

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012821\
 Data File : VU042202.D
 Acq On : 28 Jan 2021 12:46
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

SAM
 2/3/2021 5:09:45 PM

Quant Time: Jan 29 07:37:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 07:37:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.124	96	15653	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	6057	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.205	152	6056	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	3369	0.56	ug/l	98
3) Chloromethane	1.523	50	3242	0.58	ug/l	96
4) Vinyl Chloride	1.607	62	2886	0.55	ug/l	100
5) Bromomethane	1.861	94	1448	0.43	ug/l	97
6) Chloroethane	1.938	64	1585	0.52	ug/l	99
7) Trichlorofluoromethane	2.147	101	3967	0.54	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	2044	0.51	ug/l	98
9) 1,1-Dichloroethene	2.591	96	1806	0.50	ug/l	98
10) Iodomethane	2.732	142	2549	0.52	ug/l	98
11) Allyl Chloride	2.932	41	3726	0.53	ug/l	84
12) Acrylonitrile	3.327	53	1010	1.19	ug/l	91
13) Acetone	2.642	43	1605	2.69	ug/l	99
14) Carbon Disulfide	2.803	76	6061	0.51	ug/l	97
15) Methylene Chloride	3.057	84	3016	0.74	ug/l	97
16) trans-1,2-Dichloroethene	3.362	96	2005	0.53	ug/l	94
17) 1,1-Dichloroethane	3.880	63	4216	0.56	ug/l #	84
18) 2-Butanone	4.742	43	3301	2.95	ug/l	98
19) Cyclohexane	5.391	56	4280m	0.63	ug/l	
20) Methylcyclohexane	6.771	83	4253	0.57	ug/l	98
21) 2,2-Dichloropropane	4.674	77	4216	0.57	ug/l	91
22) cis-1,2-Dichloroethene	4.681	96	2302	0.55	ug/l	97
23) Diethyl Ether	2.385	59	1479	0.50	ug/l	86
24) tert-Butyl Alcohol	3.215	59	1641m	6.93	ug/l	
25) Methyl tert-Butyl Ether	3.382	73	5860	0.56	ug/l	99
26) Bromochloromethane	4.989	128	988	0.51	ug/l	95
27) Chloroform	5.105	83	4132	0.55	ug/l	95
28) 1,1,1-Trichloroethane	5.324	97	3842	0.54	ug/l	99
29) 1,1-Dichloropropene	5.536	75	3523	0.57	ug/l	98
30) Carbon Tetrachloride	5.526	117	3385	0.52	ug/l	98
31) Isopropyl Ether	4.015	45	7883	0.57	ug/l	96
32) Ethyl-t-butyl ether	4.526	59	6851	0.55	ug/l	99
33) Tert-Amyl methyl ether	5.960	73	6578	0.57	ug/l	95
34) Propionitrile	4.809	54	798	2.79	ug/l #	63
35) Benzene	5.784	78	9347	0.55	ug/l	93
36) 1,2-Dichloroethane	5.809	62	3326	0.56	ug/l #	92
37) Trichloroethene	6.552	130	2312	0.51	ug/l	95
38) 1,2-Dichloropropane	6.803	63	2559	0.56	ug/l	97
39) Methacrylonitrile	4.996	41	1046m	0.59	ug/l	
40) Methyl acrylate	4.867	55	1204m	0.50	ug/l	
41) Tetrahydrofuran	5.092	42	796m	0.91	ug/l	
42) 1-Chlorobutane	5.465	56	5242	0.57	ug/l	87
43) Dibromomethane	6.931	93	1217	0.50	ug/l	91
44) Bromodichloromethane	7.118	83	3197	0.52	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.812	43	11233	2.97	ug/l	97
46) t-1,4-Dichloro-2-butene	10.848	75	1053m	0.79	ug/l	
47) Methyl methacrylate	6.976	69	2771	1.11	ug/l	93
48) Ethyl methacrylate	8.349	69	2884	0.57	ug/l	99
49) Toluene	7.980	92	5606	0.53	ug/l	97
50) t-1,3-Dichloropropene	8.221	75	3152	0.52	ug/l	97
51) cis-1,3-Dichloropropene	7.620	75	3544	0.52	ug/l	95
52) 1,1,2-Trichloroethane	8.410	97	1735	0.53	ug/l	95
53) 1,3-Dichloropropane	8.587	76	3211	0.54	ug/l	99
54) 2-Hexanone	8.703	43	8029	3.03	ug/l	98
55) Dibromochloromethane	8.819	129	2020	0.49	ug/l	99
56) 1,2-Dibromoethane	8.935	107	1585	0.47	ug/l	92
58) Tetrachloroethene	8.562	164	2115	0.48	ug/l	97
59) Chlorobenzene	9.455	112	6145	0.55	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.545	131	2324	0.53	ug/l	93
61) Pentachloroethane	11.436	117	1729	0.56	ug/l	98
62) Hexachloroethane	12.484	117	1634	0.49	ug/l	94
63) Ethyl Benzene	9.581	91	10997	0.54	ug/l	99
64) m/p-Xylenes	9.703	106	8417	1.11	ug/l	98
65) o-Xylene	10.108	106	4107	0.55	ug/l	95
66) Styrene	10.124	104	6868	0.55	ug/l	99
67) Bromoform	10.298	173	1304	0.49	ug/l #	84
69) Isopropylbenzene	10.494	105	10887	0.54	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	2337	0.57	ug/l #	98
71) 1,2,3-Trichloropropane	10.841	75	2170m	0.66	ug/l	
72) Bromobenzene	10.790	156	2743	0.54	ug/l	99
73) n-propylbenzene	10.915	120	2771	0.53	ug/l	92
74) 2-Chlorotoluene	10.996	126	2658	0.57	ug/l	97
75) 1,3,5-Trimethylbenzene	11.095	105	9608	0.56	ug/l	98
76) 4-Chlorotoluene	11.105	126	2502	0.52	ug/l	84
77) tert-Butylbenzene	11.430	119	9477	0.56	ug/l	97
78) 1,2,4-Trimethylbenzene	11.475	105	9452	0.56	ug/l	99
79) sec-Butylbenzene	11.652	105	12309	0.57	ug/l	97
80) Nitrobenzene	13.221	77	232	1.94	ug/l #	42
81) p-Isopropyltoluene	11.803	119	10137	0.56	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	5264	0.56	ug/l	97
83) 1,4-Dichlorobenzene	11.844	146	5335	0.58	ug/l	98
84) n-Butylbenzene	12.217	91	9770	0.61	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	5166	0.57	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.008	75	416	0.50	ug/l	89
87) 1,2,4-Trichlorobenzene	13.851	180	3707	0.60	ug/l	98
88) Hexachlorobutadiene	14.031	225	2125	0.58	ug/l	95
89) Naphthalene	14.098	128	6701	0.61	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.339	180	3241	0.56	ug/l	92

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

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