Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081722\
Data File : VU050354.D
Acq On : 17 Aug 2022 11:41
Operator : SY/MD
Sample : VSTDICC015
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Quant Time: Aug 17 12:02:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 17 11:51:32 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	45109	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	16110	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	17893	1.176	ug/l	0.00
Spiked Amount 1.000			Recovery = 118.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	260924	15.104	ug/l	100
3) Chloromethane	1.520	50	283802	16.061	ug/l	98
4) Vinyl Chloride	1.604	62	279064	17.322	ug/l	99
5) Bromomethane	1.855	94	115441	13.740	ug/l	98
6) Chloroethane	1.932	64	163743	18.149	ug/l	99
7) Trichlorofluoromethane	2.138	101	327597	16.967	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	179827	17.724	ug/l	96
9) 1,1-Dichloroethene	2.581	96	183481	17.939	ug/l	98
10) Iodomethane	2.723	142	201835	15.557	ug/l	98
11) Allyl Chloride	2.922	41	285418	16.364	ug/l	95
12) Acrylonitrile	3.321	53	111687	40.843	ug/l	93
13) Acetone	2.633	43	188717	87.462	ug/l	94
14) Carbon Disulfide	2.790	76	596287	17.707	ug/l	99
15) Methylene Chloride	3.044	84	215703	16.841	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	193823	18.045	ug/l	98
17) 1,1-Dichloroethane	3.867	63	385548	17.359	ug/l	99
18) 2-Butanone	4.726	43	329145	89.495	ug/l	99
19) Cyclohexane	5.379	56	274764m	12.944	ug/l	
20) Methylcyclohexane	6.758	83	294776	14.088	ug/l	99
21) 2,2-Dichloropropane	4.658	77	300609	16.540	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	218752	16.514	ug/l	98
23) Diethyl Ether	2.379	59	160444	18.414	ug/l #	86
24) tert-Butyl Alcohol	3.215	59	215536	216.821	ug/l	99
25) Methyl tert-Butyl Ether	3.369	73	503966	17.621	ug/l	95
26) Bromochloromethane	4.970	128	97282	17.444	ug/l	96
27) Chloroform	5.086	83	369958	16.927	ug/l	97
28) 1,1,1-Trichloroethane	5.308	97	303659	15.754	ug/l	100
29) 1,1-Dichloropropene	5.520	75	264537	15.368	ug/l	99
30) Carbon Tetrachloride	5.517	117	249892	15.397	ug/l	96
31) Isopropyl Ether	4.002	45	606349	15.919	ug/l	98
32) Ethyl-t-butyl ether	4.514	59	529486	14.686	ug/l	99
33) Tert-Amyl methyl ether	5.954	73	391568	12.492	ug/l	99
34) Propionitrile	4.797	54	107122	101.578	ug/l	98
35) Benzene	5.771	78	807591	16.465	ug/l	98
36) 1,2-Dichloroethane	5.797	62	237950	17.061	ug/l	99
37) Trichloroethene	6.539	130	196075	15.817	ug/l	98
38) 1,2-Dichloropropane	6.793	63	222305	17.119	ug/l	98
39) Methacrylonitrile	4.983	41	69821	15.453	ug/l	94
40) Methyl acrylate	4.858	55	135594	19.162	ug/l	99
41) Tetrahydrofuran	5.076	42	73203	27.406	ug/l	96
42) 1-Chlorobutane	5.453	56	361722	14.985	ug/l	96
43) Dibromomethane	6.919	93	117227	18.118	ug/l	97
44) Bromodichloromethane	7.108	83	277527	17.895	ug/l	97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Aug 17 11:51:32 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	715665	81.497	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	92469m	32.357	ug/l	
47) Methyl methacrylate	6.970	69	228956	35.093	ug/l	92
48) Ethyl methacrylate	8.340	69	209203	15.983	ug/l	91
49) Toluene	7.967	92	503362	16.805	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	253500	16.924	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	288278	16.239	ug/l	94
52) 1,1,2-Trichloroethane	8.401	97	168032	18.818	ug/l	99
53) 1,3-Dichloropropane	8.578	76	284649	17.760	ug/l	99
54) 2-Hexanone	8.694	43	501936	82.301	ug/l	97
55) Dibromochloromethane	8.809	129	189768	18.605	ug/l	100
56) 1,2-Dibromoethane	8.925	107	158954	18.383	ug/l	99
58) Tetrachloroethene	8.552	164	181918	17.649	ug/l	99
59) Chlorobenzene	9.446	112	521488	16.642	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	195234	17.517	ug/l	98
61) Pentachloroethane	11.427	117	161518	18.874	ug/l	98
62) Hexachloroethane	12.475	117	140729	16.418	ug/l	100
63) Ethyl Benzene	9.568	91	949748	16.840	ug/l	99
64) m/p-Xylenes	9.694	106	744027	35.662	ug/l	98
65) o-Xylene	10.099	106	345832	16.866	ug/l	99
66) Styrene	10.115	104	611536	18.563	ug/l	98
67) Bromoform	10.292	173	111518	19.160	ug/l	100
69) Isopropylbenzene	10.485	105	915833	16.722	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	237618	20.483	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	188895m	19.668	ug/l	
72) Bromobenzene	10.780	156	223703	18.126	ug/l	98
73) n-propylbenzene	10.906	120	249091	18.023	ug/l	100
74) 2-Chlorotoluene	10.986	126	225627	18.309	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	812337	17.743	ug/l	100
76) 4-Chlorotoluene	11.095	126	227272	18.389	ug/l	90
77) tert-Butylbenzene	11.420	119	764849	16.966	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	824260	17.933	ug/l	96
79) sec-Butylbenzene	11.642	105	1051523	17.783	ug/l	99
80) Nitrobenzene	13.208	77	72711	153.212	ug/l	96
81) p-Isopropyltoluene	11.793	119	870623	18.150	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	457346	19.157	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	462632	19.203	ug/l	98
84) n-Butylbenzene	12.208	91	830065	18.581	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	453105	19.591	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	40085	19.814	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	299692	19.208	ug/l	98
88) Hexachlorobutadiene	14.021	225	158257	19.901	ug/l	99
89) Naphthalene	14.086	128	695797	21.268	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	308597	20.712	ug/l	99

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

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