Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
Data File : VU057802.D
Acq On : 05 Feb 2024 11:18
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 01:01:13 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 :
VSTDICC0.5

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	43909	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15651	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery = 96.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13600	0.931	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	6577	0.450	ug/l	97
3) Chloromethane	1.518	50	6957	0.494	ug/l	100
4) Vinyl Chloride	1.602	62	6550	0.457	ug/l	95
5) Bromomethane	1.856	94	4261	0.508	ug/l	95
6) Chloroethane	1.933	64	4114	0.456	ug/l	100
7) Trichlorofluoromethane	2.136	101	10334	0.492	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	5202	0.463	ug/l	96
9) 1,1-Dichloroethene	2.580	96	5148	0.476	ug/l	89
11) Allyl Chloride	2.924	41	7862	0.526	ug/l	95
12) Acrylonitrile	3.345	53	1770m	0.925	ug/l	
13) Acetone	2.657	43	14031	4.215	ug/l	93
14) Carbon Disulfide	2.792	76	16621	0.479	ug/l	100
15) Methylene Chloride	3.043	84	7765	0.597	ug/l	96
16) trans-1,2-Dichloroethene	3.354	96	5190	0.440	ug/l	90
17) 1,1-Dichloroethane	3.862	63	10312	0.457	ug/l	94
18) 2-Butanone	4.743	43	9157	2.514	ug/l	92
19) Cyclohexane	5.380	56	8238	0.464	ug/l	91
20) Methylcyclohexane	6.756	83	9609	0.453	ug/l	99
21) 2,2-Dichloropropane	4.660	77	9411	0.473	ug/l	99
22) cis-1,2-Dichloroethene	4.669	96	6339	0.492	ug/l	95
23) Diethyl Ether	2.374	59	3940	0.498	ug/l	95
25) Methyl tert-Butyl Ether	3.358	73	12207	0.475	ug/l #	90
26) Bromochloromethane	4.968	128	2258	0.436	ug/l	94
27) Chloroform	5.081	83	10332	0.444	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	10051	0.480	ug/l	99
29) 1,1-Dichloropropene	5.525	75	7692	0.452	ug/l	96
30) Carbon Tetrachloride	5.518	117	8035	0.445	ug/l	98
31) Isopropyl Ether	3.985	45	15675	0.470	ug/l	98
32) Ethyl-t-butyl ether	4.493	59	16012	0.518	ug/l	96
33) Tert-Amyl methyl ether	5.933	73	13114	0.503	ug/l	97
34) Propionitrile	4.833	54	1259	1.674	ug/l #	1
35) Benzene	5.772	78	23533	0.480	ug/l	98
36) 1,2-Dichloroethane	5.795	62	6552	0.458	ug/l #	82
37) Trichloroethene	6.541	130	6217	0.480	ug/l	99
38) 1,2-Dichloropropane	6.785	63	5773	0.451	ug/l	94
39) Methacrylonitrile	4.997	41	1344m	0.436	ug/l	
40) Methyl acrylate	4.885	55	2602m	0.565	ug/l	
41) Tetrahydrofuran	5.078	42	1254	0.775	ug/l #	86
42) 1-Chlorobutane	5.454	56	10523	0.469	ug/l	96
43) Dibromomethane	6.920	93	2557	0.437	ug/l	92
44) Bromodichloromethane	7.103	83	7151	0.437	ug/l	89
45) 4-Methyl-2-Pentanone	7.788	43	14647	2.440	ug/l	96
46) t-1,4-Dichloro-2-butene	10.840	75	1590m	0.940	ug/l	

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Methyl methacrylate	6.968	69	4557	0.876 ug/l #	88
48) Ethyl methacrylate	8.332	69	4885	0.472 ug/l	97
49) Toluene	7.968	92	13336	0.446 ug/l	97
50) t-1,3-Dichloropropene	8.210	75	6288	0.442 ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	8432	0.470 ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	3794	0.469 ug/l	92
53) 1,3-Dichloropropane	8.573	76	6798	0.466 ug/l	95
54) 2-Hexanone	8.685	43	14635	2.577 ug/l	93
55) Dibromochloromethane	8.808	129	4358	0.437 ug/l	89
56) 1,2-Dibromoethane	8.920	107	3033	0.408 ug/l	90
58) Tetrachloroethene	8.550	164	5041	0.441 ug/l	91
59) Chlorobenzene	9.444	112	14549	0.442 ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	4744	0.423 ug/l	99
61) Pentachloroethane	11.418	117	3309	0.411 ug/l #	80
62) Hexachloroethane	12.470	117	3767	0.423 ug/l	95
63) Ethyl Benzene	9.566	91	26711	0.456 ug/l	98
64) m/p-Xylenes	9.692	106	18752	0.882 ug/l	93
65) o-Xylene	10.097	106	9533	0.453 ug/l	91
66) Styrene	10.113	104	14435	0.459 ug/l	94
67) Bromoform	10.290	173	1886	0.372 ug/l #	96
69) Isopropylbenzene	10.480	105	25572	0.464 ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.775	83	4318	0.431 ug/l #	95
71) 1,2,3-Trichloropropane	10.820	75	3809m	0.464 ug/l	
72) Bromobenzene	10.782	156	5475	0.455 ug/l	98
73) n-propylbenzene	10.901	120	6171	0.444 ug/l	94
74) 2-Chlorotoluene	10.981	126	5952	0.466 ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	21156	0.446 ug/l	98
76) 4-Chlorotoluene	11.094	126	5709	0.443 ug/l	90
77) tert-Butylbenzene	11.412	119	20932	0.470 ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	21809	0.454 ug/l	99
79) sec-Butylbenzene	11.637	105	26787	0.466 ug/l	98
80) Nitrobenzene	13.216	77	489	2.347 ug/l #	55
81) p-Isopropyltoluene	11.788	119	21443	0.447 ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	11133	0.456 ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	10915	0.457 ug/l	98
84) n-Butylbenzene	12.206	91	20322	0.446 ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	10331	0.464 ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	744	0.532 ug/l #	75
87) 1,2,4-Trichlorobenzene	13.840	180	5821	0.440 ug/l #	95
88) Hexachlorobutadiene	14.013	225	3859	0.453 ug/l	92
90) 1,2,3-Trichlorobenzene	14.325	180	5138	0.462 ug/l	99

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

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