

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
 Data File : VU057817.D
 Acq On : 06 Feb 2024 12:36
 Operator : MD/SY
 Sample : P1187-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Quant Time: Feb 07 03:54:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Feb 07 03:54:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

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

Internal Standards						
1) Fluorobenzene	6.107	96	45271	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15136	0.911	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	13043	0.888	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	7598	0.513	ug/l	93
3) Chloromethane	1.518	50	8505	0.598	ug/l	97
4) Vinyl Chloride	1.599	62	8239	0.561	ug/l	94
5) Bromomethane	1.856	94	4694	0.530	ug/l	99
6) Chloroethane	1.927	64	4880	0.517	ug/l	99
7) Trichlorofluoromethane	2.123	101	10988	0.494	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	6064	0.546	ug/l	98
9) 1,1-Dichloroethene	2.563	96	5702	0.523	ug/l	96
10) Iodomethane	2.708	142	8617	0.492	ug/l	86
11) Allyl Chloride	2.911	41	8440	0.508	ug/l #	77
12) Acrylonitrile	3.312	53	2818	1.225	ug/l #	90
13) Acetone	2.637	43	13773	3.058	ug/l	88
14) Carbon Disulfide	2.779	76	18773	0.539	ug/l	98
15) Methylene Chloride	3.033	84	14214	1.016	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	6572	0.556	ug/l	94
17) 1,1-Dichloroethane	3.853	63	13235	0.557	ug/l	96
18) 2-Butanone	4.724	43	13326	2.951	ug/l	100
19) Cyclohexane	5.370	56	10444	0.559	ug/l	96
20) Methylcyclohexane	6.753	83	11077	0.513	ug/l	97
21) 2,2-Dichloropropane	4.650	77	11846	0.554	ug/l	97
22) cis-1,2-Dichloroethene	4.656	96	7373	0.566	ug/l	92
23) Diethyl Ether	2.364	59	6105	0.726	ug/l	97
24) tert-Butyl Alcohol	3.248	59	1618	2.652	ug/l #	1
25) Methyl tert-Butyl Ether	3.357	73	15492	0.558	ug/l	96
26) Bromochloromethane	4.965	128	2585	0.510	ug/l	79
27) Chloroform	5.078	83	13024	0.549	ug/l	92
28) 1,1,1-Trichloroethane	5.300	97	11105	0.517	ug/l	96
29) 1,1-Dichloropropene	5.515	75	9600	0.544	ug/l	97
30) Carbon Tetrachloride	5.512	117	10111	0.550	ug/l #	90
31) Isopropyl Ether	3.991	45	20210	0.554	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	19479	0.543	ug/l	95
33) Tert-Amyl methyl ether	5.943	73	16358	0.545	ug/l	98
34) Propionitrile	4.798	54	2470	2.931	ug/l #	22
35) Benzene	5.763	78	27473	0.544	ug/l	98
36) 1,2-Dichloroethane	5.791	62	8428	0.571	ug/l #	83
37) Trichloroethene	6.537	130	6860	0.527	ug/l	98
38) 1,2-Dichloropropane	6.785	63	6916	0.518	ug/l	98
39) Methacrylonitrile	4.981	41	1856	0.505	ug/l #	88
40) Methyl acrylate	4.849	55	3485	0.570	ug/l #	92
41) Tetrahydrofuran	5.062	42	3058	1.671	ug/l #	72
42) 1-Chlorobutane	5.444	56	12598	0.538	ug/l	94
43) Dibromomethane	6.917	93	3205	0.522	ug/l	94
44) Bromodichloromethane	7.103	83	8604	0.516	ug/l	96

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45) 4-Methyl-2-Pentanone	7.798	43	18934	2.761	ug/l	97
46) t-1,4-Dichloro-2-butene	10.839	75	2343m	1.274	ug/l	
47) Methyl methacrylate	6.968	69	5374	0.956	ug/l	85
48) Ethyl methacrylate	8.335	69	5634	0.499	ug/l	96
49) Toluene	7.965	92	15484	0.507	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	7129	0.470	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	9236	0.488	ug/l	92
52) 1,1,2-Trichloroethane	8.396	97	4425	0.524	ug/l	91
53) 1,3-Dichloropropane	8.573	76	8256	0.539	ug/l	99
54) 2-Hexanone	8.692	43	17683	2.663	ug/l	90
55) Dibromochloromethane	8.804	129	4789	0.475	ug/l	92
56) 1,2-Dibromoethane	8.920	107	4165	0.527	ug/l	95
58) Tetrachloroethene	8.547	164	6375	0.565	ug/l	90
59) Chlorobenzene	9.444	112	16831	0.501	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	5789	0.503	ug/l	93
61) Pentachloroethane	11.425	117	4211	0.496	ug/l	97
62) Hexachloroethane	12.470	117	4660	0.474	ug/l	92
63) Ethyl Benzene	9.566	91	31595	0.523	ug/l	100
64) m/p-Xylenes	9.688	106	23681	1.069	ug/l	99
65) o-Xylene	10.097	106	11167	0.508	ug/l	93
66) Styrene	10.113	104	16455	0.484	ug/l	93
67) Bromoform	10.290	173	2482	0.489	ug/l #	96
69) Isopropylbenzene	10.479	105	28419	0.487	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	5255	0.517	ug/l	94
71) 1,2,3-Trichloropropane	10.823	75	4482m	0.499	ug/l	
72) Bromobenzene	10.782	156	6176	0.494	ug/l	78
73) n-propylbenzene	10.901	120	8832	0.580	ug/l	97
74) 2-Chlorotoluene	10.984	126	6496	0.488	ug/l	93
75) 1,3,5-Trimethylbenzene	11.084	105	23983	0.486	ug/l	98
76) 4-Chlorotoluene	11.097	126	6772	0.505	ug/l	97
77) tert-Butylbenzene	11.415	119	23795	0.500	ug/l	99
78) 1,2,4-Trimethylbenzene	11.466	105	24645	0.494	ug/l	97
79) sec-Butylbenzene	11.640	105	30496	0.486	ug/l	99
80) Nitrobenzene	13.222	77	470	1.686	ug/l #	45
81) p-Isopropyltoluene	11.788	119	24151	0.468	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	12707	0.508	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	12751	0.515	ug/l	99
84) n-Butylbenzene	12.206	91	23047	0.468	ug/l	97
85) 1,2-Dichlorobenzene	12.212	146	11489	0.495	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	640	0.377	ug/l #	15
87) 1,2,4-Trichlorobenzene	13.839	180	6683	0.471	ug/l	91
88) Hexachlorobutadiene	14.016	225	4234	0.477	ug/l	99
89) Naphthalene	14.087	128	12009	0.484	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	6548	0.538	ug/l	93

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

