

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028677.D
 Acq On : 13 Dec 2018 14:38
 Operator : MD/SY
 Sample : J6347-16MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Manual Integrations
 APPROVED

MMDadoda

12/14/2018 9:32:32 AM

Quant Time: Dec 14 06:04:17 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)
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1) Fluorobenzene	5.74	96	14067	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5389	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5160	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.21	85	51745	10.226	ug/l	100
3) Chloromethane	1.33	50	81249	9.434	ug/l	100
4) Vinyl Chloride	1.40	62	61481	10.430	ug/l	97
5) Bromomethane	1.61	94	24049	10.355	ug/l	99
6) Chloroethane	1.69	64	33851	9.837	ug/l	98
7) Trichlorofluoromethane	1.88	101	68197	10.593	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	39610	10.697	ug/l	99
9) 1,1-Dichloroethene	2.28	96	35520	10.371	ug/l	96
10) Iodomethane	2.41	142	39939	17.243	ug/l	99
11) Allyl Chloride	2.59	41	83916	9.705	ug/l	100
12) Acrylonitrile	2.94	53	22410	20.542	ug/l	96
13) Acetone	2.32	43	43998	43.521	ug/l	99
14) Carbon Disulfide	2.48	76	129805	9.978	ug/l	100
15) Methylene Chloride	2.70	84	42144	10.091	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	39113	10.204	ug/l	99
17) 1,1-Dichloroethane	3.44	63	85892	10.052	ug/l	99
18) 2-Butanone	4.28	43	77739	51.460	ug/l	100
19) Cyclohexane	4.98	56	72300	9.747	ug/l	97
20) Methylcyclohexane	6.40	83	66855	9.207	ug/l	98
21) 2,2-Dichloropropane	4.22	77	67551	9.850	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	44431	9.906	ug/l	99
23) Diethyl Ether	2.10	59	35153	10.239	ug/l	99
24) tert-Butyl Alcohol	2.84	59	35492	102.992	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	104897	10.311	ug/l	98
26) Bromochloromethane	4.55	128	16914	9.892	ug/l	97
27) Chloroform	4.67	83	77129	9.360	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	63889	9.928	ug/l	99
29) 1,1-Dichloropropene	5.13	75	59741	9.677	ug/l	99
30) Carbon Tetrachloride	5.12	117	50613	9.740	ug/l	99
31) Isopropyl Ether	3.58	45	154863	10.121	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	126510	10.038	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	101642	9.722	ug/l	100
34) Propionitrile	4.33	54	21622	56.975	ug/l #	97
35) Benzene	5.38	78	171046	9.412	ug/l	99
36) 1,2-Dichloroethane	5.40	62	54046	9.943	ug/l	99
37) Trichloroethene	6.18	130	47473	11.993	ug/l	98
38) 1,2-Dichloropropane	6.43	63	49304	9.513	ug/l	98
39) Methacrylonitrile	4.55	41	20201	9.937	ug/l	98
40) Methyl acrylate	4.43	55	29313	10.482	ug/l #	97
41) Tetrahydrofuran	4.66	42	20691	20.250	ug/l	99
42) 1-Chlorobutane	5.06	56	92973	9.474	ug/l	98

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43) Dibromomethane	6.56	93	21688	9.830	ug/l	98
44) Bromodichloromethane	6.76	83	55864	9.589	ug/l	94
45) 4-Methyl-2-Pentanone	7.48	43	177565	50.107	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	25395m	19.593	ug/l	
47) Methyl methacrylate	6.63	69	45911	20.387	ug/l	98
48) Ethyl methacrylate	8.03	69	44883	9.964	ug/l	96
49) Toluene	7.63	92	99093	9.818	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	53782	9.612	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	65123	9.425	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	31559	10.189	ug/l	99
53) 1,3-Dichloropropane	8.24	76	58008	10.026	ug/l	99
54) 2-Hexanone	8.37	43	126788	49.735	ug/l	99
55) Dibromochloromethane	8.48	129	33466	10.158	ug/l	100
56) 1,2-Dibromoethane	8.59	107	29001	10.279	ug/l	98
58) Tetrachloroethene	8.22	164	33649	9.285	ug/l	97
59) Chlorobenzene	9.12	112	104845	9.983	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	36139	10.154	ug/l	99
61) Pentachloroethane	11.10	117	32414	11.703	ug/l	99
62) Hexachloroethane	12.14	117	29200	11.251	ug/l	97
63) Ethyl Benzene	9.25	91	197279	10.180	ug/l	100
64) m/p-Xylenes	9.37	106	147812	21.077	ug/l	100
65) o-Xylene	9.78	106	70469	10.413	ug/l	98
66) Styrene	9.79	104	125374	10.801	ug/l	98
67) Bromoform	9.96	173	19211	10.404	ug/l	98
69) Isopropylbenzene	10.17	105	187542	10.349	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	45139	10.864	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	29039	10.026	ug/l #	94
72) Bromobenzene	10.45	156	43411	10.793	ug/l	99
73) n-propylbenzene	10.59	120	51303	10.916	ug/l	97
74) 2-Chlorotoluene	10.66	126	45154	10.964	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	165697	10.864	ug/l	98
76) 4-Chlorotoluene	10.77	126	44973	10.771	ug/l	99
77) tert-Butylbenzene	11.10	119	156436	10.895	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	169622	10.853	ug/l	99
79) sec-Butylbenzene	11.32	105	216548	10.818	ug/l	99
80) Nitrobenzene	12.86	77	11210	59.890	ug/l	99
81) p-Isopropyltoluene	11.48	119	172938	10.872	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	89636	11.126	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	89483	11.159	ug/l	99
84) n-Butylbenzene	11.89	91	181112	10.845	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	85269	11.119	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7125	10.660	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	56537	10.488	ug/l	99
88) Hexachlorobutadiene	13.69	225	31318	10.737	ug/l	99
89) Naphthalene	13.74	128	113376	10.642	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	54504	10.723	ug/l	99

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

