

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060339.D
 Acq On : 07 Aug 2024 16:25
 Operator : MD/SY
 Sample : P3390-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2024

Quant Time: Aug 08 06:36:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

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

Internal Standards						
1) Fluorobenzene	6.113	96	28342	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	9689	1.003	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11447	1.091	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5705	0.523	ug/l	99
3) Chloromethane	1.518	50	6507	0.522	ug/l	94
4) Vinyl Chloride	1.602	62	6645	0.533	ug/l	90
5) Bromomethane	1.856	94	5148	0.672	ug/l	94
6) Chloroethane	1.930	64	4377	0.580	ug/l	95
7) Trichlorofluoromethane	2.136	101	8517	0.567	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	5302	0.648	ug/l	97
9) 1,1-Dichloroethene	2.576	96	5009	0.591	ug/l	78
10) Iodomethane	2.718	142	6486	0.516	ug/l	99
11) Allyl Chloride	2.920	41	5270	0.454	ug/l	97
12) Acrylonitrile	3.364	53	1595m	0.720	ug/l	
13) Acetone	2.666	43	5611m	2.087	ug/l	
14) Carbon Disulfide	2.788	76	15274	0.532	ug/l	97
15) Methylene Chloride	3.039	84	7063	0.666	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	4816	0.530	ug/l	92
17) 1,1-Dichloroethane	3.869	63	8994	0.515	ug/l	99
18) 2-Butanone	4.756	43	6187m	1.992	ug/l	
19) Cyclohexane	5.380	56	5941m	0.395	ug/l	
20) Methylcyclohexane	6.759	83	5397	0.452	ug/l	94
21) 2,2-Dichloropropane	4.653	77	7256	0.534	ug/l	92
22) cis-1,2-Dichloroethene	4.669	96	4922	0.506	ug/l	93
23) Diethyl Ether	2.373	59	3736	0.543	ug/l	97
24) tert-Butyl Alcohol	3.364	59	2697m	3.136	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	10116	0.486	ug/l	95
26) Bromochloromethane	4.971	128	2327	0.565	ug/l	87
27) Chloroform	5.081	83	10014	0.586	ug/l	96
28) 1,1,1-Trichloroethane	5.309	97	7891	0.556	ug/l	97
29) 1,1-Dichloropropene	5.521	75	5656	0.498	ug/l	100
30) Carbon Tetrachloride	5.521	117	6548	0.566	ug/l	100
31) Isopropyl Ether	3.988	45	10408	0.408	ug/l	89
32) Ethyl-t-butyl ether	4.496	59	10896	0.442	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	8998	0.514	ug/l	99
34) Propionitrile	4.836	54	1440m	1.622	ug/l	
35) Benzene	5.772	78	19294	0.551	ug/l	98
36) 1,2-Dichloroethane	5.791	62	5200	0.534	ug/l	# 93
37) Trichloroethene	6.541	130	5331	0.615	ug/l	89
38) 1,2-Dichloropropane	6.788	63	5246	0.554	ug/l	98
39) Methacrylonitrile	5.007	41	913m	0.284	ug/l	
40) Methyl acrylate	4.914	55	1864m	0.331	ug/l	
41) Tetrahydrofuran	5.087	42	1031	0.589	ug/l	# 77
42) 1-Chlorobutane	5.460	56	7560	0.482	ug/l	93
43) Dibromomethane	6.923	93	2454	0.512	ug/l	88
44) Bromodichloromethane	7.100	83	6835	0.594	ug/l	97

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45) 4-Methyl-2-Pentanone	7.795	43	10314	2.291	ug/l	94
46) t-1,4-Dichloro-2-butene	10.836	75	1893m	0.750	ug/l	
47) Methyl methacrylate	6.968	69	3350	0.861	ug/l	93
48) Ethyl methacrylate	8.335	69	2791	0.423	ug/l	98
49) Toluene	7.965	92	9579	0.493	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	4982	0.524	ug/l	94
51) cis-1,3-Dichloropropene	7.611	75	6138	0.537	ug/l #	91
52) 1,1,2-Trichloroethane	8.393	97	3885	0.552	ug/l	97
53) 1,3-Dichloropropane	8.573	76	5975	0.532	ug/l	98
54) 2-Hexanone	8.692	43	7767	2.226	ug/l	88
55) Dibromochloromethane	8.804	129	4320	0.560	ug/l	99
56) 1,2-Dibromoethane	8.923	107	3524	0.558	ug/l	100
58) Tetrachloroethene	8.550	164	4441	0.573	ug/l	94
59) Chlorobenzene	9.447	112	12327	0.586	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	4922	0.594	ug/l	96
61) Pentachloroethane	11.418	117	3978	0.562	ug/l	100
62) Hexachloroethane	12.470	117	3897	0.570	ug/l	99
63) Ethyl Benzene	9.566	91	16260	0.880	ug/l	91
64) m/p-Xylenes	9.692	106	11872	1.595	ug/l	99
65) o-Xylene	10.097	106	6120	0.824	ug/l	95
66) Styrene	10.116	104	9797	0.825	ug/l	99
67) Bromoform	10.286	173	2458	0.544	ug/l #	93
69) Isopropylbenzene	10.479	105	15701	0.852	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	5026	0.537	ug/l	96
71) 1,2,3-Trichloropropane	10.820	75	4153m	0.599	ug/l	
72) Bromobenzene	10.778	156	4730	0.548	ug/l	85
73) n-propylbenzene	10.900	120	7899	1.148	ug/l	97
74) 2-Chlorotoluene	10.981	126	4306	0.730	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	12611	0.797	ug/l	92
76) 4-Chlorotoluene	11.093	126	4446	0.744	ug/l	88
77) tert-Butylbenzene	11.415	119	13548	0.833	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	12569	0.820	ug/l	99
79) sec-Butylbenzene	11.637	105	17517	0.817	ug/l	100
80) Nitrobenzene	13.241	77	200	0.486	ug/l #	39
81) p-Isopropyltoluene	11.788	119	13355	0.852	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	10120	0.562	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	9803	0.548	ug/l	98
84) n-Butylbenzene	12.206	91	12962	0.845	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	9878	0.567	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	623	0.459	ug/l	94
87) 1,2,4-Trichlorobenzene	13.842	180	4677	0.469	ug/l	97
88) Hexachlorobutadiene	14.013	225	3729	0.579	ug/l	98
89) Naphthalene	14.093	128	6210	0.352	ug/l #	91
90) 1,2,3-Trichlorobenzene	14.328	180	4979	0.512	ug/l	97

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

