Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
Data File : VU053465.D
Acq On : 29 Mar 2023 14:51
Operator : JC/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 30 10:26:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 30 09:48:36 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	43153	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15205	0.976	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	15492	0.991	ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	30300	1.942	ug/l	96
3) Chloromethane	1.520	50	31516	1.983	ug/l	99
4) Vinyl Chloride	1.604	62	32210	1.918	ug/l	95
5) Bromomethane	1.858	94	27115	1.940	ug/l	100
6) Chloroethane	1.935	64	19226	1.791	ug/l	99
7) Trichlorofluoromethane	2.138	101	45884	1.825	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	23683	1.900	ug/l	97
9) 1,1-Dichloroethene	2.578	96	20077	1.761	ug/l	95
10) Iodomethane	2.723	142	19894	1.958	ug/l	97
11) Allyl Chloride	2.922	41	27138	2.109	ug/l	96
12) Acrylonitrile	3.334	53	8524	3.977	ug/l	90
13) Acetone	2.642	43	40849	9.404	ug/l	99
14) Carbon Disulfide	2.793	76	65166	1.864	ug/l	95
15) Methylene Chloride	3.044	84	49139	2.050	ug/l	93
16) trans-1,2-Dichloroethene	3.353	96	22707	1.928	ug/l	98
17) 1,1-Dichloroethane	3.867	63	42861	1.994	ug/l	97
18) 2-Butanone	4.713	43	42140	9.532	ug/l	99
19) Cyclohexane	5.385	56	34219	1.933	ug/l	88
20) Methylcyclohexane	6.758	83	42036	1.901	ug/l	98
21) 2,2-Dichloropropane	4.658	77	36613	1.989	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	23539	1.839	ug/l	94
23) Diethyl Ether	2.375	59	17153	1.896	ug/l	96
24) tert-Butyl Alcohol	3.228	59	15725m	19.371	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	49117	1.944	ug/l	99
26) Bromochloromethane	4.973	128	10142	1.966	ug/l	95
27) Chloroform	5.083	83	45836	2.054	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	37332	1.940	ug/l	97
29) 1,1-Dichloropropene	5.523	75	32942	1.979	ug/l	96
30) Carbon Tetrachloride	5.520	117	29351	1.917	ug/l	92
31) Isopropyl Ether	3.986	45	58331	1.972	ug/l	95
32) Ethyl-t-butyl ether	4.498	59	61203	2.014	ug/l	100
33) Tert-Amyl methyl ether	5.935	73	52329	1.937	ug/l	98
34) Propionitrile	4.800	54	6922m	9.158	ug/l	
35) Benzene	5.771	78	96346	1.978	ug/l	98
36) 1,2-Dichloroethane	5.790	62	27920	1.996	ug/l	98
37) Trichloroethene	6.539	130	23603	1.927	ug/l	94
38) 1,2-Dichloropropane	6.787	63	24513	1.964	ug/l	93
39) Methacrylonitrile	4.977	41	6151	2.022	ug/l #	84
40) Methyl acrylate	4.851	55	10790m	2.033	ug/l	
41) Tetrahydrofuran	5.063	42	6497	4.096	ug/l	96
42) 1-Chlorobutane	5.453	56	43140	1.948	ug/l	97
43) Dibromomethane	6.915	93	12202	2.052	ug/l	92
44) Bromodichloromethane	7.102	83	28146	1.893	ug/l	91

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 30 09:48:36 2023
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Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	60430	9.799	ug/l		98
46) t-1,4-Dichloro-2-butene	10.825	75	12064m	3.604	ug/l		
47) Methyl methacrylate	6.960	69	21179	3.874	ug/l		93
48) Ethyl methacrylate	8.330	69	20997	1.981	ug/l		92
49) Toluene	7.967	92	58253	1.951	ug/l		95
50) t-1,3-Dichloropropene	8.208	75	26031	1.890	ug/l		96
51) cis-1,3-Dichloropropene	7.604	75	32500	1.906	ug/l		96
52) 1,1,2-Trichloroethane	8.398	97	16040	1.861	ug/l		96
53) 1,3-Dichloropropane	8.571	76	29285	1.969	ug/l		97
54) 2-Hexanone	8.681	43	61125	9.447	ug/l		96
55) Dibromochloromethane	8.803	129	16222	1.848	ug/l		95
56) 1,2-Dibromoethane	8.919	107	14431	1.817	ug/l		88
58) Tetrachloroethene	8.549	164	21435	1.871	ug/l		98
59) Chlorobenzene	9.443	112	62403	1.899	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.530	131	20301	2.032	ug/l		95
61) Pentachloroethane	11.420	117	13334	1.900	ug/l		99
62) Hexachloroethane	12.468	117	14223	1.892	ug/l	#	79
63) Ethyl Benzene	9.565	91	110374	1.915	ug/l		98
64) m/p-Xylenes	9.690	106	83333	3.782	ug/l		96
65) o-Xylene	10.095	106	41093	1.905	ug/l		98
66) Styrene	10.111	104	60623	1.828	ug/l		96
67) Bromoform	10.285	173	7571	1.918	ug/l	#	97
69) Isopropylbenzene	10.478	105	106998	1.895	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.777	83	19983	1.926	ug/l		94
71) 1,2,3-Trichloropropane	10.819	75	16077m	1.945	ug/l		
72) Bromobenzene	10.780	156	22253	1.881	ug/l		98
73) n-propylbenzene	10.902	120	26898	1.803	ug/l		88
74) 2-Chlorotoluene	10.980	126	23348	1.810	ug/l		94
75) 1,3,5-Trimethylbenzene	11.086	105	87330	1.842	ug/l		99
76) 4-Chlorotoluene	11.095	126	25148	1.878	ug/l		93
77) tert-Butylbenzene	11.414	119	81283	1.849	ug/l		97
78) 1,2,4-Trimethylbenzene	11.465	105	89457	1.852	ug/l		100
79) sec-Butylbenzene	11.639	105	119265	1.884	ug/l		99
80) Nitrobenzene	13.208	77	1946	7.463	ug/l	#	80
81) p-Isopropyltoluene	11.790	119	91032	1.831	ug/l		97
82) 1,3-Dichlorobenzene	11.742	146	48591	1.927	ug/l		99
83) 1,4-Dichlorobenzene	11.832	146	47385	1.857	ug/l		95
84) n-Butylbenzene	12.205	91	92374	1.880	ug/l		98
85) 1,2-Dichlorobenzene	12.208	146	44102	1.846	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2846	1.806	ug/l		90
87) 1,2,4-Trichlorobenzene	13.835	180	25153	1.805	ug/l		98
88) Hexachlorobutadiene	14.018	225	13415	2.013	ug/l		95
89) Naphthalene	14.086	128	47984	1.711	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	22202	1.849	ug/l		98

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

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED

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