

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026204.D
 Acq On : 20 Aug 2018 13:12
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda

8/21/2018 11:34:26 AM

Quant Time: Aug 20 13:32:59 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	38213	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13940	0.98	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15665	1.00	ug/l	0.00
Spiked Amount	1.000		Recovery	=	100.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	274390	20.14	ug/l	99
3) Chloromethane	1.33	50	230926	17.92	ug/l	100
4) Vinyl Chloride	1.40	62	237851	19.95	ug/l	100
5) Bromomethane	1.62	94	136925	23.58	ug/l	99
6) Chloroethane	1.70	64	134928	18.86	ug/l	97
7) Trichlorofluoromethane	1.89	101	344803	19.83	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	188401	19.73	ug/l	98
9) 1,1-Dichloroethene	2.28	96	163084	19.36	ug/l	95
10) Iodomethane	2.41	142	282675	32.41	ug/l	93
11) Allyl Chloride	2.59	41	284485	20.20	ug/l	87
12) Acrylonitrile	2.94	53	72207	38.88	ug/l	97
13) Acetone	2.32	43	150926	93.44	ug/l	94
14) Carbon Disulfide	2.48	76	567287	19.69	ug/l	100
15) Methylene Chloride	2.70	84	181379	18.06	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	186581	19.75	ug/l	93
17) 1,1-Dichloroethane	3.45	63	344290	18.38	ug/l	98
18) 2-Butanone	4.28	43	276699	98.72	ug/l	99
19) Cyclohexane	5.00	56	298003	20.63	ug/l	86
20) Methylcyclohexane	6.42	83	368712	20.81	ug/l	94
21) 2,2-Dichloropropane	4.23	77	353729	19.80	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	237470	19.97	ug/l	93
23) Diethyl Ether	2.10	59	127903	20.04	ug/l	96
24) tert-Butyl Alcohol	2.84	59	124416	165.99	ug/l #	81
25) Methyl tert-Butyl Ether	3.00	73	438376	19.24	ug/l	98
26) Bromochloromethane	4.55	128	107244	20.48	ug/l	83
27) Chloroform	4.68	83	401597	19.51	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	361859	19.49	ug/l	97
29) 1,1-Dichloropropene	5.14	75	308835	20.28	ug/l	98
30) Carbon Tetrachloride	5.14	117	344883	20.45	ug/l	98
31) Isopropyl Ether	3.58	45	606691	20.21	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	555992	19.49	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	504618	20.04	ug/l	98
34) Propionitrile	4.33	54	79512	102.10	ug/l #	94
35) Benzene	5.39	78	857235	20.13	ug/l	100
36) 1,2-Dichloroethane	5.41	62	256387	19.62	ug/l	99
37) Trichloroethene	6.19	130	239316	19.08	ug/l	99
38) 1,2-Dichloropropane	6.44	63	220759	19.98	ug/l	98
39) Methacrylonitrile	4.55	41	69856	19.48	ug/l	91
40) Methyl acrylate	4.43	55	106959	19.78	ug/l #	96
41) Tetrahydrofuran	4.65	42	69822	32.96	ug/l	92
42) 1-Chlorobutane	5.07	56	422669	20.36	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	115169	19.97	ug/l	97
44) Bromodichloromethane	6.76	83	300324	20.55	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	653232	101.57	ug/l	96
46) t-1,4-Dichloro-2-butene	10.52	75	126208m	44.17	ug/l	
47) Methyl methacrylate	6.63	69	204627	42.43	ug/l	95
48) Ethyl methacrylate	8.02	69	204820	21.14	ug/l	96
49) Toluene	7.64	92	542285	20.84	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	277774	21.06	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	327025	20.69	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	158431	20.49	ug/l	96
53) 1,3-Dichloropropane	8.25	76	271296	20.79	ug/l	98
54) 2-Hexanone	8.37	43	465439	102.48	ug/l	97
55) Dibromochloromethane	8.48	129	217907	22.17	ug/l	99
56) 1,2-Dibromoethane	8.59	107	157287	21.02	ug/l	99
58) Tetrachloroethene	8.23	164	224478	19.91	ug/l	99
59) Chlorobenzene	9.12	112	607159	20.29	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	231504	20.84	ug/l	99
61) Pentachloroethane	11.10	117	188512	22.23	ug/l	97
62) Hexachloroethane	12.15	117	203760	23.53	ug/l	99
63) Ethyl Benzene	9.25	91	1065145	21.40	ug/l	99
64) m/p-Xylenes	9.38	106	845295	43.21	ug/l	97
65) o-Xylene	9.78	106	400831	21.50	ug/l	98
66) Styrene	9.80	104	701197	22.15	ug/l	99
67) Bromoform	9.96	173	132168	22.79	ug/l #	99
69) Isopropylbenzene	10.17	105	1077481	21.39	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	203650	20.96	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	147268m	19.45	ug/l	
72) Bromobenzene	10.45	156	273317	20.90	ug/l	94
73) n-propylbenzene	10.59	120	317337	22.36	ug/l	93
74) 2-Chlorotoluene	10.66	126	266060	21.29	ug/l	90
75) 1,3,5-Trimethylbenzene	10.77	105	955066	21.72	ug/l	100
76) 4-Chlorotoluene	10.77	126	278518	21.21	ug/l	96
77) tert-Butylbenzene	11.10	119	937469	21.62	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	994852	22.16	ug/l	99
79) sec-Butylbenzene	11.33	105	1245451	21.85	ug/l	98
80) Nitrobenzene	12.86	77	50119	169.50	ug/l #	98
81) p-Isopropyltoluene	11.48	119	1079873	22.35	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	563369	20.94	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	563975	21.50	ug/l	99
84) n-Butylbenzene	11.89	91	1030442	22.73	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	518639	21.11	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	36020	22.47	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	392460	22.95	ug/l	99
88) Hexachlorobutadiene	13.69	225	221960	21.12	ug/l	99
89) Naphthalene	13.74	128	682922	24.60	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	363481	23.26	ug/l	99

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

