

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057774.D
 Acq On : 01 Feb 2024 12:56
 Operator : MD/SY
 Sample : P1187-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Feb 02 01:22:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 01:21:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

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

Internal Standards						
1) Fluorobenzene	6.110	96	45245	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	14620	0.853	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13550	0.878	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	11042	0.733	ug/l	100
3) Chloromethane	1.518	50	10692	0.740	ug/l	98
4) Vinyl Chloride	1.602	62	11658	0.791	ug/l	98
5) Bromomethane	1.856	94	7589	0.868	ug/l	98
6) Chloroethane	1.933	64	6557	0.704	ug/l	90
7) Trichlorofluoromethane	2.136	101	16651	0.738	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	8365	0.721	ug/l	95
9) 1,1-Dichloroethene	2.576	96	8320	0.740	ug/l	93
10) Iodomethane	2.717	142	9799	0.735	ug/l	96
11) Allyl Chloride	2.920	41	11214	0.735	ug/l	# 77
12) Acrylonitrile	3.345	53	2668	1.390	ug/l	# 92
13) Acetone	2.656	43	10859	3.127	ug/l	99
14) Carbon Disulfide	2.788	76	26875	0.747	ug/l	98
15) Methylene Chloride	3.039	84	10842	0.807	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	9658	0.787	ug/l	99
17) 1,1-Dichloroethane	3.862	63	17347	0.748	ug/l	98
18) 2-Butanone	4.734	43	13762	3.676	ug/l	99
19) Cyclohexane	5.383	56	14094	0.776	ug/l	93
20) Methylcyclohexane	6.756	83	16257	0.741	ug/l	96
21) 2,2-Dichloropropane	4.656	77	15690	0.762	ug/l	96
22) cis-1,2-Dichloroethene	4.660	96	10317	0.767	ug/l	99
23) Diethyl Ether	2.373	59	6478	0.798	ug/l	97
24) tert-Butyl Alcohol	3.354	59	7200m	7.805	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	20225	0.767	ug/l	# 87
26) Bromochloromethane	4.971	128	3697	0.684	ug/l	89
27) Chloroform	5.084	83	18325	0.761	ug/l	97
28) 1,1,1-Trichloroethane	5.312	97	16629	0.764	ug/l	98
29) 1,1-Dichloropropene	5.524	75	13134	0.746	ug/l	97
30) Carbon Tetrachloride	5.518	117	13997	0.747	ug/l	93
31) Isopropyl Ether	3.988	45	25896	0.764	ug/l	96
32) Ethyl-t-butyl ether	4.492	59	24008	0.762	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	19145	0.722	ug/l	96
34) Propionitrile	4.836	54	2969m	3.827	ug/l	
35) Benzene	5.772	78	38076	0.751	ug/l	98
36) 1,2-Dichloroethane	5.791	62	11048	0.748	ug/l	# 93
37) Trichloroethene	6.540	130	9996	0.743	ug/l	94
38) 1,2-Dichloropropane	6.788	63	9624	0.732	ug/l	99
39) Methacrylonitrile	4.997	41	1835	0.593	ug/l	# 66
40) Methyl acrylate	4.875	55	3367m	0.723	ug/l	
41) Tetrahydrofuran	5.081	42	2091	1.266	ug/l	# 81
42) 1-Chlorobutane	5.454	56	17550	0.756	ug/l	96
43) Dibromomethane	6.917	93	4626	0.765	ug/l	99
44) Bromodichloromethane	7.097	83	12625	0.746	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	22499	3.493	ug/l	99
46) t-1,4-Dichloro-2-butene	10.836	75	2326m	1.590	ug/l	
47) Methyl methacrylate	6.965	69	7703	1.443	ug/l	91
48) Ethyl methacrylate	8.335	69	7503	0.701	ug/l	93
49) Toluene	7.965	92	22451	0.725	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	10473	0.717	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	13141	0.710	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	6465	0.776	ug/l	88
53) 1,3-Dichloropropane	8.573	76	10690	0.714	ug/l	94
54) 2-Hexanone	8.688	43	19762	3.333	ug/l	96
55) Dibromochloromethane	8.804	129	6912	0.671	ug/l	97
56) 1,2-Dibromoethane	8.923	107	5653	0.738	ug/l	99
58) Tetrachloroethene	8.550	164	9135	0.769	ug/l	93
59) Chlorobenzene	9.444	112	24863	0.726	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	8679	0.747	ug/l	92
61) Pentachloroethane	11.425	117	5481	0.649	ug/l	93
62) Hexachloroethane	12.470	117	5663	0.615	ug/l	100
63) Ethyl Benzene	9.566	91	42384	0.696	ug/l	99
64) m/p-Xylenes	9.691	106	30960	1.400	ug/l	97
65) o-Xylene	10.097	106	15182	0.694	ug/l	95
66) Styrene	10.113	104	20707	0.634	ug/l	92
67) Bromoform	10.286	173	3589	0.676	ug/l	100
69) Isopropylbenzene	10.479	105	38749	0.675	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	7322	0.702	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	6244m	0.725	ug/l	
72) Bromobenzene	10.781	156	8709	0.690	ug/l	97
73) n-propylbenzene	10.900	120	10085	0.700	ug/l	99
74) 2-Chlorotoluene	10.981	126	9111	0.681	ug/l	89
75) 1,3,5-Trimethylbenzene	11.084	105	34144	0.693	ug/l	100
76) 4-Chlorotoluene	11.093	126	9284	0.691	ug/l	91
77) tert-Butylbenzene	11.415	119	32052	0.693	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	33217	0.665	ug/l	98
79) sec-Butylbenzene	11.637	105	43487	0.736	ug/l	98
80) Nitrobenzene	13.228	77	482m	2.356	ug/l	
81) p-Isopropyltoluene	11.788	119	34216	0.687	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	17297	0.678	ug/l	94
83) 1,4-Dichlorobenzene	11.833	146	18011	0.723	ug/l	99
84) n-Butylbenzene	12.206	91	32542	0.683	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	16460	0.711	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	846	0.592	ug/l	96
87) 1,2,4-Trichlorobenzene	13.839	180	9375	0.677	ug/l	99
88) Hexachlorobutadiene	14.013	225	6614	0.745	ug/l	93
89) Naphthalene	14.090	128	13579	0.636	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.331	180	7497	0.651	ug/l	96

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

