Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
Data File : VU055816.D
Acq On : 19 Oct 2023 18:05
Operator : MD/SY
Sample : 04699-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:02:17 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 :
LOQ-WATER-02-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	92495	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.634	95	33454	0.917 ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	31000	0.917 ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.383	85	14969	0.417 ug/l	98
3) Chloromethane	1.518	50	16130	0.525 ug/l	96
4) Vinyl Chloride	1.602	62	15822	0.503 ug/l	97
5) Bromomethane	1.856	94	10149	0.586 ug/l	97
6) Chloroethane	1.930	64	8778	0.576 ug/l	94
7) Trichlorofluoromethane	2.136	101	21481	0.518 ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	13255	0.479 ug/l	95
9) 1,1-Dichloroethene	2.576	96	12070	0.468 ug/l	92
10) Iodomethane	2.718	142	16337	0.425 ug/l	96
11) Allyl Chloride	2.920	41	16238	0.484 ug/l	98
12) Acrylonitrile	3.338	53	4539m	0.936 ug/l	
13) Acetone	2.644	43	18982	1.835 ug/l	95
14) Carbon Disulfide	2.792	76	38743	0.460 ug/l	98
15) Methylene Chloride	3.039	84	27589	0.907 ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	12219	0.447 ug/l	96
17) 1,1-Dichloroethane	3.869	63	23526	0.463 ug/l	98
18) 2-Butanone	4.727	43	16015	1.437 ug/l	90
19) Cyclohexane	5.386	56	18692m	0.431 ug/l	
20) Methylcyclohexane	6.756	83	19578	0.434 ug/l	100
21) 2,2-Dichloropropane	4.657	77	19112	0.446 ug/l	99
22) cis-1,2-Dichloroethene	4.669	96	13201	0.453 ug/l	99
23) Diethyl Ether	2.374	59	8223	0.533 ug/l	93
24) tert-Butyl Alcohol	3.207	59	8283m	5.236 ug/l	
25) Methyl tert-Butyl Ether	3.364	73	25337	0.456 ug/l	100
26) Bromochloromethane	4.978	128	5820	0.471 ug/l	97
27) Chloroform	5.084	83	24739	0.474 ug/l	98
28) 1,1,1-Trichloroethane	5.313	97	21577	0.461 ug/l	97
29) 1,1-Dichloropropene	5.525	75	16178	0.437 ug/l	100
30) Carbon Tetrachloride	5.522	117	18821	0.461 ug/l	98
31) Isopropyl Ether	3.991	45	30651	0.449 ug/l	99
32) Ethyl-t-butyl ether	4.496	59	28425	0.431 ug/l	94
33) Tert-Amyl methyl ether	5.936	73	23361	0.413 ug/l	95
34) Propionitrile	4.814	54	2577m	1.462 ug/l	
35) Benzene	5.772	78	51836	0.462 ug/l	96
36) 1,2-Dichloroethane	5.795	62	13890	0.456 ug/l	98
37) Trichloroethene	6.544	130	13877	0.475 ug/l	92
38) 1,2-Dichloropropane	6.792	63	13629	0.465 ug/l	94
39) Methacrylonitrile	4.985	41	2939m	0.447 ug/l	
40) Methyl acrylate	4.882	55	4291	0.405 ug/l #	90
41) Tetrahydrofuran	5.075	42	3558	0.955 ug/l #	73
42) 1-Chlorobutane	5.457	56	21956	0.445 ug/l	97
43) Dibromomethane	6.914	93	6202	0.445 ug/l	98
44) Bromodichloromethane	7.103	83	17088	0.464 ug/l	100

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Instrument :
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Manual Integrations APPROVED

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

Quant Time: Oct 20 02:02:17 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	29759	2.066	ug/l		98
46) t-1,4-Dichloro-2-butene	10.833	75	3843m	0.671	ug/l		
47) Methyl methacrylate	6.965	69	9731	0.847	ug/l		96
48) Ethyl methacrylate	8.335	69	8471	0.388	ug/l		98
49) Toluene	7.968	92	28558	0.430	ug/l		97
50) t-1,3-Dichloropropene	8.213	75	14039	0.431	ug/l		97
51) cis-1,3-Dichloropropene	7.608	75	16417	0.412	ug/l	#	89
52) 1,1,2-Trichloroethane	8.396	97	8791	0.442	ug/l		89
53) 1,3-Dichloropropane	8.573	76	16317	0.480	ug/l		98
54) 2-Hexanone	8.692	43	24250	1.503	ug/l		92
55) Dibromochloromethane	8.808	129	10003	0.417	ug/l		100
56) 1,2-Dibromoethane	8.923	107	8245	0.454	ug/l		96
58) Tetrachloroethene	8.550	164	14372	0.473	ug/l	#	85
59) Chlorobenzene	9.447	112	33303	0.454	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.531	131	10834	0.414	ug/l		95
61) Pentachloroethane	11.422	117	7605	0.430	ug/l		95
62) Hexachloroethane	12.470	117	7075	0.378	ug/l		92
63) Ethyl Benzene	9.570	91	53470	0.430	ug/l		100
64) m/p-Xylenes	9.692	106	38929	0.814	ug/l		99
65) o-Xylene	10.100	106	19039	0.406	ug/l		90
66) Styrene	10.116	104	29597	0.403	ug/l		95
67) Bromoform	10.290	173	5214	0.404	ug/l	#	95
69) Isopropylbenzene	10.483	105	50616	0.419	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.779	83	10862	0.467	ug/l		97
71) 1,2,3-Trichloropropane	10.824	75	7759m	0.402	ug/l		
72) Bromobenzene	10.785	156	13266	0.460	ug/l		85
73) n-propylbenzene	10.907	120	12038	0.387	ug/l		99
74) 2-Chlorotoluene	10.988	126	12066	0.416	ug/l		90
75) 1,3,5-Trimethylbenzene	11.087	105	41584	0.402	ug/l		100
76) 4-Chlorotoluene	11.097	126	12515	0.424	ug/l		97
77) tert-Butylbenzene	11.418	119	38106	0.402	ug/l		95
78) 1,2,4-Trimethylbenzene	11.467	105	38980	0.381	ug/l		100
79) sec-Butylbenzene	11.640	105	48100	0.402	ug/l		98
80) Nitrobenzene	13.238	77	1360m	2.210	ug/l		
81) p-Isopropyltoluene	11.791	119	38277	0.398	ug/l		95
82) 1,3-Dichlorobenzene	11.746	146	26155	0.444	ug/l		95
83) 1,4-Dichlorobenzene	11.836	146	25163	0.442	ug/l		95
84) n-Butylbenzene	12.206	91	38134	0.465	ug/l		98
85) 1,2-Dichlorobenzene	12.209	146	23714	0.441	ug/l		93
86) 1,2-Dibromo-3-Chloropr...	13.004	75	1463	0.441	ug/l		90
87) 1,2,4-Trichlorobenzene	13.843	180	14155	0.485	ug/l		94
88) Hexachlorobutadiene	14.016	225	8931	0.440	ug/l		97
89) Naphthalene	14.094	128	21504	0.507	ug/l	#	88
90) 1,2,3-Trichlorobenzene	14.328	180	11926	0.476	ug/l		93

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

Quantitation Report (QT Reviewed)

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