Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101624\
Data File : VU061133.D
Acq On : 16 Oct 2024 10:27
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 04:50:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 17 04:49:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/17/2024
Supervised By :Semsettin Yesilyurt 10/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	29315	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	14367	0.949	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	14079	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5402	0.946	ug/l	92
3) Chloromethane	1.515	50	3888	0.993	ug/l	99
4) Vinyl Chloride	1.599	62	4437	0.964	ug/l	96
5) Bromomethane	1.853	94	3190	1.033	ug/l	93
6) Chloroethane	1.927	64	4275	0.891	ug/l	95
7) Trichlorofluoromethane	2.132	101	10609	0.958	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	6679	0.936	ug/l	97
9) 1,1-Dichloroethene	2.573	96	4847	0.956	ug/l	98
10) Iodomethane	2.718	142	3401	0.742	ug/l	93
11) Allyl Chloride	2.914	41	7817	0.954	ug/l	90
12) Acrylonitrile	3.345	53	3471m	1.684	ug/l	
13) Acetone	2.637	43	14979m	4.712	ug/l	
14) Carbon Disulfide	2.788	76	4028	0.995	ug/l #	93
15) Methylene Chloride	3.039	84	8310	0.953	ug/l	99
16) trans-1,2-Dichloroethene	3.351	96	5471	0.955	ug/l	91
17) 1,1-Dichloroethane	3.859	63	15544	0.905	ug/l	100
18) 2-Butanone	4.724	43	16894m	4.667	ug/l	
19) Cyclohexane	5.377	56	6972m	0.966	ug/l	
20) Methylcyclohexane	6.756	83	8830	0.962	ug/l	98
21) 2,2-Dichloropropane	4.650	77	15588	0.936	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	9265	0.956	ug/l	96
23) Diethyl Ether	2.370	59	5360	0.965	ug/l	87
24) tert-Butyl Alcohol	3.210	59	9297	9.972	ug/l #	89
25) Methyl tert-Butyl Ether	3.354	73	23784	0.932	ug/l	95
26) Bromochloromethane	4.972	128	4017	0.994	ug/l	85
27) Chloroform	5.078	83	19618	0.950	ug/l	96
28) 1,1,1-Trichloroethane	5.306	97	15552	0.952	ug/l	98
29) 1,1-Dichloropropene	5.518	75	8790	0.928	ug/l	96
30) Carbon Tetrachloride	5.518	117	11444	0.909	ug/l	98
31) Isopropyl Ether	3.984	45	26238	0.935	ug/l	100
32) Ethyl-t-butyl ether	4.489	59	27801	0.937	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	25846	0.937	ug/l	99
34) Propionitrile	4.804	54	3711m	4.406	ug/l	
35) Benzene	5.769	78	31214	0.939	ug/l	100
36) 1,2-Dichloroethane	5.791	62	10442	0.911	ug/l	97
37) Trichloroethene	6.537	130	8818	0.957	ug/l	99
38) 1,2-Dichloropropane	6.782	63	10685	0.967	ug/l	98
39) Methacrylonitrile	5.004	41	2669m	0.934	ug/l	
40) Methyl acrylate	4.878	55	4939m	1.027	ug/l	
41) Tetrahydrofuran	5.068	42	3192m	2.074	ug/l	
42) 1-Chlorobutane	5.451	56	12817	0.959	ug/l	93
43) Dibromomethane	6.917	93	4793	0.932	ug/l	96
44) Bromodichloromethane	7.097	83	14599	0.936	ug/l	97

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	30492	4.523	ug/l		98
46) t-1,4-Dichloro-2-butene	10.830	75	5428m	1.882	ug/l		
47) Methyl methacrylate	6.962	69	9527m	1.812	ug/l		
48) Ethyl methacrylate	8.332	69	9896	0.902	ug/l		90
49) Toluene	7.965	92	21387	0.947	ug/l		95
50) t-1,3-Dichloropropene	8.209	75	12223	0.890	ug/l		96
51) cis-1,3-Dichloropropene	7.605	75	14624	0.915	ug/l		96
52) 1,1,2-Trichloroethane	8.393	97	7787	0.894	ug/l		95
53) 1,3-Dichloropropane	8.569	76	13106	0.929	ug/l		99
54) 2-Hexanone	8.682	43	26593m	4.485	ug/l		
55) Dibromochloromethane	8.804	129	9943	0.945	ug/l		97
56) 1,2-Dibromoethane	8.917	107	6731	0.917	ug/l		94
58) Tetrachloroethene	8.547	164	7565	0.939	ug/l		94
59) Chlorobenzene	9.441	112	26504	0.905	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.528	131	10517	0.921	ug/l		97
61) Pentachloroethane	11.418	117	7998	0.909	ug/l		99
62) Hexachloroethane	12.466	117	7917	0.863	ug/l		98
63) Ethyl Benzene	9.563	91	45684	0.913	ug/l		98
64) m/p-Xylenes	9.685	106	33950	1.823	ug/l		98
65) o-Xylene	10.094	106	17741	0.901	ug/l		95
66) Styrene	10.110	104	27994	0.892	ug/l		99
67) Bromoform	10.283	173	4923	0.870	ug/l		99
69) Isopropylbenzene	10.476	105	48513	0.906	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.772	83	10485	0.915	ug/l		95
71) 1,2,3-Trichloropropane	10.817	75	8209m	0.921	ug/l		
72) Bromobenzene	10.778	156	10502	0.897	ug/l		98
73) n-propylbenzene	10.901	120	12508	0.895	ug/l		96
74) 2-Chlorotoluene	10.978	126	11567	0.911	ug/l		99
75) 1,3,5-Trimethylbenzene	11.081	105	40226	0.895	ug/l		100
76) 4-Chlorotoluene	11.093	126	11575	0.899	ug/l		95
77) tert-Butylbenzene	11.412	119	42005	0.898	ug/l		98
78) 1,2,4-Trimethylbenzene	11.460	105	40690	0.887	ug/l		99
79) sec-Butylbenzene	11.637	105	55256	0.914	ug/l		99
80) Nitrobenzene	13.235	77	797	6.359	ug/l	#	83
81) p-Isopropyltoluene	11.785	119	43400	0.885	ug/l		99
82) 1,3-Dichlorobenzene	11.740	146	21981	0.891	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	22145	0.903	ug/l		99
84) n-Butylbenzene	12.203	91	40015	0.847	ug/l		100
85) 1,2-Dichlorobenzene	12.206	146	21580	0.908	ug/l		100
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1412	0.791	ug/l		92
87) 1,2,4-Trichlorobenzene	13.836	180	11343	0.800	ug/l		99
88) Hexachlorobutadiene	14.013	225	7362	0.934	ug/l		95
89) Naphthalene	14.090	128	18297	0.768	ug/l		98
90) 1,2,3-Trichlorobenzene	14.325	180	9775	0.814	ug/l		97

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

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