Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090624\
Data File : VU060646.D
Acq On : 06 Sep 2024 17:09
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090624

Quant Time: Sep 07 01:39:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U090624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 07 01:38:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	37925	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15455	1.112	ug/l	0.00
Spiked Amount 1.000			Recovery = 111.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	15179	1.091	ug/l	0.00
Spiked Amount 1.000			Recovery = 109.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	68037	4.252	ug/l	98
3) Chloromethane	1.515	50	94881	6.102	ug/l	99
4) Vinyl Chloride	1.599	62	101112	6.544	ug/l	99
5) Bromomethane	1.853	94	69152	7.195	ug/l	99
6) Chloroethane	1.930	64	65050	7.277	ug/l	99
7) Trichlorofluoromethane	2.132	101	167560	7.490	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	84998	8.751	ug/l	98
9) 1,1-Dichloroethene	2.573	96	83543	8.425	ug/l	99
10) Iodomethane	2.714	142	105018	8.020	ug/l	97
11) Allyl Chloride	2.917	41	120290	9.496	ug/l	97
12) Acrylonitrile	3.322	53	96191	46.107	ug/l	92
13) Acetone	2.647	43	96980	26.081	ug/l	97
14) Carbon Disulfide	2.788	76	218172	6.668	ug/l	99
15) Methylene Chloride	3.039	84	101052	7.416	ug/l	97
16) trans-1,2-Dichloroethene	3.345	96	87951	8.412	ug/l	98
17) 1,1-Dichloroethane	3.859	63	181698	9.212	ug/l	98
18) 2-Butanone	4.711	43	123095	30.396	ug/l	99
19) Cyclohexane	5.380	56	127986m	8.296	ug/l	
20) Methylcyclohexane	6.756	83	138597	7.556	ug/l	98
21) 2,2-Dichloropropane	4.653	77	150170	9.356	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	107179	9.874	ug/l	99
23) Diethyl Ether	2.370	59	63952	8.084	ug/l	99
24) tert-Butyl Alcohol	3.264	59	37200m	50.465	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	214742	9.791	ug/l	99
26) Bromochloromethane	4.965	128	46938	9.351	ug/l	98
27) Chloroform	5.078	83	192085	9.230	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	162871	8.872	ug/l	100
29) 1,1-Dichloropropene	5.518	75	122857	8.802	ug/l	99
30) Carbon Tetrachloride	5.515	117	146704	8.912	ug/l	96
31) Isopropyl Ether	3.981	45	282582	11.294	ug/l #	1
34) Propionitrile	4.792	54	79242m	90.751	ug/l	
35) Benzene	5.766	78	392006	9.240	ug/l	99
36) 1,2-Dichloroethane	5.785	62	112706	8.786	ug/l	100
37) Trichloroethene	6.534	130	94851	8.325	ug/l	97
38) 1,2-Dichloropropane	6.782	63	101201	8.887	ug/l	99
39) Methacrylonitrile	4.975	41	27634	8.923	ug/l	94
40) Methyl acrylate	4.846	55	50202	8.345	ug/l	98
41) Tetrahydrofuran	5.058	42	71201	44.488	ug/l	97
42) 1-Chlorobutane	5.451	56	183099	9.654	ug/l	96
43) Dibromomethane	6.910	93	52635	9.230	ug/l	98
44) Bromodichloromethane	7.097	83	141178	9.816	ug/l	98
45) 4-Methyl-2-Pentanone	7.785	43	281137	50.162	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	46309m	14.626	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.955	69	44015	8.539	ug/l	95
48) Ethyl methacrylate	8.325	69	88847	8.974	ug/l	99
49) Toluene	7.962	92	239348	9.737	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	121702	9.839	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	139566	9.373	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	72348	9.312	ug/l	98
53) 1,3-Dichloropropane	8.566	76	124343	9.311	ug/l	99
54) 2-Hexanone	8.679	43	218318	34.034	ug/l	98
55) Dibromochloromethane	8.801	129	94666	9.866	ug/l	98
56) 1,2-Dibromoethane	8.917	107	65331	9.197	ug/l	98
58) Tetrachloroethene	8.547	164	95062	8.891	ug/l	97
59) Chlorobenzene	9.441	112	265448	9.608	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	99140	9.572	ug/l	97
61) Pentachloroethane	11.418	117	79751	9.778	ug/l	96
62) Hexachloroethane	12.466	117	81997	10.131	ug/l	98
63) Ethyl Benzene	9.563	91	466801	8.948	ug/l	99
64) m/p-Xylenes	9.685	106	373063	18.156	ug/l	100
65) o-Xylene	10.094	106	177591	8.982	ug/l	99
66) Styrene	10.106	104	307204	9.461	ug/l	99
67) Bromoform	10.283	173	54891	10.154	ug/l	99
69) Isopropylbenzene	10.476	105	478576	9.281	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	91064	9.450	ug/l	97
71) 1,2,3-Trichloropropane	10.814	75	69563m	8.347	ug/l	
72) Bromobenzene	10.775	156	113806	10.350	ug/l	99
73) n-propylbenzene	10.897	120	130391	9.044	ug/l	94
74) 2-Chlorotoluene	10.978	126	116851	9.273	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	419939	9.166	ug/l	99
76) 4-Chlorotoluene	11.090	126	120523	9.230	ug/l	99
77) tert-Butylbenzene	11.412	119	398387	9.273	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	418843	8.914	ug/l	100
79) sec-Butylbenzene	11.634	105	517283	9.091	ug/l	99
80) Nitrobenzene	13.212	77	2918m	12.012	ug/l	
81) p-Isopropyltoluene	11.785	119	448114	9.192	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	229697	10.179	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	227160	10.082	ug/l	99
84) n-Butylbenzene	12.200	91	402058	8.921	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	211350	10.028	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	14366	8.794	ug/l	92
87) 1,2,4-Trichlorobenzene	13.833	180	137902	9.603	ug/l	99
88) Hexachlorobutadiene	14.013	225	81159	9.415	ug/l	98
89) Naphthalene	14.081	128	197937	9.092	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	116581	9.231	ug/l	99

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

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