Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
Data File : VU057818.D
Acq On : 06 Feb 2024 13:07
Operator : MD/SY
Sample : P1187-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 07 03:55:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Feb 07 03:54:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

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	6.107	96	42571	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14857	0.951	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	13115	0.949	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	14441	1.037	ug/l	94
3) Chloromethane	1.518	50	14730	1.102	ug/l	98
4) Vinyl Chloride	1.602	62	14631	1.060	ug/l	97
5) Bromomethane	1.856	94	9183	1.102	ug/l	95
6) Chloroethane	1.930	64	9495	1.069	ug/l	98
7) Trichlorofluoromethane	2.129	101	22665	1.085	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	10915	1.045	ug/l	95
9) 1,1-Dichloroethene	2.570	96	10643	1.039	ug/l	96
10) Iodomethane	2.715	142	15909	0.966	ug/l	88
11) Allyl Chloride	2.914	41	17409	1.113	ug/l	99
12) Acrylonitrile	3.319	53	4886	2.259	ug/l	97
13) Acetone	2.644	43	21432	5.060	ug/l	89
14) Carbon Disulfide	2.782	76	32885	1.004	ug/l	97
15) Methylene Chloride	3.036	84	17453	1.327	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	11331	1.019	ug/l	97
17) 1,1-Dichloroethane	3.859	63	23533	1.053	ug/l	99
18) 2-Butanone	4.724	43	23798	5.604	ug/l	95
19) Cyclohexane	5.374	56	18171	1.035	ug/l	94
20) Methylcyclohexane	6.753	83	20703	1.019	ug/l	97
21) 2,2-Dichloropropane	4.653	77	21344	1.061	ug/l	96
22) cis-1,2-Dichloroethene	4.657	96	12391	1.012	ug/l	86
23) Diethyl Ether	2.370	59	9175	1.160	ug/l	97
24) tert-Butyl Alcohol	3.248	59	4681m	8.160	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	28005	1.073	ug/l	96
26) Bromochloromethane	4.968	128	4846	1.017	ug/l	86
27) Chloroform	5.078	83	23702	1.063	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	20686	1.025	ug/l	99
29) 1,1-Dichloropropene	5.515	75	16688	1.006	ug/l	97
30) Carbon Tetrachloride	5.512	117	17238	0.996	ug/l	100
31) Isopropyl Ether	3.988	45	36659	1.069	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	35798	1.061	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	29474	1.043	ug/l	99
34) Propionitrile	4.804	54	4643m	5.858	ug/l	
35) Benzene	5.766	78	49284	1.037	ug/l	99
36) 1,2-Dichloroethane	5.792	62	14821	1.067	ug/l	99
37) Trichloroethene	6.537	130	12120	0.991	ug/l	98
38) 1,2-Dichloropropane	6.788	63	12781	1.017	ug/l	99
39) Methacrylonitrile	4.978	41	3643	1.055	ug/l	96
40) Methyl acrylate	4.853	55	6157	1.070	ug/l #	89
41) Tetrahydrofuran	5.065	42	3558	2.068	ug/l	95
42) 1-Chlorobutane	5.448	56	23087	1.048	ug/l	97
43) Dibromomethane	6.914	93	6013	1.042	ug/l	90
44) Bromodichloromethane	7.100	83	15815	1.009	ug/l	99

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	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.798	43	32767	5.081 ug/l		98
46)	t-1,4-Dichloro-2-butene	10.840	75	3001m	1.735 ug/l		
47)	Methyl methacrylate	6.968	69	10980	2.076 ug/l		93
48)	Ethyl methacrylate	8.335	69	10535	0.993 ug/l		97
49)	Toluene	7.965	92	29497	1.027 ug/l		94
50)	t-1,3-Dichloropropene	8.209	75	13408	0.940 ug/l		98
51)	cis-1,3-Dichloropropene	7.605	75	17434	0.980 ug/l		95
52)	1,1,2-Trichloroethane	8.396	97	8490	1.069 ug/l		96
53)	1,3-Dichloropropane	8.573	76	14673	1.018 ug/l		99
54)	2-Hexanone	8.692	43	31514	5.047 ug/l		99
55)	Dibromochloromethane	8.804	129	9069	0.956 ug/l		97
56)	1,2-Dibromoethane	8.923	107	7448	1.001 ug/l		97
58)	Tetrachloroethene	8.547	164	10959	1.033 ug/l		96
59)	Chlorobenzene	9.444	112	31657	1.002 ug/l		98
60)	1,1,1,2-Tetrachloroethane	9.528	131	10982	1.014 ug/l		95
61)	Pentachloroethane	11.418	117	8104	1.015 ug/l		95
62)	Hexachloroethane	12.470	117	8855	0.957 ug/l		92
63)	Ethyl Benzene	9.566	91	56251	0.990 ug/l		99
64)	m/p-Xylenes	9.688	106	41637	1.999 ug/l		99
65)	o-Xylene	10.094	106	20632	0.997 ug/l		93
66)	Styrene	10.113	104	30890	0.967 ug/l		95
67)	Bromoform	10.290	173	4529	0.949 ug/l	#	96
69)	Isopropylbenzene	10.479	105	53417	0.973 ug/l		100
70)	1,1,2,2-Tetrachloroethane	10.778	83	9527	0.996 ug/l		98
71)	1,2,3-Trichloropropane	10.823	75	8423m	0.997 ug/l		
72)	Bromobenzene	10.778	156	11720	0.997 ug/l		81
73)	n-propylbenzene	10.901	120	13950	0.974 ug/l		99
74)	2-Chlorotoluene	10.981	126	12407	0.992 ug/l		89
75)	1,3,5-Trimethylbenzene	11.084	105	44355	0.956 ug/l		99
76)	4-Chlorotoluene	11.094	126	12469	0.990 ug/l		96
77)	tert-Butylbenzene	11.415	119	43352	0.970 ug/l		96
78)	1,2,4-Trimethylbenzene	11.463	105	45505	0.970 ug/l		100
79)	sec-Butylbenzene	11.637	105	55361	0.938 ug/l		99
80)	Nitrobenzene	13.212	77	802	3.060 ug/l	#	86
81)	p-Isopropyltoluene	11.788	119	45746	0.942 ug/l		97
82)	1,3-Dichlorobenzene	11.743	146	23489	0.999 ug/l		97
83)	1,4-Dichlorobenzene	11.833	146	23180	0.995 ug/l		98
84)	n-Butylbenzene	12.203	91	42670	0.921 ug/l		98
85)	1,2-Dichlorobenzene	12.209	146	21171	0.970 ug/l		99
86)	1,2-Dibromo-3-Chloropr...	12.994	75	1479	0.926 ug/l		93
87)	1,2,4-Trichlorobenzene	13.836	180	11843	0.888 ug/l		90
88)	Hexachlorobutadiene	14.016	225	8170	0.978 ug/l		100
89)	Naphthalene	14.087	128	19661	0.842 ug/l		99
90)	1,2,3-Trichlorobenzene	14.325	180	10150	0.887 ug/l		97

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

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