

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057760.D
 Acq On : 31 Jan 2024 11:47
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

Quant Time: Jan 31 12:35:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 11:38:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.110	96	43766	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	16139	0.935	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	14279	0.892	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	13833	0.814	ug/l	98
3) Chloromethane	1.518	50	14458	0.995	ug/l	98
4) Vinyl Chloride	1.602	62	13704	0.921	ug/l	99
5) Bromomethane	1.856	94	7763	0.947	ug/l	97
6) Chloroethane	1.933	64	8544	1.185	ug/l	96
7) Trichlorofluoromethane	2.132	101	22007	1.121	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	10518	0.804	ug/l	95
9) 1,1-Dichloroethene	2.573	96	10115	0.829	ug/l	98
10) Iodomethane	2.714	142	11022	0.606	ug/l	95
11) Allyl Chloride	2.917	41	13576	0.856	ug/l	# 82
12) Acrylonitrile	3.345	53	3419	1.491	ug/l	# 84
13) Acetone	2.650	43	16898	3.453	ug/l	88
14) Carbon Disulfide	2.785	76	32506	0.816	ug/l	98
15) Methylene Chloride	3.039	84	14325	0.995	ug/l	92
16) trans-1,2-Dichloroethene	3.348	96	11073	0.856	ug/l	94
17) 1,1-Dichloroethane	3.859	63	21468	0.892	ug/l	95
18) 2-Butanone	4.734	43	16056	3.045	ug/l	100
19) Cyclohexane	5.380	56	17221	0.839	ug/l	93
20) Methylcyclohexane	6.759	83	19810	0.929	ug/l	96
21) 2,2-Dichloropropane	4.656	77	19154	0.945	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	12361	0.896	ug/l	94
23) Diethyl Ether	2.370	59	8356	1.145	ug/l	96
24) tert-Butyl Alcohol	3.354	59	10426m	13.930	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	24442	0.930	ug/l	# 89
26) Bromochloromethane	4.975	128	4843	0.829	ug/l	99
27) Chloroform	5.081	83	22482	0.911	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	19727	0.891	ug/l	99
29) 1,1-Dichloropropene	5.521	75	16057	0.916	ug/l	97
30) Carbon Tetrachloride	5.518	117	16809	0.870	ug/l	97
31) Isopropyl Ether	3.988	45	31154	0.964	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	29276	0.938	ug/l	100
33) Tert-Amyl methyl ether	5.939	73	25729	0.962	ug/l	# 95
34) Propionitrile	4.830	54	3885m	4.658	ug/l	
35) Benzene	5.769	78	45983	0.866	ug/l	95
36) 1,2-Dichloroethane	5.791	62	13255	0.919	ug/l	96
37) Trichloroethene	6.541	130	12444	0.901	ug/l	97
38) 1,2-Dichloropropane	6.788	63	11009	0.794	ug/l	95
39) Methacrylonitrile	4.991	41	2912	0.936	ug/l	# 61
40) Methyl acrylate	4.872	55	4655m	1.267	ug/l	
41) Tetrahydrofuran	5.068	42	3123	1.772	ug/l	# 74
42) 1-Chlorobutane	5.454	56	20729	0.887	ug/l	88
43) Dibromomethane	6.917	93	5748	0.872	ug/l	92
44) Bromodichloromethane	7.100	83	14712	0.845	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057760.D
 Acq On : 31 Jan 2024 11:47
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

Quant Time: Jan 31 12:35:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 11:38:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	30774	4.515	ug/l	97
46) t-1,4-Dichloro-2-butene	10.833	75	4191m	1.546	ug/l	
47) Methyl methacrylate	6.962	69	10031	1.845	ug/l	96
48) Ethyl methacrylate	8.338	69	9699	1.254	ug/l	95
49) Toluene	7.965	92	28781	0.916	ug/l	94
50) t-1,3-Dichloropropene	8.209	75	12841	0.833	ug/l	94
51) cis-1,3-Dichloropropene	7.605	75	16267	0.862	ug/l	92
52) 1,1,2-Trichloroethane	8.396	97	8040	0.854	ug/l	94
53) 1,3-Dichloropropane	8.573	76	13572	0.844	ug/l	99
54) 2-Hexanone	8.695	43	28911	3.786	ug/l	97
55) Dibromochloromethane	8.807	129	8641	0.761	ug/l	98
56) 1,2-Dibromoethane	8.923	107	6813	0.792	ug/l	93
58) Tetrachloroethene	8.550	164	10401	0.724	ug/l	93
59) Chlorobenzene	9.447	112	31093	0.896	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	9797	0.792	ug/l	99
61) Pentachloroethane	11.421	117	7591	0.907	ug/l	89
62) Hexachloroethane	12.470	117	7775	1.106	ug/l	98
63) Ethyl Benzene	9.566	91	53792	0.913	ug/l	100
64) m/p-Xylenes	9.688	106	40088	1.771	ug/l	100
65) o-Xylene	10.100	106	19711	0.887	ug/l	95
66) Styrene	10.116	104	27250	0.784	ug/l	94
67) Bromoform	10.290	173	4737	0.776	ug/l	96
69) Isopropylbenzene	10.479	105	48952	0.856	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	9476	0.861	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	8613m	0.944	ug/l	
72) Bromobenzene	10.782	156	11095	0.813	ug/l	93
73) n-propylbenzene	10.901	120	12638	1.128	ug/l	100
74) 2-Chlorotoluene	10.984	126	11809	0.861	ug/l	96
75) 1,3,5-Trimethylbenzene	11.084	105	43584	1.134	ug/l	100
76) 4-Chlorotoluene	11.097	126	11889	0.851	ug/l	91
77) tert-Butylbenzene	11.415	119	41746	1.206	ug/l	95
78) 1,2,4-Trimethylbenzene	11.466	105	45430	1.177	ug/l	100
79) sec-Butylbenzene	11.640	105	54662	1.253	ug/l	99
80) Nitrobenzene	13.219	77	730m	4.813	ug/l	
81) p-Isopropyltoluene	11.791	119	45213	1.291	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	22854	0.820	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	22837	0.847	ug/l	97
84) n-Butylbenzene	12.206	91	44005	1.398	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	21600	0.848	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1292	0.822	ug/l	88
87) 1,2,4-Trichlorobenzene	13.839	180	12109	1.142	ug/l	98
88) Hexachlorobutadiene	14.016	225	8383	0.873	ug/l	97
89) Naphthalene	14.090	128	18392	1.321	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	10112	1.141	ug/l	95

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

