Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060321\
Data File : VU044037.D
Acq On : 03 Jun 2021 14:07
Operator : SY/MD
Sample : M2262-07 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 04 06:44:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jun 04 06:43:51 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-SOIL-01-QT2-202

Manual Integrations APPROVED
MMDadoda
6/7/2021 1:07:24 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.125	96	16522	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	4548	0.792	ug/l		0.00
Spiked Amount 1.000			Recovery =	79.000%			
68) 1,2-Dichlorobenzene-d4	12.202	152	5029	0.821	ug/l		0.00
Spiked Amount 1.000			Recovery =	82.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.392	85	1801	0.259	ug/l		96
3) Chloromethane	1.527	50	2214	0.295	ug/l		99
4) Vinyl Chloride	1.610	62	1834	0.259	ug/l		92
5) Bromomethane	1.864	94	1330	0.315	ug/l		90
6) Chloroethane	1.942	64	1361	0.315	ug/l		95
7) Trichlorofluoromethane	2.147	101	2024	0.255	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	1125	0.245	ug/l		95
9) 1,1-Dichloroethene	2.594	96	1083	0.250	ug/l		92
10) Iodomethane	2.736	142	1388	0.249	ug/l		90
11) Allyl Chloride	2.932	41	1733	0.249	ug/l		88
12) Acrylonitrile	3.327	53	296	0.335	ug/l	#	78
13) Acetone	2.646	43	691	1.242	ug/l		93
14) Carbon Disulfide	2.803	76	3888	0.261	ug/l	#	91
15) Methylene Chloride	3.057	84	4100	0.630	ug/l		98
16) trans-1,2-Dichloroethene	3.360	96	1169	0.244	ug/l		91
17) 1,1-Dichloroethane	3.877	63	2314	0.252	ug/l	#	84
18) 2-Butanone	4.742	43	1886m	1.700	ug/l		
19) Cyclohexane	5.392	56	2243	0.257	ug/l		94
20) Methylcyclohexane	6.768	83	1420	0.203	ug/l		93
21) 2,2-Dichloropropane	4.681	77	2364	0.324	ug/l	#	79
22) cis-1,2-Dichloroethene	4.681	96	1285	0.252	ug/l		94
23) Diethyl Ether	2.389	59	869	0.245	ug/l		96
24) tert-Butyl Alcohol	3.205	59	1162	2.817	ug/l	#	1
25) Methyl tert-Butyl Ether	3.385	73	2665	0.245	ug/l	#	81
26) Bromochloromethane	4.987	128	466	0.226	ug/l		87
27) Chloroform	5.099	83	2429	0.271	ug/l		93
28) 1,1,1-Trichloroethane	5.321	97	1904	0.251	ug/l		94
29) 1,1-Dichloropropene	5.533	75	1801	0.254	ug/l	#	85
30) Carbon Tetrachloride	5.527	117	1606	0.243	ug/l		99
31) Isopropyl Ether	4.019	45	3887	0.266	ug/l		99
32) Ethyl-t-butyl ether	4.527	59	3428	0.262	ug/l		92
33) Tert-Amyl methyl ether	5.964	73	2188	0.216	ug/l	#	89
34) Propionitrile	4.813	54	143	0.484	ug/l	#	55
35) Benzene	5.784	78	4976	0.242	ug/l		98
36) 1,2-Dichloroethane	5.810	62	1433	0.238	ug/l	#	74
37) Trichloroethene	6.552	130	1092	0.229	ug/l		95
38) 1,2-Dichloropropane	6.803	63	1226	0.226	ug/l		100
39) Methacrylonitrile	5.003	41	363	0.221	ug/l	#	42
40) Methyl acrylate	4.871	55	568	0.215	ug/l	#	70
41) Tetrahydrofuran	5.089	42	337	0.410	ug/l	#	41
42) 1-Chlorobutane	5.466	56	2601	0.255	ug/l		99
43) Dibromomethane	6.932	93	595	0.223	ug/l		97
44) Bromodichloromethane	7.115	83	1679	0.252	ug/l	#	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.819	43	3357	1.135 ug/l	#	83
46) t-1,4-Dichloro-2-butene	10.845	75	446m	0.339 ug/l		
47) Methyl methacrylate	6.980	69	741	0.327 ug/l	#	86
48) Ethyl methacrylate	8.347	69	736	0.178 ug/l		96
49) Toluene	7.980	92	2148	0.189 ug/l		95
50) t-1,3-Dichloropropene	8.221	75	1156	0.200 ug/l	#	78
51) cis-1,3-Dichloropropene	7.620	75	1396	0.215 ug/l	#	93
52) 1,1,2-Trichloroethane	8.411	97	881	0.229 ug/l		87
53) 1,3-Dichloropropane	8.588	76	1568	0.232 ug/l		94
54) 2-Hexanone	8.713	43	2098	1.025 ug/l		84
55) Dibromochloromethane	8.822	129	1058	0.251 ug/l		87
56) 1,2-Dibromoethane	8.935	107	743	0.218 ug/l		87
58) Tetrachloroethene	8.559	164	1056	0.239 ug/l		94
59) Chlorobenzene	9.456	112	2677	0.224 ug/l		91
60) 1,1,1,2-Tetrachloroethane	9.543	131	1047	0.231 ug/l		95
61) Pentachloroethane	11.436	117	779	0.213 ug/l		97
62) Hexachloroethane	12.481	117	781	0.215 ug/l		100
63) Ethyl Benzene	9.578	91	3509	0.178 ug/l		92
64) m/p-Xylenes	9.703	106	2582	0.330 ug/l		97
65) o-Xylene	10.105	106	1186	0.163 ug/l		85
66) Styrene	10.121	104	1966	0.153 ug/l		99
67) Bromoform	10.298	173	498	0.216 ug/l	#	86
69) Isopropylbenzene	10.491	105	3243	0.168 ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.793	83	1214	0.240 ug/l	#	91
71) 1,2,3-Trichloropropane	10.832	75	922m	0.242 ug/l		
72) Bromobenzene	10.790	156	929	0.191 ug/l		84
73) n-propylbenzene	10.912	120	888	0.165 ug/l		88
74) 2-Chlorotoluene	10.996	126	848	0.175 ug/l		92
75) 1,3,5-Trimethylbenzene	11.096	105	2687	0.155 ug/l		100
76) 4-Chlorotoluene	11.108	126	871	0.166 ug/l		94
77) tert-Butylbenzene	11.430	119	2934	0.178 ug/l		96
78) 1,2,4-Trimethylbenzene	11.475	105	2652	0.149 ug/l		96
79) sec-Butylbenzene	11.652	105	3791	0.163 ug/l		94
80) Nitrobenzene	13.221	77	197	1.304 ug/l	#	43
81) p-Isopropyltoluene	11.800	119	2799	0.149 ug/l		95
82) 1,3-Dichlorobenzene	11.755	146	2206	0.208 ug/l		94
83) 1,4-Dichlorobenzene	11.845	146	2128	0.201 ug/l		98
84) n-Butylbenzene	12.218	91	3057	0.164 ug/l		96
85) 1,2-Dichlorobenzene	12.221	146	2193	0.217 ug/l		95
86) 1,2-Dibromo-3-Chloropr...	13.006	75	159	0.207 ug/l	#	50
87) 1,2,4-Trichlorobenzene	13.848	180	1346	0.226 ug/l		94
88) Hexachlorobutadiene	14.028	225	911	0.235 ug/l		89
89) Naphthalene	14.095	128	2527	0.246 ug/l	#	92
90) 1,2,3-Trichlorobenzene	14.340	180	1200	0.209 ug/l		94

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

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