Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
Data File : VU057777.D
Acq On : 01 Feb 2024 14:43
Operator : MD/SY
Sample : P1187-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 02 01:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 02 01:21:28 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	41590	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13747	0.873	ug/l	0.00
Spiked Amount 1.000			Recovery = 87.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13823	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	6146	0.444	ug/l	99
3) Chloromethane	1.518	50	6073	0.457	ug/l	96
4) Vinyl Chloride	1.602	62	6091	0.450	ug/l	94
5) Bromomethane	1.856	94	4047	0.503	ug/l #	77
6) Chloroethane	1.930	64	3826	0.447	ug/l	98
7) Trichlorofluoromethane	2.136	101	8866	0.427	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4939	0.463	ug/l	95
9) 1,1-Dichloroethene	2.576	96	4895	0.474	ug/l	82
10) Iodomethane	2.718	142	5048	0.412	ug/l	93
11) Allyl Chloride	2.920	41	6115	0.436	ug/l #	81
12) Acrylonitrile	3.345	53	1480m	0.839	ug/l	
13) Acetone	2.660	43	7513	2.353	ug/l	99
14) Carbon Disulfide	2.788	76	14945	0.452	ug/l	99
15) Methylene Chloride	3.042	84	6604	0.535	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	4560	0.404	ug/l	98
17) 1,1-Dichloroethane	3.862	63	9241	0.434	ug/l	99
18) 2-Butanone	4.753	43	8354m	2.428	ug/l	
19) Cyclohexane	5.377	56	7768	0.465	ug/l	93
20) Methylcyclohexane	6.759	83	8422	0.417	ug/l	98
21) 2,2-Dichloropropane	4.653	77	8182	0.432	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	5650	0.457	ug/l	99
23) Diethyl Ether	2.374	59	3265	0.438	ug/l	90
24) tert-Butyl Alcohol	3.271	59	4115m	4.853	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	11132	0.459	ug/l	93
26) Bromochloromethane	4.972	128	1960	0.395	ug/l	88
27) Chloroform	5.081	83	9918	0.448	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	8780	0.439	ug/l	96
29) 1,1-Dichloropropene	5.525	75	7274	0.450	ug/l	93
30) Carbon Tetrachloride	5.518	117	7150	0.415	ug/l	98
31) Isopropyl Ether	3.988	45	14605	0.468	ug/l	100
32) Ethyl-t-butyl ether	4.492	59	12467	0.431	ug/l	96
33) Tert-Amyl methyl ether	5.936	73	11107	0.456	ug/l	97
34) Propionitrile	4.862	54	924m	1.296	ug/l	
35) Benzene	5.772	78	20462	0.439	ug/l	95
36) 1,2-Dichloroethane	5.791	62	5806	0.428	ug/l #	83
37) Trichloroethene	6.537	130	5725	0.463	ug/l	87
38) 1,2-Dichloropropane	6.788	63	5199	0.430	ug/l	100
39) Methacrylonitrile	5.000	41	1200m	0.422	ug/l	
40) Methyl acrylate	4.894	55	1875m	0.438	ug/l	
41) Tetrahydrofuran	5.078	42	1001	0.660	ug/l #	77
42) 1-Chlorobutane	5.454	56	8767	0.411	ug/l	98
43) Dibromomethane	6.917	93	2481	0.447	ug/l	88
44) Bromodichloromethane	7.103	83	6609	0.425	ug/l	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.795	43	12510	2.113	ug/l		98
46)	t-1,4-Dichloro-2-butene	10.843	75	1040m	0.773	ug/l		
47)	Methyl methacrylate	6.965	69	3261	0.665	ug/l	#	71
48)	Ethyl methacrylate	8.338	69	3691	0.375	ug/l		91
49)	Toluene	7.968	92	11801	0.415	ug/l		97
50)	t-1,3-Dichloropropene	8.213	75	5128	0.382	ug/l		93
51)	cis-1,3-Dichloropropene	7.608	75	7242	0.426	ug/l	#	87
52)	1,1,2-Trichloroethane	8.396	97	2976	0.389	ug/l	#	95
53)	1,3-Dichloropropane	8.573	76	5552	0.404	ug/l		94
54)	2-Hexanone	8.692	43	10626	1.950	ug/l		99
55)	Dibromochloromethane	8.804	129	3611	0.381	ug/l		95
56)	1,2-Dibromoethane	8.920	107	2941	0.417	ug/l		98
58)	Tetrachloroethene	8.550	164	4784	0.438	ug/l		91
59)	Chlorobenzene	9.444	112	13099	0.416	ug/l		93
60)	1,1,1,2-Tetrachloroethane	9.528	131	4174	0.391	ug/l		97
61)	Pentachloroethane	11.418	117	3275	0.422	ug/l		92
62)	Hexachloroethane	12.466	117	2786	0.329	ug/l		99
63)	Ethyl Benzene	9.566	91	22362	0.400	ug/l		99
64)	m/p-Xylenes	9.692	106	15648	0.770	ug/l		94
65)	o-Xylene	10.097	106	7856	0.391	ug/l		86
66)	Styrene	10.116	104	11160	0.372	ug/l		95
67)	Bromoform	10.286	173	1686	0.346	ug/l	#	94
69)	Isopropylbenzene	10.479	105	20892	0.396	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.778	83	3775	0.393	ug/l	#	98
71)	1,2,3-Trichloropropane	10.820	75	2953m	0.373	ug/l		
72)	Bromobenzene	10.785	156	4873	0.420	ug/l		96
73)	n-propylbenzene	10.901	120	19771	1.492	ug/l		98
74)	2-Chlorotoluene	10.984	126	4978	0.405	ug/l		97
75)	1,3,5-Trimethylbenzene	11.084	105	18298	0.404	ug/l		97
76)	4-Chlorotoluene	11.097	126	4687	0.379	ug/l		88
77)	tert-Butylbenzene	11.415	119	16652	0.392	ug/l		93
78)	1,2,4-Trimethylbenzene	11.466	105	17780	0.387	ug/l		99
79)	sec-Butylbenzene	11.637	105	22560	0.415	ug/l		97
80)	Nitrobenzene	13.238	77	131	0.697	ug/l	#	40
81)	p-Isopropyltoluene	11.791	119	17715	0.387	ug/l		97
82)	1,3-Dichlorobenzene	11.746	146	9108	0.388	ug/l		96
83)	1,4-Dichlorobenzene	11.836	146	9546	0.417	ug/l		98
84)	n-Butylbenzene	12.206	91	16425	0.375	ug/l		100
85)	1,2-Dichlorobenzene	12.209	146	8560	0.402	ug/l		97
86)	1,2-Dibromo-3-Chloropr...	13.003	75	516	0.393	ug/l	#	76
87)	1,2,4-Trichlorobenzene	13.843	180	4801	0.377	ug/l		96
88)	Hexachlorobutadiene	14.016	225	3503	0.429	ug/l		98
89)	Naphthalene	14.093	128	6316	0.322	ug/l	#	90
90)	1,2,3-Trichlorobenzene	14.331	180	4041	0.382	ug/l		95

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

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