Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
Data File : VU055812.D
Acq On : 19 Oct 2023 16:29
Operator : MD/SY
Sample : 04699-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 02:00:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 20 02:00:35 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	94351	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	32839	0.882	ug/l	0.00
Spiked Amount 1.000			Recovery =	88.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	29875	0.866	ug/l	0.00
Spiked Amount 1.000			Recovery =	87.000%		
Target Compounds						Qvalue
3) Chloromethane	1.518	50	8493	0.271	ug/l	94
4) Vinyl Chloride	1.602	62	7650	0.238	ug/l #	84
5) Bromomethane	1.856	94	5274	0.299	ug/l	89
6) Chloroethane	1.933	64	4502	0.290	ug/l	97
7) Trichlorofluoromethane	2.136	101	9590	0.227	ug/l	98
9) 1,1-Dichloroethene	2.576	96	5489	0.209	ug/l	93
11) Allyl Chloride	2.923	41	7847	0.229	ug/l	100
12) Acrylonitrile	3.345	53	2102m	0.425	ug/l	
13) Acetone	2.650	43	6767	0.641	ug/l	89
14) Carbon Disulfide	2.792	76	18462	0.215	ug/l	100
15) Methylene Chloride	3.039	84	8853	0.285	ug/l	95
16) trans-1,2-Dichloroethene	3.354	96	5940	0.213	ug/l	96
17) 1,1-Dichloroethane	3.865	63	11028	0.213	ug/l	97
18) 2-Butanone	4.740	43	8015m	0.705	ug/l	
20) Methylcyclohexane	6.756	83	9506	0.207	ug/l	95
22) cis-1,2-Dichloroethene	4.669	96	6314	0.212	ug/l	96
23) Diethyl Ether	2.374	59	3795	0.241	ug/l	93
24) tert-Butyl Alcohol	3.190	59	6547m	4.058	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	11551	0.204	ug/l #	88
27) Chloroform	5.084	83	11761	0.221	ug/l	99
29) 1,1-Dichloropropene	5.531	75	8006	0.212	ug/l	93
31) Isopropyl Ether	3.988	45	14383	0.206	ug/l	93
34) Propionitrile	4.830	54	931m	0.518	ug/l	
36) 1,2-Dichloroethane	5.798	62	6958	0.224	ug/l	97
37) Trichloroethene	6.544	130	6635	0.223	ug/l	88
38) 1,2-Dichloropropane	6.795	63	5989	0.200	ug/l	100
39) Methacrylonitrile	5.007	41	1507m	0.225	ug/l	
40) Methyl acrylate	4.894	55	2414m	0.224	ug/l	
41) Tetrahydrofuran	5.078	42	1949m	0.513	ug/l	
43) Dibromomethane	6.920	93	2887	0.203	ug/l	91
44) Bromodichloromethane	7.103	83	8084	0.215	ug/l	97
45) 4-Methyl-2-Pentanone	7.795	43	14539	0.990	ug/l	96
46) t-1,4-Dichloro-2-butene	10.836	75	1748m	0.299	ug/l	
47) Methyl methacrylate	6.971	69	3986	0.340	ug/l #	86
52) 1,1,2-Trichloroethane	8.399	97	4294	0.212	ug/l	93
53) 1,3-Dichloropropane	8.573	76	7454	0.215	ug/l	93
54) 2-Hexanone	8.695	43	12617	0.766	ug/l	99
55) Dibromochloromethane	8.807	129	4919	0.201	ug/l	99
56) 1,2-Dibromoethane	8.923	107	4140	0.223	ug/l	95
58) Tetrachloroethene	8.550	164	6830	0.221	ug/l	93
59) Chlorobenzene	9.450	112	15795	0.211	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.534	131	5481	0.206	ug/l	95
61) Pentachloroethane	11.421	117	3624	0.201	ug/l	97

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
63)	Ethyl Benzene	9.573	91	25959	0.204	ug/l		97
64)	m/p-Xylenes	9.695	106	18297	0.375	ug/l		98
70)	1,1,2,2-Tetrachloroethane	10.782	83	4930	0.208	ug/l	#	98
72)	Bromobenzene	10.785	156	6288	0.214	ug/l		89
74)	2-Chlorotoluene	10.984	126	6231	0.211	ug/l		99
78)	1,2,4-Trimethylbenzene	11.466	105	21019	0.201	ug/l		95
79)	sec-Butylbenzene	11.640	105	27835	0.228	ug/l		99
80)	Nitrobenzene	13.225	77	1081m	1.722	ug/l		
81)	p-Isopropyltoluene	11.791	119	23259	0.237	ug/l		96
82)	1,3-Dichlorobenzene	11.746	146	13106	0.218	ug/l		94
83)	1,4-Dichlorobenzene	11.839	146	12789	0.220	ug/l		96
84)	n-Butylbenzene	12.209	91	26615	0.318	ug/l		98
85)	1,2-Dichlorobenzene	12.212	146	12935	0.236	ug/l		93
86)	1,2-Dibromo-3-Chloropr...	13.007	75	678m	0.200	ug/l		
87)	1,2,4-Trichlorobenzene	13.843	180	10230	0.343	ug/l		99
88)	Hexachlorobutadiene	14.016	225	5614	0.271	ug/l		90
89)	Naphthalene	14.093	128	15809	0.365	ug/l	#	87
90)	1,2,3-Trichlorobenzene	14.331	180	8811	0.345	ug/l		93

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

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