

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026202.D
 Acq On : 20 Aug 2018 12:24
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:34:26 AM

Quant Time: Aug 20 13:18:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	35723	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13480	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14821	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	70052	5.50	ug/l	98
3) Chloromethane	1.33	50	57018	4.73	ug/l	97
4) Vinyl Chloride	1.40	62	59451	5.33	ug/l	97
5) Bromomethane	1.63	94	32372	5.96	ug/l	98
6) Chloroethane	1.70	64	33768	5.05	ug/l	96
7) Trichlorofluoromethane	1.89	101	86016	5.29	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	47241	5.29	ug/l	97
9) 1,1-Dichloroethene	2.29	96	40569	5.15	ug/l	95
10) Iodomethane	2.41	142	61666	8.21	ug/l	93
11) Allyl Chloride	2.59	41	69942	5.31	ug/l	89
12) Acrylonitrile	2.94	53	18083	10.41	ug/l	99
13) Acetone	2.32	43	37817	25.04	ug/l	90
14) Carbon Disulfide	2.48	76	138088	5.13	ug/l	100
15) Methylene Chloride	2.70	84	44657	4.76	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	47312	5.36	ug/l	89
17) 1,1-Dichloroethane	3.45	63	86122	4.92	ug/l	98
18) 2-Butanone	4.28	43	67209	25.65	ug/l	97
19) Cyclohexane	5.00	56	65094	4.82	ug/l	86
20) Methylcyclohexane	6.42	83	77153	4.66	ug/l	98
21) 2,2-Dichloropropane	4.23	77	88788	5.32	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	56390	5.07	ug/l	95
23) Diethyl Ether	2.10	59	31192	5.23	ug/l	98
24) tert-Butyl Alcohol	2.84	59	30116	42.98	ug/l #	82
25) Methyl tert-Butyl Ether	3.00	73	105656	4.96	ug/l	94
26) Bromochloromethane	4.55	128	26174	5.35	ug/l	84
27) Chloroform	4.68	83	100655	5.23	ug/l	98
28) 1,1,1-Trichloroethane	4.92	97	91438	5.27	ug/l	97
29) 1,1-Dichloropropene	5.14	75	70664	4.96	ug/l	96
30) Carbon Tetrachloride	5.14	117	84788	5.38	ug/l	100
31) Isopropyl Ether	3.58	45	140859	5.02	ug/l	89
32) Ethyl-t-butyl ether	4.08	59	125563	4.71	ug/l	94
33) Tert-Amyl methyl ether	5.59	73	108465	4.61	ug/l	97
34) Propionitrile	4.34	54	18768	25.78	ug/l #	90
35) Benzene	5.39	78	207721	5.22	ug/l	98
36) 1,2-Dichloroethane	5.41	62	62761	5.14	ug/l	100
37) Trichloroethene	6.19	130	56220	4.80	ug/l	100
38) 1,2-Dichloropropane	6.44	63	53396	5.17	ug/l	98
39) Methacrylonitrile	4.55	41	16577	4.95	ug/l	92
40) Methyl acrylate	4.43	55	25186	4.98	ug/l #	98
41) Tetrahydrofuran	4.65	42	16832	8.50	ug/l	93
42) 1-Chlorobutane	5.07	56	98173	5.06	ug/l	99

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43) Dibromomethane	6.56	93	28460	5.28	ug/l	96
44) Bromodichloromethane	6.76	83	73474	5.38	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	148359	24.68	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	26955m	11.25	ug/l	
47) Methyl methacrylate	6.63	69	45438	10.08	ug/l	95
48) Ethyl methacrylate	8.02	69	41005	4.53	ug/l	99
49) Toluene	7.64	92	123452	5.08	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	64049	5.19	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	74040	5.01	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	38760	5.36	ug/l	94
53) 1,3-Dichloropropane	8.25	76	63426	5.20	ug/l	99
54) 2-Hexanone	8.37	43	105389	24.82	ug/l	98
55) Dibromochloromethane	8.48	129	50651	5.51	ug/l	99
56) 1,2-Dibromoethane	8.59	107	36698	5.25	ug/l	98
58) Tetrachloroethene	8.23	164	54654	5.19	ug/l	97
59) Chlorobenzene	9.12	112	138224	4.94	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	54371	5.24	ug/l	98
61) Pentachloroethane	11.10	117	47394	5.98	ug/l	96
62) Hexachloroethane	12.15	117	46327	5.72	ug/l	98
63) Ethyl Benzene	9.25	91	228066	4.90	ug/l	98
64) m/p-Xylenes	9.38	106	189725	10.38	ug/l	97
65) o-Xylene	9.78	106	88701	5.09	ug/l	97
66) Styrene	9.80	104	152692	5.16	ug/l	100
67) Bromoform	9.96	173	30851	5.69	ug/l	97
69) Isopropylbenzene	10.17	105	228518	4.85	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	48025	5.29	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	35260m	4.98	ug/l	
72) Bromobenzene	10.45	156	64261	5.26	ug/l	93
73) n-propylbenzene	10.59	120	70198	5.29	ug/l	91
74) 2-Chlorotoluene	10.66	126	61777	5.29	ug/l	88
75) 1,3,5-Trimethylbenzene	10.77	105	214699	5.22	ug/l	100
76) 4-Chlorotoluene	10.77	126	64398	5.25	ug/l	95
77) tert-Butylbenzene	11.10	119	203565	5.02	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	223095	5.32	ug/l	99
79) sec-Butylbenzene	11.33	105	271606	5.10	ug/l	97
80) Nitrobenzene	12.86	77	9769	35.34	ug/l	94
81) p-Isopropyltoluene	11.48	119	236180	5.23	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	131635	5.23	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	134457	5.48	ug/l	99
84) n-Butylbenzene	11.89	91	222470	5.25	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	120177	5.23	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	8380	5.59	ug/l	97
87) 1,2,4-Trichlorobenzene	13.51	180	82099	5.13	ug/l	99
88) Hexachlorobutadiene	13.69	225	51364	5.23	ug/l	97
89) Naphthalene	13.74	128	130613	5.03	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	79259	5.43	ug/l	100

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

