Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053832.D
Acq On : 21 Apr 2023 19:08
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 22 03:21:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/28/2023
Supervised By :Mahesh Dadoda 04/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	34906	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	14036	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	16265	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	103037	9.736	ug/l	99
3) Chloromethane	1.520	50	84800	8.899	ug/l	98
4) Vinyl Chloride	1.604	62	103227	9.370	ug/l	98
5) Bromomethane	1.858	94	69097	8.335	ug/l	100
6) Chloroethane	1.935	64	66368	9.409	ug/l	96
7) Trichlorofluoromethane	2.138	101	179924	9.722	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	108652	9.018	ug/l	93
9) 1,1-Dichloroethene	2.578	96	83319	8.448	ug/l	85
10) Iodomethane	2.723	142	104938	9.769	ug/l	97
11) Allyl Chloride	2.922	41	92414	7.890	ug/l	89
12) Acrylonitrile	3.324	53	38617	15.670	ug/l	94
13) Acetone	2.649	43	89156	25.881	ug/l	98
14) Carbon Disulfide	2.793	76	129391	7.988	ug/l	99
15) Methylene Chloride	3.041	84	120342	8.328	ug/l	89
16) trans-1,2-Dichloroethene	3.350	96	90338	8.470	ug/l	89
17) 1,1-Dichloroethane	3.864	63	192230	8.740	ug/l	99
18) 2-Butanone	4.713	43	125302	28.060	ug/l	99
19) Cyclohexane	5.385	56	121257m	7.968	ug/l	
20) Methylcyclohexane	6.761	83	149738	10.966	ug/l	90
21) 2,2-Dichloropropane	4.658	77	163197	8.163	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	117221	8.786	ug/l	93
23) Diethyl Ether	2.375	59	70754	9.730	ug/l	91
24) tert-Butyl Alcohol	3.266	59	81940m	82.760	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	234782	8.532	ug/l	97
26) Bromochloromethane	4.970	128	51311	8.694	ug/l	88
27) Chloroform	5.083	83	213964	9.007	ug/l	97
28) 1,1,1-Trichloroethane	5.311	97	184490	9.372	ug/l	96
29) 1,1-Dichloropropene	5.523	75	130292	10.397	ug/l	100
30) Carbon Tetrachloride	5.520	117	151060	10.721	ug/l	100
31) Isopropyl Ether	3.986	45	266716	8.384	ug/l	94
32) Ethyl-t-butyl ether	4.494	59	271168	8.426	ug/l	93
33) Tert-Amyl methyl ether	5.935	73	256786	10.921	ug/l	98
34) Propionitrile	4.797	54	39860	39.920	ug/l #	11
35) Benzene	5.771	78	411881	10.672	ug/l	99
36) 1,2-Dichloroethane	5.790	62	121282	10.003	ug/l	100
37) Trichloroethene	6.536	130	117841	10.753	ug/l	93
38) 1,2-Dichloropropane	6.787	63	118500	10.787	ug/l	99
39) Methacrylonitrile	4.970	41	28038	7.037	ug/l	94
40) Methyl acrylate	4.842	55	50554	7.684	ug/l #	97
41) Tetrahydrofuran	5.067	42	27914	14.135	ug/l	92
42) 1-Chlorobutane	5.452	56	166722	9.748	ug/l	94
43) Dibromomethane	6.912	93	56845	10.202	ug/l	97
44) Bromodichloromethane	7.102	83	148727	10.589	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	284016	50.115	ug/l	#	94
46) t-1,4-Dichloro-2-butene	10.832	75	48010m	20.403	ug/l		
47) Methyl methacrylate	6.957	69	105442	21.545	ug/l		89
48) Ethyl methacrylate	8.330	69	101596	10.590	ug/l		89
49) Toluene	7.964	92	265065	10.899	ug/l		97
50) t-1,3-Dichloropropene	8.205	75	138501	10.975	ug/l		99
51) cis-1,3-Dichloropropene	7.604	75	162609	10.792	ug/l		95
52) 1,1,2-Trichloroethane	8.395	97	87968	9.950	ug/l		98
53) 1,3-Dichloropropane	8.571	76	145779	10.531	ug/l		100
54) 2-Hexanone	8.681	43	203860	38.358	ug/l		94
55) Dibromochloromethane	8.803	129	100238	10.781	ug/l		99
56) 1,2-Dibromoethane	8.919	107	80003	10.492	ug/l		97
58) Tetrachloroethene	8.549	164	115352	10.885	ug/l		98
59) Chlorobenzene	9.443	112	321976	10.640	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.530	131	116428	10.670	ug/l		98
61) Pentachloroethane	11.423	117	79562	9.455	ug/l		92
62) Hexachloroethane	12.472	117	86766	10.564	ug/l		98
63) Ethyl Benzene	9.565	91	538359	11.268	ug/l		99
64) m/p-Xylenes	9.690	106	419513	22.286	ug/l		95
65) o-Xylene	10.095	106	206390	10.874	ug/l		98
66) Styrene	10.108	104	339647	11.254	ug/l		100
67) Bromoform	10.285	173	52629	10.893	ug/l		100
69) Isopropylbenzene	10.478	105	553687	11.162	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.777	83	109773	9.643	ug/l		98
71) 1,2,3-Trichloropropane	10.822	75	56473m	6.874	ug/l		
72) Bromobenzene	10.777	156	133288	10.475	ug/l		90
73) n-propylbenzene	10.902	120	162813	11.831	ug/l		88
74) 2-Chlorotoluene	10.983	126	137924	10.603	ug/l		89
75) 1,3,5-Trimethylbenzene	11.083	105	480469	11.103	ug/l		98
76) 4-Chlorotoluene	11.092	126	146153	11.022	ug/l		88
77) tert-Butylbenzene	11.414	119	467762	10.742	ug/l		97
78) 1,2,4-Trimethylbenzene	11.462	105	498190	11.282	ug/l		98
79) sec-Butylbenzene	11.639	105	638229	10.904	ug/l		96
80) Nitrobenzene	13.201	77	14729	40.845	ug/l	#	91
81) p-Isopropyltoluene	11.790	119	537005	11.199	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	281414	10.345	ug/l		99
83) 1,4-Dichlorobenzene	11.832	146	278640	10.274	ug/l		98
84) n-Butylbenzene	12.205	91	501829	9.526	ug/l		98
85) 1,2-Dichlorobenzene	12.208	146	262087	9.852	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	16726	10.435	ug/l		88
87) 1,2,4-Trichlorobenzene	13.835	180	168538	9.585	ug/l		99
88) Hexachlorobutadiene	14.015	225	90418	9.640	ug/l		99
89) Naphthalene	14.082	128	291211	9.451	ug/l		99
90) 1,2,3-Trichlorobenzene	14.324	180	154189	9.223	ug/l		99

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

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