

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
 Data File : VU057805.D
 Acq On : 05 Feb 2024 13:24
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 06 01:02:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 00:58:29 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	44490	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	16084	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14296	0.966	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	75980	5.134	ug/l	100
3) Chloromethane	1.518	50	72036	5.046	ug/l	99
4) Vinyl Chloride	1.602	62	75698	5.217	ug/l	99
5) Bromomethane	1.853	94	42614	5.017	ug/l	99
6) Chloroethane	1.923	64	43688	4.784	ug/l	100
7) Trichlorofluoromethane	2.123	101	110126	5.179	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	56105	4.933	ug/l	97
9) 1,1-Dichloroethene	2.570	96	55063	5.024	ug/l	98
10) Iodomethane	2.711	142	87895	6.591	ug/l	93
11) Allyl Chloride	2.911	41	83801	5.529	ug/l	90
12) Acrylonitrile	3.309	53	24734	12.757	ug/l	96
13) Acetone	2.624	43	99851	29.606	ug/l	93
14) Carbon Disulfide	2.782	76	176119	5.008	ug/l	99
15) Methylene Chloride	3.033	84	66370	5.040	ug/l	98
16) trans-1,2-Dichloroethene	3.341	96	60834	5.085	ug/l	97
17) 1,1-Dichloroethane	3.856	63	123095	5.387	ug/l	99
18) 2-Butanone	4.708	43	114865	31.128	ug/l	96
19) Cyclohexane	5.373	56	95216	5.298	ug/l	94
20) Methylcyclohexane	6.753	83	110011	5.122	ug/l	96
21) 2,2-Dichloropropane	4.650	77	110727	5.496	ug/l	95
22) cis-1,2-Dichloroethene	4.656	96	65743	5.034	ug/l	91
23) Diethyl Ether	2.367	59	43197	5.390	ug/l	97
24) tert-Butyl Alcohol	3.203	59	26940	32.837	ug/l #	1
25) Methyl tert-Butyl Ether	3.358	73	143279	5.502	ug/l	92
26) Bromochloromethane	4.962	128	25407	4.843	ug/l	89
27) Chloroform	5.078	83	121486	5.155	ug/l	99
28) 1,1,1-Trichloroethane	5.303	97	109661	5.174	ug/l	99
29) 1,1-Dichloropropene	5.515	75	91359	5.304	ug/l	97
30) Carbon Tetrachloride	5.512	117	96186	5.252	ug/l	100
31) Isopropyl Ether	3.988	45	188409	5.581	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	183144	5.843	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	156645	5.928	ug/l	99
34) Propionitrile	4.779	54	23032	30.217	ug/l #	14
35) Benzene	5.763	78	258930	5.211	ug/l	100
36) 1,2-Dichloroethane	5.785	62	76970	5.305	ug/l	98
37) Trichloroethene	6.534	130	66835	5.091	ug/l	100
38) 1,2-Dichloropropane	6.785	63	69744	5.383	ug/l	99
39) Methacrylonitrile	4.972	41	20104	6.444	ug/l	95
40) Methyl acrylate	4.843	55	33726	7.230	ug/l #	97
41) Tetrahydrofuran	5.058	42	19623	11.964	ug/l	98
42) 1-Chlorobutane	5.447	56	119646	5.258	ug/l	94
43) Dibromomethane	6.914	93	32304	5.447	ug/l	96
44) Bromodichloromethane	7.100	83	86044	5.186	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	177910	29.251	ug/l	98
46) t-1,4-Dichloro-2-butene	10.836	75	22050m	12.866	ug/l	
47) Methyl methacrylate	6.962	69	59642	11.309	ug/l	94
48) Ethyl methacrylate	8.332	69	58466	5.573	ug/l	96
49) Toluene	7.962	92	156278	5.153	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	79012	5.486	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	96172	5.296	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	43893	5.353	ug/l	99
53) 1,3-Dichloropropane	8.570	76	79381	5.370	ug/l	100
54) 2-Hexanone	8.685	43	165169	28.707	ug/l	97
55) Dibromochloromethane	8.804	129	51607	5.112	ug/l	99
56) 1,2-Dibromoethane	8.920	107	41970	5.576	ug/l	99
58) Tetrachloroethene	8.547	164	57553	4.971	ug/l	96
59) Chlorobenzene	9.441	112	172637	5.177	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	60251	5.304	ug/l	99
61) Pentachloroethane	11.422	117	43384	5.314	ug/l	89
62) Hexachloroethane	12.470	117	51854	5.749	ug/l	94
63) Ethyl Benzene	9.563	91	311731	5.251	ug/l	99
64) m/p-Xylenes	9.688	106	228276	10.598	ug/l	98
65) o-Xylene	10.094	106	113819	5.340	ug/l	97
66) Styrene	10.110	104	178561	5.604	ug/l	96
67) Bromoform	10.286	173	26863	5.229	ug/l	99
69) Isopropylbenzene	10.479	105	301703	5.404	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	52580	5.182	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	44976m	5.408	ug/l	
72) Bromobenzene	10.778	156	63407	5.196	ug/l	97
73) n-propylbenzene	10.901	120	78582	5.576	ug/l	99
74) 2-Chlorotoluene	10.981	126	68450	5.285	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	253390	5.273	ug/l	99
76) 4-Chlorotoluene	11.094	126	67987	5.208	ug/l	92
77) tert-Butylbenzene	11.415	119	244699	5.418	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	255815	5.251	ug/l	99
79) sec-Butylbenzene	11.637	105	318400	5.468	ug/l	99
80) Nitrobenzene	13.206	77	7432	35.205	ug/l #	90
81) p-Isopropyltoluene	11.788	119	264418	5.434	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	126896	5.132	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	126376	5.217	ug/l	97
84) n-Butylbenzene	12.203	91	249244	5.393	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	117870	5.219	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	8847	6.247	ug/l	94
87) 1,2,4-Trichlorobenzene	13.836	180	71917	5.360	ug/l	98
88) Hexachlorobutadiene	14.016	225	43373	5.027	ug/l	98
89) Naphthalene	14.084	128	122292	5.895	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	59457	5.273	ug/l	96

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

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