Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
Data File : VU047838.D
Acq On : 06 Apr 2022 19:21
Operator : SY/MD
Sample : MDL01 0.8ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01 0.8ppb

Quant Time: Apr 11 03:49:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Apr 11 03:41:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	46579	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	15019	0.892	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	20311	0.999	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	13812	0.833	ug/l	97
3) Chloromethane	1.527	50	15187	0.818	ug/l	99
4) Vinyl Chloride	1.607	62	14024	0.853	ug/l	97
5) Bromomethane	1.861	94	8331	0.802	ug/l	95
6) Chloroethane	1.938	64	8878	0.869	ug/l	97
7) Trichlorofluoromethane	2.144	101	18396	0.838	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	10688	0.843	ug/l	97
9) 1,1-Dichloroethene	2.584	96	10618	0.843	ug/l	97
10) Iodomethane	2.729	142	6918	0.800	ug/l	99
11) Allyl Chloride	2.928	41	14257	0.825	ug/l	99
12) Acrylonitrile	3.327	53	5320	1.678	ug/l	95
13) Acetone	2.642	43	10621	4.220	ug/l	98
14) Carbon Disulfide	2.797	76	32242	0.809	ug/l	99
15) Methylene Chloride	3.051	84	13956	0.697	ug/l	97
16) trans-1,2-Dichloroethene	3.353	96	11574	0.839	ug/l	96
17) 1,1-Dichloroethane	3.874	63	18791	0.830	ug/l	97
18) 2-Butanone	4.732	43	13855	4.131	ug/l	98
19) Cyclohexane	5.388	56	12340m	0.720	ug/l	
20) Methylcyclohexane	6.767	83	13128	0.687	ug/l	96
21) 2,2-Dichloropropane	4.668	77	14091	0.759	ug/l	97
22) cis-1,2-Dichloroethene	4.671	96	11276	0.794	ug/l	98
23) Diethyl Ether	2.382	59	7244	0.771	ug/l #	91
24) tert-Butyl Alcohol	3.234	59	9456	9.284	ug/l #	84
25) Methyl tert-Butyl Ether	3.372	73	25975	0.829	ug/l	93
26) Bromochloromethane	4.980	128	5974	0.846	ug/l	98
27) Chloroform	5.092	83	20244	0.841	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	16529	0.812	ug/l	98
29) 1,1-Dichloropropene	5.530	75	12778	0.742	ug/l	99
30) Carbon Tetrachloride	5.526	117	14046	0.793	ug/l	99
31) Isopropyl Ether	4.006	45	23657	0.755	ug/l	93
32) Ethyl-t-butyl ether	4.510	59	22318	0.735	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	19228	0.700	ug/l	99
34) Propionitrile	4.806	54	4242	3.927	ug/l #	89
35) Benzene	5.777	78	40740	0.792	ug/l	97
36) 1,2-Dichloroethane	5.800	62	12958	0.856	ug/l	98
37) Trichloroethene	6.546	130	11840	0.794	ug/l	99
38) 1,2-Dichloropropane	6.793	63	10362	0.792	ug/l	100
39) Methacrylonitrile	4.993	41	2712	0.705	ug/l #	92
40) Methyl acrylate	4.867	55	4351m	0.693	ug/l	
41) Tetrahydrofuran	5.079	42	3334	1.537	ug/l	95
42) 1-Chlorobutane	5.465	56	16881	0.760	ug/l	91
43) Dibromomethane	6.922	93	5896	0.785	ug/l	99
44) Bromodichloromethane	7.108	83	13630	0.785	ug/l #	97

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MDL01 0.8ppb

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	27332	3.548	ug/l		97
46) t-1,4-Dichloro-2-butene	10.835	75	4761m	1.308	ug/l		
47) Methyl methacrylate	6.967	69	7907	1.313	ug/l		94
48) Ethyl methacrylate	8.337	69	6969	0.628	ug/l		97
49) Toluene	7.973	92	22352	0.714	ug/l		96
50) t-1,3-Dichloropropene	8.214	75	11141	0.726	ug/l		99
51) cis-1,3-Dichloropropene	7.613	75	13131	0.744	ug/l		98
52) 1,1,2-Trichloroethane	8.404	97	8690	0.819	ug/l		95
53) 1,3-Dichloropropane	8.578	76	13528	0.778	ug/l		99
54) 2-Hexanone	8.693	43	19216	3.469	ug/l		94
55) Dibromochloromethane	8.812	129	9575	0.757	ug/l		96
56) 1,2-Dibromoethane	8.925	107	7725	0.762	ug/l		97
58) Tetrachloroethene	8.555	164	10655	0.797	ug/l		96
59) Chlorobenzene	9.449	112	27710	0.753	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	10578	0.809	ug/l		98
61) Pentachloroethane	11.426	117	8984	0.825	ug/l		88
62) Hexachloroethane	12.475	117	7758	0.782	ug/l		97
63) Ethyl Benzene	9.571	91	36231	0.638	ug/l		93
64) m/p-Xylenes	9.697	106	28937	1.280	ug/l		98
65) o-Xylene	10.102	106	13625	0.631	ug/l		97
66) Styrene	10.115	104	23257	0.636	ug/l		99
67) Bromoform	10.295	173	6426	0.799	ug/l		100
69) Isopropylbenzene	10.484	105	36453	0.645	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.783	83	10906	0.796	ug/l		98
71) 1,2,3-Trichloropropane	10.828	75	8390m	0.805	ug/l		
72) Bromobenzene	10.783	156	12626	0.744	ug/l		100
73) n-propylbenzene	10.906	120	9708	0.601	ug/l		89
74) 2-Chlorotoluene	10.989	126	10185	0.667	ug/l		95
75) 1,3,5-Trimethylbenzene	11.089	105	28859	0.601	ug/l		97
76) 4-Chlorotoluene	11.098	126	10698	0.663	ug/l		96
77) tert-Butylbenzene	11.423	119	31657	0.650	ug/l		96
78) 1,2,4-Trimethylbenzene	11.471	105	29132	0.592	ug/l		98
79) sec-Butylbenzene	11.645	105	39470	0.620	ug/l		100
80) Nitrobenzene	13.214	77	1854	3.572	ug/l	#	94
81) p-Isopropyltoluene	11.796	119	31826	0.597	ug/l		97
82) 1,3-Dichlorobenzene	11.748	146	25611	0.752	ug/l		99
83) 1,4-Dichlorobenzene	11.838	146	25332	0.743	ug/l		98
84) n-Butylbenzene	12.211	91	31297	0.616	ug/l		98
85) 1,2-Dichlorobenzene	12.214	146	24604	0.761	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	1731	0.793	ug/l		90
87) 1,2,4-Trichlorobenzene	13.844	180	15562	0.662	ug/l		98
88) Hexachlorobutadiene	14.024	225	10587	0.759	ug/l		97
89) Naphthalene	14.089	128	20812	0.564	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	14526	0.666	ug/l		98

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

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