

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057773.D
 Acq On : 01 Feb 2024 12:32
 Operator : MD/SY
 Sample : P1187-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 02 01:22:06 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	44575	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14745	0.874	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13018	0.856	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	4222	0.284	ug/l	86
3) Chloromethane	1.518	50	5021	0.353	ug/l	98
4) Vinyl Chloride	1.602	62	4584	0.316	ug/l	96
5) Bromomethane	1.856	94	3147	0.365	ug/l	99
6) Chloroethane	1.933	64	2938	0.320	ug/l	96
7) Trichlorofluoromethane	2.133	101	6733	0.303	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	3501	0.306	ug/l	92
9) 1,1-Dichloroethene	2.573	96	3518	0.318	ug/l	87
10) Iodomethane	2.718	142	3953	0.301	ug/l	99
11) Allyl Chloride	2.917	41	4723	0.314	ug/l	85
12) Acrylonitrile	3.348	53	811	0.429	ug/l	# 83
13) Acetone	2.653	43	5657	1.653	ug/l	90
14) Carbon Disulfide	2.789	76	11396	0.321	ug/l	96
15) Methylene Chloride	3.043	84	5394	0.408	ug/l	88
16) trans-1,2-Dichloroethene	3.354	96	4034	0.334	ug/l	92
17) 1,1-Dichloroethane	3.866	63	6810	0.298	ug/l	# 95
18) 2-Butanone	4.747	43	4895m	1.327	ug/l	
19) Cyclohexane	5.386	56	6253	0.349	ug/l	94
20) Methylcyclohexane	6.756	83	6394	0.296	ug/l	97
21) 2,2-Dichloropropane	4.660	77	6250	0.308	ug/l	# 90
22) cis-1,2-Dichloroethene	4.673	96	4017	0.303	ug/l	95
23) Diethyl Ether	2.374	59	2616	0.327	ug/l	93
24) tert-Butyl Alcohol	3.319	59	2578m	2.837	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	8343	0.321	ug/l	92
26) Bromochloromethane	4.968	128	1397m	0.263	ug/l	
27) Chloroform	5.081	83	7665	0.323	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	6544	0.305	ug/l	98
29) 1,1-Dichloropropene	5.521	75	5855	0.338	ug/l	89
30) Carbon Tetrachloride	5.518	117	5482	0.297	ug/l	89
31) Isopropyl Ether	3.985	45	10321	0.309	ug/l	96
32) Ethyl-t-butyl ether	4.489	59	9761	0.315	ug/l	96
33) Tert-Amyl methyl ether	5.933	73	7683	0.294	ug/l	97
34) Propionitrile	4.830	54	201	0.263	ug/l	# 1
35) Benzene	5.772	78	15531	0.311	ug/l	99
36) 1,2-Dichloroethane	5.792	62	4479	0.308	ug/l	# 86
37) Trichloroethene	6.541	130	4364	0.329	ug/l	90
38) 1,2-Dichloropropane	6.788	63	3907	0.302	ug/l	99
39) Methacrylonitrile	5.004	41	647	0.212	ug/l	# 58
41) Tetrahydrofuran	5.065	42	1149m	0.706	ug/l	
42) 1-Chlorobutane	5.454	56	6746	0.295	ug/l	90
43) Dibromomethane	6.917	93	1855	0.312	ug/l	89
44) Bromodichloromethane	7.103	83	5009	0.300	ug/l	95
45) 4-Methyl-2-Pentanone	7.795	43	9638	1.519	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.849	75	731m	0.507	ug/l	
47) Methyl methacrylate	6.968	69	2806	0.534	ug/l #	87
48) Ethyl methacrylate	8.335	69	2918	0.277	ug/l	92
49) Toluene	7.968	92	9320	0.306	ug/l	96
50) t-1,3-Dichloropropene	8.213	75	4002	0.278	ug/l	94
51) cis-1,3-Dichloropropene	7.605	75	5524	0.303	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	2467	0.301	ug/l #	91
53) 1,3-Dichloropropane	8.573	76	4333	0.294	ug/l	96
54) 2-Hexanone	8.692	43	8359	1.431	ug/l	99
55) Dibromochloromethane	8.804	129	2664	0.262	ug/l	96
56) 1,2-Dibromoethane	8.923	107	2384	0.316	ug/l	88
58) Tetrachloroethene	8.550	164	3425	0.293	ug/l	83
59) Chlorobenzene	9.447	112	10331	0.306	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	3317	0.290	ug/l	95
61) Pentachloroethane	11.422	117	2193	0.264	ug/l	86
62) Hexachloroethane	12.470	117	2283	0.252	ug/l	99
63) Ethyl Benzene	9.566	91	17538	0.292	ug/l	96
64) m/p-Xylenes	9.692	106	13362	0.613	ug/l	97
65) o-Xylene	10.097	106	6236	0.289	ug/l	89
66) Styrene	10.116	104	9002	0.280	ug/l	95
67) Bromoform	10.290	173	1489	0.285	ug/l #	85
69) Isopropylbenzene	10.480	105	16866	0.298	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	2949	0.287	ug/l	99
71) 1,2,3-Trichloropropane	10.824	75	2409m	0.284	ug/l	
72) Bromobenzene	10.782	156	3611	0.290	ug/l	80
73) n-propylbenzene	10.904	120	4272	0.301	ug/l	95
74) 2-Chlorotoluene	10.981	126	3839	0.291	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	13905	0.286	ug/l	99
76) 4-Chlorotoluene	11.097	126	4055	0.306	ug/l	93
77) tert-Butylbenzene	11.415	119	13559	0.298	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	14271	0.290	ug/l	97
79) sec-Butylbenzene	11.637	105	17668	0.303	ug/l	94
80) Nitrobenzene	13.245	77	47	0.233	ug/l #	40
81) p-Isopropyltoluene	11.788	119	13992	0.285	ug/l	92
82) 1,3-Dichlorobenzene	11.746	146	7424	0.295	ug/l	99
83) 1,4-Dichlorobenzene	11.840	146	7756	0.316	ug/l	98
84) n-Butylbenzene	12.206	91	13792	0.294	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	6933	0.304	ug/l	93
86) 1,2-Dibromo-3-Chloropr...	12.997	75	332	0.236	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.843	180	4375	0.321	ug/l	93
88) Hexachlorobutadiene	14.016	225	2932	0.335	ug/l	94
89) Naphthalene	14.094	128	7385	0.351	ug/l #	93
90) 1,2,3-Trichlorobenzene	14.331	180	3703	0.326	ug/l	93

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

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