Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
Data File : VU057803.D
Acq On : 05 Feb 2024 12:13
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 01:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 06 00:58:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	42868	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	15931	1.001	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	14049	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	12602	0.884	ug/l	97
3) Chloromethane	1.518	50	11981	0.871	ug/l	97
4) Vinyl Chloride	1.602	62	12318	0.881	ug/l	99
5) Bromomethane	1.856	94	7808	0.954	ug/l	91
6) Chloroethane	1.930	64	8408	0.955	ug/l	100
7) Trichlorofluoromethane	2.136	101	18461	0.901	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	8995	0.821	ug/l	94
9) 1,1-Dichloroethene	2.576	96	9042	0.856	ug/l	97
10) Iodomethane	2.717	142	15023	1.169	ug/l	97
11) Allyl Chloride	2.917	41	13831	0.947	ug/l	89
12) Acrylonitrile	3.316	53	3810	2.039	ug/l #	91
13) Acetone	2.634	43	19690	6.059	ug/l	99
14) Carbon Disulfide	2.788	76	29068	0.858	ug/l	97
15) Methylene Chloride	3.039	84	13342	1.052	ug/l	95
16) trans-1,2-Dichloroethene	3.344	96	10237	0.888	ug/l	92
17) 1,1-Dichloroethane	3.859	63	19830	0.901	ug/l	99
18) 2-Butanone	4.714	43	18649	5.245	ug/l	100
19) Cyclohexane	5.377	56	15739	0.909	ug/l	91
20) Methylcyclohexane	6.756	83	17338	0.838	ug/l	99
21) 2,2-Dichloropropane	4.653	77	18502	0.953	ug/l	94
22) cis-1,2-Dichloroethene	4.660	96	10677	0.848	ug/l	89
23) Diethyl Ether	2.370	59	6806	0.881	ug/l	96
24) tert-Butyl Alcohol	3.209	59	7263	9.188	ug/l #	1
25) Methyl tert-Butyl Ether	3.357	73	24095	0.960	ug/l	92
26) Bromochloromethane	4.968	128	4514	0.893	ug/l	95
27) Chloroform	5.081	83	20236	0.891	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	18075	0.885	ug/l	98
29) 1,1-Dichloropropene	5.515	75	14992	0.903	ug/l	93
30) Carbon Tetrachloride	5.515	117	15404	0.873	ug/l	96
31) Isopropyl Ether	3.988	45	30511	0.938	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	30435	1.008	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	25069	0.985	ug/l	97
34) Propionitrile	4.788	54	3813	5.192	ug/l #	8
35) Benzene	5.766	78	42208	0.882	ug/l	95
36) 1,2-Dichloroethane	5.791	62	12225	0.874	ug/l	96
37) Trichloroethene	6.537	130	10523	0.832	ug/l	98
38) 1,2-Dichloropropane	6.788	63	11329	0.908	ug/l	99
39) Methacrylonitrile	4.975	41	3077	1.024	ug/l	96
40) Methyl acrylate	4.852	55	4495	1.000	ug/l #	92
41) Tetrahydrofuran	5.068	42	3507	2.219	ug/l	92
42) 1-Chlorobutane	5.451	56	20104	0.917	ug/l	95
43) Dibromomethane	6.917	93	5096	0.892	ug/l #	86
44) Bromodichloromethane	7.103	83	14051	0.879	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	28206	4.813 ug/l	97
46) t-1,4-Dichloro-2-butene	10.839	75	2524m	1.528 ug/l	
47) Methyl methacrylate	6.971	69	9142	1.799 ug/l	93
48) Ethyl methacrylate	8.335	69	9334	0.923 ug/l	89
49) Toluene	7.965	92	25762	0.882 ug/l	97
50) t-1,3-Dichloropropene	8.209	75	12287	0.885 ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	15475	0.884 ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	6907	0.874 ug/l	92
53) 1,3-Dichloropropane	8.573	76	12910	0.906 ug/l	99
54) 2-Hexanone	8.688	43	26804	4.835 ug/l	98
55) Dibromochloromethane	8.804	129	8286	0.852 ug/l	97
56) 1,2-Dibromoethane	8.920	107	6962	0.960 ug/l	92
58) Tetrachloroethene	8.547	164	9744	0.873 ug/l	96
59) Chlorobenzene	9.444	112	28135	0.876 ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	9403	0.859 ug/l	98
61) Pentachloroethane	11.421	117	7023	0.893 ug/l	96
62) Hexachloroethane	12.470	117	7967	0.917 ug/l	93
63) Ethyl Benzene	9.563	91	49729	0.869 ug/l	98
64) m/p-Xylenes	9.688	106	36593	1.763 ug/l	100
65) o-Xylene	10.097	106	17953	0.874 ug/l	95
66) Styrene	10.113	104	27172	0.885 ug/l	95
67) Bromoform	10.286	173	4131	0.835 ug/l	98
69) Isopropylbenzene	10.479	105	47221	0.878 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	8445	0.864 ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	7571m	0.945 ug/l	
72) Bromobenzene	10.778	156	10497	0.893 ug/l	98
73) n-propylbenzene	10.900	120	12380	0.912 ug/l	99
74) 2-Chlorotoluene	10.981	126	10744	0.861 ug/l	94
75) 1,3,5-Trimethylbenzene	11.084	105	39453	0.852 ug/l	100
76) 4-Chlorotoluene	11.093	126	10626	0.845 ug/l	93
77) tert-Butylbenzene	11.415	119	37726	0.867 ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	41102	0.876 ug/l	96
79) sec-Butylbenzene	11.637	105	51188	0.912 ug/l	99
80) Nitrobenzene	13.206	77	1192	5.860 ug/l	77
81) p-Isopropyltoluene	11.788	119	41697	0.889 ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	20652	0.867 ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	20701	0.887 ug/l	98
84) n-Butylbenzene	12.203	91	38803	0.871 ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	19482	0.895 ug/l	94
86) 1,2-Dibromo-3-Chloropr...	12.990	75	1282	0.939 ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	11396	0.882 ug/l	95
88) Hexachlorobutadiene	14.016	225	7317	0.880 ug/l	100
89) Naphthalene	14.084	128	19640	0.983 ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	10359	0.953 ug/l	99

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

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