.455	ug/l	97
56) 1,2-Dibromoethane	8.59	107	14113	2.379	ug/l	100
58) Tetrachloroethene	8.23	164	21058	2.097	ug/l	99
59) Chlorobenzene	9.12	112	55804	2.200	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	20310	2.357	ug/l	98
61) Pentachloroethane	11.11	117	15409	2.520	ug/l	96
62) Hexachloroethane	12.15	117	15375	2.619	ug/l	94
63) Ethyl Benzene	9.25	91	90813	2.154	ug/l	100
64) m/p-Xylenes	9.38	106	71096	4.372	ug/l	98
65) o-Xylene	9.78	106	34507	2.204	ug/l	99
66) Styrene	9.80	104	58004	2.246	ug/l	99
67) Bromoform	9.96	173	10203	2.589	ug/l #	98
69) Isopropylbenzene	10.17	105	91189	2.261	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	17697	2.280	ug/l	96
71) 1,2,3-Trichloropropane	10.50	75	14091m	2.537	ug/l	
72) Bromobenzene	10.45	156	23787	2.369	ug/l	96
73) n-propylbenzene	10.59	120	25721	2.307	ug/l	94
74) 2-Chlorotoluene	10.66	126	23464	2.380	ug/l	87
75) 1,3,5-Trimethylbenzene	10.78	105	80628	2.373	ug/l	99
76) 4-Chlorotoluene	10.78	126	24818	2.430	ug/l	88
77) tert-Butylbenzene	11.10	119	78829	2.476	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	81674	2.381	ug/l	97
79) sec-Butylbenzene	11.33	105	103879	2.330	ug/l	98
80) Nitrobenzene	12.87	77	2324	8.621	ug/l #	89
81) p-Isopropyltoluene	11.48	119	87117	2.378	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	49941	2.492	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	47832	2.390	ug/l	97
84) n-Butylbenzene	11.89	91	78965	2.208	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	45520	2.516	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2916	2.662	ug/l	90
87) 1,2,4-Trichlorobenzene	13.51	180	29699	2.269	ug/l	98
88) Hexachlorobutadiene	13.70	225	19792	2.494	ug/l	96
89) Naphthalene	13.75	128	48615	2.466	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	27300	2.222	ug/l	98

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

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