Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
Data File : VU061141.D
Acq On : 17 Oct 2024 11:48
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 02:33:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 18 02:32:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024
Supervised By :Mahesh Dadoda 10/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	29021	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14471	0.938	ug/l	0.00
Spiked Amount 1.000			Recovery =	94.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	14367	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	14683	0.919	ug/l	99
3) Chloromethane	1.518	50	14467	0.951	ug/l	100
4) Vinyl Chloride	1.599	62	14253	0.913	ug/l	100
5) Bromomethane	1.849	94	10460	1.066	ug/l	98
6) Chloroethane	1.927	64	9046	0.864	ug/l	98
7) Trichlorofluoromethane	2.132	101	19715	0.887	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	10025	0.908	ug/l	98
9) 1,1-Dichloroethene	2.573	96	10298	0.894	ug/l	97
10) Iodomethane	2.714	142	10241	1.357	ug/l	99
11) Allyl Chloride	2.917	41	13381	0.902	ug/l	98
12) Acrylonitrile	3.329	53	4209m	1.817	ug/l	
13) Acetone	2.628	43	14261m	4.722	ug/l	
14) Carbon Disulfide	2.788	76	35768	0.902	ug/l	98
15) Methylene Chloride	3.039	84	14135	0.949	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	12471	0.924	ug/l	97
17) 1,1-Dichloroethane	3.859	63	22440	0.937	ug/l	98
18) 2-Butanone	4.721	43	17721m	4.930	ug/l	
19) Cyclohexane	5.377	56	19806m	0.924	ug/l	
20) Methylcyclohexane	6.753	83	21493	0.899	ug/l	99
21) 2,2-Dichloropropane	4.653	77	19853	0.899	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	13832	0.940	ug/l	97
23) Diethyl Ether	2.374	59	8286	0.926	ug/l	94
24) tert-Butyl Alcohol	3.190	59	10107	10.850	ug/l #	90
25) Methyl tert-Butyl Ether	3.357	73	28409	0.921	ug/l	97
26) Bromochloromethane	4.972	128	5458	0.887	ug/l	99
27) Chloroform	5.081	83	23168	0.923	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	20477	0.925	ug/l	97
29) 1,1-Dichloropropene	5.521	75	18225	0.931	ug/l	96
30) Carbon Tetrachloride	5.515	117	17062	0.888	ug/l	99
31) Isopropyl Ether	3.981	45	30901	0.905	ug/l	100
32) Ethyl-t-butyl ether	4.492	59	31028	0.883	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	28109	0.889	ug/l	99
34) Propionitrile	4.798	54	3742m	4.207	ug/l	
35) Benzene	5.766	78	49717	0.903	ug/l	97
36) 1,2-Dichloroethane	5.791	62	14381	0.925	ug/l	97
37) Trichloroethene	6.537	130	13379	0.910	ug/l	93
38) 1,2-Dichloropropane	6.782	63	12525	0.898	ug/l	100
39) Methacrylonitrile	4.991	41	2446	0.770	ug/l #	90
40) Methyl acrylate	4.878	55	5443m	0.852	ug/l	
41) Tetrahydrofuran	5.065	42	3815m	2.020	ug/l	
42) 1-Chlorobutane	5.454	56	23035	0.918	ug/l	97
43) Dibromomethane	6.914	93	6735	0.931	ug/l	97
44) Bromodichloromethane	7.097	83	16044	0.912	ug/l	100

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	31871	4.388	ug/l		99
46) t-1,4-Dichloro-2-butene	10.827	75	5635m	1.875	ug/l		
47) Methyl methacrylate	6.959	69	10238	1.628	ug/l		92
48) Ethyl methacrylate	8.332	69	11478	0.856	ug/l		97
49) Toluene	7.965	92	30509	0.877	ug/l		97
50) t-1,3-Dichloropropene	8.209	75	14467	0.853	ug/l		97
51) cis-1,3-Dichloropropene	7.605	75	18561	0.892	ug/l		98
52) 1,1,2-Trichloroethane	8.393	97	8907	0.913	ug/l		97
53) 1,3-Dichloropropane	8.569	76	15587	0.910	ug/l		98
54) 2-Hexanone	8.682	43	26514	4.444	ug/l		97
55) Dibromochloromethane	8.801	129	9919	0.861	ug/l		100
56) 1,2-Dibromoethane	8.920	107	8717	0.931	ug/l		100
58) Tetrachloroethene	8.547	164	11467	0.920	ug/l		94
59) Chlorobenzene	9.441	112	32757	0.874	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.524	131	11607	0.918	ug/l		96
61) Pentachloroethane	11.418	117	8252	0.853	ug/l		95
62) Hexachloroethane	12.466	117	8342	0.837	ug/l		96
63) Ethyl Benzene	9.563	91	59269	0.883	ug/l		98
64) m/p-Xylenes	9.688	106	44390	1.737	ug/l		100
65) o-Xylene	10.094	106	22054	0.876	ug/l		99
66) Styrene	10.110	104	33224	0.849	ug/l		100
67) Bromoform	10.283	173	4944	0.820	ug/l	#	95
69) Isopropylbenzene	10.476	105	51594	0.862	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.772	83	10603	0.895	ug/l		99
71) 1,2,3-Trichloropropane	10.814	75	9458m	0.972	ug/l		
72) Bromobenzene	10.778	156	12896	0.896	ug/l		84
73) n-propylbenzene	10.901	120	14752	0.844	ug/l		99
74) 2-Chlorotoluene	10.978	126	12787	0.846	ug/l		91
75) 1,3,5-Trimethylbenzene	11.081	105	46000	0.852	ug/l		98
76) 4-Chlorotoluene	11.093	126	12812	0.834	ug/l		95
77) tert-Butylbenzene	11.412	119	45826	0.859	ug/l		97
78) 1,2,4-Trimethylbenzene	11.460	105	46788	0.858	ug/l		99
79) sec-Butylbenzene	11.634	105	58213	0.837	ug/l		98
80) Nitrobenzene	13.222	77	527	5.405	ug/l	#	94
81) p-Isopropyltoluene	11.785	119	48946	0.851	ug/l		98
82) 1,3-Dichlorobenzene	11.740	146	23248	0.841	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	23057	0.837	ug/l		98
84) n-Butylbenzene	12.203	91	43414	0.813	ug/l		98
85) 1,2-Dichlorobenzene	12.206	146	22610	0.875	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.000	75	1576	0.896	ug/l		89
87) 1,2,4-Trichlorobenzene	13.836	180	12433	0.842	ug/l		98
88) Hexachlorobutadiene	14.013	225	7306	0.875	ug/l		99
89) Naphthalene	14.087	128	21387	0.820	ug/l		96
90) 1,2,3-Trichlorobenzene	14.325	180	11832	0.892	ug/l		95

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

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