Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
Data File : VU059156.D
Acq On : 05 Jun 2024 18:26
Operator : MD/SY
Sample : P2403-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
Supervised By :Semsettin Yesilyurt 06/10/2024

Quant Time: Jun 06 04:01:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 06 04:01:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.110	96	40154	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	12282	0.899	ug/l		0.00
Spiked Amount 1.000			Recovery =	90.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	12008	0.840	ug/l		0.00
Spiked Amount 1.000			Recovery =	84.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	3232	0.257	ug/l		96
3) Chloromethane	1.515	50	4120	0.272	ug/l		93
4) Vinyl Chloride	1.599	62	4206	0.275	ug/l		97
5) Bromomethane	1.853	94	2789	0.300	ug/l		96
6) Chloroethane	1.930	64	2381	0.242	ug/l	#	73
7) Trichlorofluoromethane	2.136	101	4426	0.233	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2658	0.272	ug/l		96
9) 1,1-Dichloroethene	2.573	96	2850	0.295	ug/l		98
10) Iodomethane	2.718	142	2781	0.229	ug/l		91
11) Allyl Chloride	2.917	41	3541	0.271	ug/l		97
12) Acrylonitrile	3.351	53	1095m	0.501	ug/l		
13) Acetone	2.653	43	3295m	0.991	ug/l		
14) Carbon Disulfide	2.785	76	9117	0.296	ug/l		98
15) Methylene Chloride	3.039	84	13055	0.985	ug/l		98
16) trans-1,2-Dichloroethene	3.351	96	2803	0.266	ug/l		84
17) 1,1-Dichloroethane	3.872	63	5646	0.255	ug/l	#	84
18) 2-Butanone	4.753	43	3593m	0.974	ug/l		
19) Cyclohexane	5.380	56	3816	0.239	ug/l	#	91
20) Methylcyclohexane	6.759	83	3646	0.227	ug/l		93
21) 2,2-Dichloropropane	4.663	77	3826	0.234	ug/l		99
22) cis-1,2-Dichloroethene	4.663	96	3322	0.290	ug/l		89
23) Diethyl Ether	2.374	59	2332	0.257	ug/l	#	88
24) tert-Butyl Alcohol	3.261	59	1723m	2.776	ug/l		
25) Methyl tert-Butyl Ether	3.361	73	5960	0.257	ug/l		97
26) Bromochloromethane	4.975	128	1350	0.279	ug/l		88
27) Chloroform	5.081	83	5970	0.269	ug/l		93
28) 1,1,1-Trichloroethane	5.309	97	4714	0.269	ug/l		89
29) 1,1-Dichloropropene	5.525	75	3535	0.241	ug/l		93
30) Carbon Tetrachloride	5.525	117	3404m	0.237	ug/l		
31) Isopropyl Ether	3.988	45	7237	0.250	ug/l		69
32) Ethyl-t-butyl ether	4.496	59	6752	0.250	ug/l		98
33) Tert-Amyl methyl ether	5.936	73	5265	0.221	ug/l		98
34) Propionitrile	4.837	54	929m	1.100	ug/l		
35) Benzene	5.772	78	11052	0.239	ug/l		97
36) 1,2-Dichloroethane	5.798	62	3529	0.258	ug/l	#	84
37) Trichloroethene	6.541	130	3126	0.284	ug/l		95
38) 1,2-Dichloropropane	6.785	63	3161	0.241	ug/l		100
41) Tetrahydrofuran	5.091	42	861m	0.511	ug/l		
42) 1-Chlorobutane	5.457	56	4975	0.245	ug/l		98
43) Dibromomethane	6.917	93	1827	0.308	ug/l		88
44) Bromodichloromethane	7.103	83	3851	0.250	ug/l		93
45) 4-Methyl-2-Pentanone	7.795	43	8044	1.264	ug/l	#	95
46) t-1,4-Dichloro-2-butene	10.833	75	1438m	0.533	ug/l		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl methacrylate	6.968	69	1779	0.349	ug/l	#	73
48) Ethyl methacrylate	8.338	69	1864	0.207	ug/l		97
49) Toluene	7.972	92	5652	0.222	ug/l		88
50) t-1,3-Dichloropropene	8.213	75	3189	0.242	ug/l	#	89
51) cis-1,3-Dichloropropene	7.605	75	4013	0.249	ug/l		96
52) 1,1,2-Trichloroethane	8.396	97	2181	0.249	ug/l	#	75
53) 1,3-Dichloropropane	8.576	76	3992	0.264	ug/l		95
54) 2-Hexanone	8.698	43	5276	1.070	ug/l		88
55) Dibromochloromethane	8.804	129	2233	0.235	ug/l		94
56) 1,2-Dibromoethane	8.920	107	1954	0.254	ug/l		81
58) Tetrachloroethene	8.550	164	2714	0.267	ug/l		94
59) Chlorobenzene	9.451	112	7634	0.274	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.531	131	2491	0.250	ug/l		97
61) Pentachloroethane	11.422	117	1847	0.239	ug/l		84
62) Hexachloroethane	12.467	117	1884	0.240	ug/l		100
63) Ethyl Benzene	9.570	91	11047	0.235	ug/l		99
64) m/p-Xylenes	9.695	106	7285	0.411	ug/l		96
65) o-Xylene	10.097	106	3619	0.207	ug/l		99
67) Bromoform	10.287	173	1404	0.273	ug/l	#	83
69) Isopropylbenzene	10.480	105	9311	0.208	ug/l		95
70) 1,1,2,2-Tetrachloroethane	10.779	83	3185	0.289	ug/l	#	92
71) 1,2,3-Trichloropropane	10.824	75	2332m	0.277	ug/l		
72) Bromobenzene	10.788	156	3129	0.292	ug/l		95
73) n-propylbenzene	10.904	120	2434	0.203	ug/l		82
74) 2-Chlorotoluene	10.988	126	2192	0.200	ug/l		97
76) 4-Chlorotoluene	11.100	126	2660	0.233	ug/l		85
77) tert-Butylbenzene	11.418	119	7607	0.212	ug/l		98
80) Nitrobenzene	13.241	77	382m	1.618	ug/l		
82) 1,3-Dichlorobenzene	11.746	146	5915	0.260	ug/l		97
83) 1,4-Dichlorobenzene	11.836	146	6304	0.277	ug/l		92
84) n-Butylbenzene	12.209	91	8060	0.224	ug/l		96
85) 1,2-Dichlorobenzene	12.213	146	5806	0.271	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.007	75	390	0.260	ug/l	#	88
87) 1,2,4-Trichlorobenzene	13.843	180	4286	0.373	ug/l		98
88) Hexachlorobutadiene	14.016	225	2037	0.284	ug/l		96
89) Naphthalene	14.094	128	10568	0.580	ug/l	#	93
90) 1,2,3-Trichlorobenzene	14.331	180	4582	0.439	ug/l		94

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

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