Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
Data File : VU053472.D
Acq On : 29 Mar 2023 18:31
Operator : JC/MD
Sample : VU0329WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 14:09:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 30 13:33:10 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0329WBSD01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.108	96	43677	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	14871	0.943	ug/l	0.00
Spiked Amount 1.000			Recovery = 94.000%			
68) 1,2-Dichlorobenzene-d4	12.188	152	15970	1.009	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	31062	1.967	ug/l	99
3) Chloromethane	1.520	50	31620	1.966	ug/l	93
4) Vinyl Chloride	1.604	62	33630	1.979	ug/l	98
5) Bromomethane	1.858	94	28245	2.007	ug/l	99
6) Chloroethane	1.932	64	19705	1.814	ug/l	93
7) Trichlorofluoromethane	2.137	101	48384	1.901	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	25026	1.984	ug/l	96
9) 1,1-Dichloroethene	2.578	96	22903	1.985	ug/l	95
10) Iodomethane	2.719	142	22406	2.109	ug/l	96
11) Allyl Chloride	2.922	41	25996	1.996	ug/l	91
12) Acrylonitrile	3.317	53	8631	3.851	ug/l	96
13) Acetone	2.639	43	24330	5.534	ug/l	100
14) Carbon Disulfide	2.790	76	65873	1.862	ug/l	96
15) Methylene Chloride	3.041	84	29012	0.506	ug/l	95
16) trans-1,2-Dichloroethene	3.353	96	25117	2.107	ug/l	93
17) 1,1-Dichloroethane	3.864	63	46495	2.137	ug/l	96
18) 2-Butanone	4.710	43	29823	6.665	ug/l	95
19) Cyclohexane	5.388	56	36341	2.028	ug/l	89
20) Methylcyclohexane	6.761	83	45364	2.027	ug/l	94
21) 2,2-Dichloropropane	4.661	77	38367	2.060	ug/l	94
22) cis-1,2-Dichloroethene	4.661	96	25208	1.946	ug/l	92
23) Diethyl Ether	2.375	59	18041	1.970	ug/l	94
24) tert-Butyl Alcohol	3.211	59	17362m	20.854	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	52517	2.053	ug/l	97
26) Bromochloromethane	4.973	128	11250	2.155	ug/l	95
27) Chloroform	5.086	83	45710	2.024	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	39141	2.010	ug/l	98
29) 1,1-Dichloropropene	5.520	75	34202	2.030	ug/l	99
30) Carbon Tetrachloride	5.520	117	31579	2.037	ug/l	96
31) Isopropyl Ether	3.989	45	61733	2.062	ug/l	98
32) Ethyl-t-butyl ether	4.497	59	66517	2.163	ug/l	97
33) Tert-Amyl methyl ether	5.935	73	57353	2.098	ug/l	98
34) Propionitrile	4.787	54	8536m	10.623	ug/l	
35) Benzene	5.771	78	102845	2.086	ug/l	96
36) 1,2-Dichloroethane	5.790	62	28420	2.007	ug/l #	93
37) Trichloroethene	6.539	130	25534	2.060	ug/l	96
38) 1,2-Dichloropropane	6.783	63	26411	2.091	ug/l	99
39) Methacrylonitrile	4.970	41	5958	1.935	ug/l	90
40) Methyl acrylate	4.845	55	10345	1.853	ug/l #	92
41) Tetrahydrofuran	5.057	42	5893	3.666	ug/l #	82
42) 1-Chlorobutane	5.452	56	45186	2.016	ug/l	96
43) Dibromomethane	6.915	93	12614	2.096	ug/l	91
44) Bromodichloromethane	7.099	83	29877	1.986	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	61538	9.859	ug/l		96
46) t-1,4-Dichloro-2-butene	10.825	75	13075m	4.074	ug/l		
47) Methyl methacrylate	6.957	69	21596	3.903	ug/l		98
48) Ethyl methacrylate	8.330	69	20496	1.910	ug/l		99
49) Toluene	7.967	92	59251	1.961	ug/l		97
50) t-1,3-Dichloropropene	8.208	75	29068	2.086	ug/l		92
51) cis-1,3-Dichloropropene	7.603	75	35057	2.031	ug/l		97
52) 1,1,2-Trichloroethane	8.398	97	18215	2.088	ug/l		96
53) 1,3-Dichloropropane	8.571	76	32825	2.181	ug/l		97
54) 2-Hexanone	8.680	43	45644	6.970	ug/l		94
55) Dibromochloromethane	8.806	129	17772	2.001	ug/l		99
56) 1,2-Dibromoethane	8.918	107	16760	2.085	ug/l		96
58) Tetrachloroethene	8.549	164	22523	1.943	ug/l	#	86
59) Chlorobenzene	9.443	112	66255	1.992	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.529	131	21063	2.083	ug/l		95
61) Pentachloroethane	11.426	117	14743	2.075	ug/l		93
62) Hexachloroethane	12.475	117	14937	1.949	ug/l		83
63) Ethyl Benzene	9.565	91	114903	1.970	ug/l		98
64) m/p-Xylenes	9.690	106	89080	3.994	ug/l		95
65) o-Xylene	10.095	106	43122	1.976	ug/l		96
66) Styrene	10.111	104	66567	1.984	ug/l		97
67) Bromoform	10.285	173	8272	2.043	ug/l	#	97
69) Isopropylbenzene	10.481	105	114965	2.012	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.777	83	21880	2.083	ug/l		93
71) 1,2,3-Trichloropropane	10.819	75	14319m	1.805	ug/l		
72) Bromobenzene	10.777	156	24205	2.022	ug/l		92
73) n-propylbenzene	10.902	120	31246	2.069	ug/l		95
74) 2-Chlorotoluene	10.983	126	25940	1.987	ug/l		94
75) 1,3,5-Trimethylbenzene	11.086	105	95318	1.986	ug/l		100
76) 4-Chlorotoluene	11.095	126	26488	1.954	ug/l		94
77) tert-Butylbenzene	11.417	119	89989	2.023	ug/l		98
78) 1,2,4-Trimethylbenzene	11.465	105	100009	2.046	ug/l		97
79) sec-Butylbenzene	11.639	105	127401	1.988	ug/l		100
80) Nitrobenzene	13.211	77	2307	8.742	ug/l	#	97
81) p-Isopropyltoluene	11.790	119	98997	1.967	ug/l		99
82) 1,3-Dichlorobenzene	11.741	146	50906	1.995	ug/l		98
83) 1,4-Dichlorobenzene	11.835	146	52236	2.023	ug/l		97
84) n-Butylbenzene	12.204	91	99288	1.997	ug/l		98
85) 1,2-Dichlorobenzene	12.208	146	48402	2.002	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	2875	1.802	ug/l		93
87) 1,2,4-Trichlorobenzene	13.838	180	28563	2.025	ug/l		96
88) Hexachlorobutadiene	14.018	225	13239	1.963	ug/l		97
89) Naphthalene	14.082	128	56886	2.005	ug/l		98
90) 1,2,3-Trichlorobenzene	14.327	180	25396	2.090	ug/l		98

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

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