Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
Data File : VX021525.D
Acq On : 26 Mar 2021 11:10
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 12:09:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 26 12:08:31 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.976	128	14216	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.823	114	75438	30.00	ug/l		-0.01
57) Chlorobenzene-d5	10.094	117	69964	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.029	65	38599	29.41	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.03%				
60) 4-Bromofluorobenzene	11.118	95	36376	28.75	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.83%				
63) Toluene-d8	8.694	98	93923	29.60	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.67%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	4529	4.50	ug/l		95
3) Chloromethane	1.311	50	5455	5.39	ug/l		97
4) Vinyl Chloride	1.393	62	4423	4.48	ug/l		98
5) Bromomethane	1.623	94	1972	3.55	ug/l		99
6) Chloroethane	1.705	64	3003	4.95	ug/l		93
7) Trichlorofluoromethane	1.911	101	7516	4.91	ug/l		97
8) Diethyl Ether	2.170	74	2480	4.87	ug/l		61
9) 1,1,2-Trichlorotrifluo...	2.358	101	4191	5.05	ug/l		96
10) 1,1-Dichloroethene	2.352	96	3690	4.60	ug/l		90
11) Methyl Iodide	2.487	142	2058	2.10	ug/l		80
12) Methyl Acetate	2.746	43	5863	4.20	ug/l	#	80
13) Acrolein	2.270	56	4035	23.81	ug/l		97
14) Acrylonitrile	3.117	53	12176	24.17	ug/l		98
15) Acetone	2.417	58	3248	23.94	ug/l		72
16) Carbon Disulfide	2.546	76	9744	4.20	ug/l		100
17) Allyl chloride	2.699	41	7085	4.24	ug/l		89
18) Methylene Chloride	2.835	84	4732	4.92	ug/l	#	86
19) trans-1,2-Dichloroethene	3.135	96	3932	4.47	ug/l	#	82
20) Diisopropyl ether	3.823	45	14732	4.53	ug/l		90
21) 1,1-Dichloroethane	3.670	63	8317	4.79	ug/l		98
22) cis-1,2-Dichloroethene	4.552	96	4797	4.70	ug/l		89
23) tert-Butyl Alcohol	3.017	59	5394	24.40	ug/l	#	100
24) Methyl tert-Butyl Ether	3.170	73	13921	4.63	ug/l	#	85
25) Chloroform	5.170	83	8955	4.92	ug/l		99
26) Cyclohexane	5.541	56	6547	4.25	ug/l	#	90
29) 1,1-Dichloropropene	5.764	75	6144	4.87	ug/l		95
30) 2-Butanone	4.635	43	17817	25.19	ug/l	#	90
31) 2,2-Dichloropropane	4.547	77	6857	4.89	ug/l	#	68
32) 1,1,1-Trichloroethane	5.458	97	7714	5.01	ug/l		94
33) Carbon Tetrachloride	5.747	117	6991	5.19	ug/l		91
34) Benzene	6.111	78	17611	4.88	ug/l		99
35) Methacrylonitrile	4.994	41	4149	5.20	ug/l		76
36) 1,2-Dichloroethane	6.153	62	7521	4.85	ug/l		96
37) Trichloroethene	7.188	130	4427	4.69	ug/l		99
38) Methylcyclohexane	7.435	83	6552	4.63	ug/l		93
39) 1,2-Dichloropropane	7.488	63	4787	4.92	ug/l		97
40) Dibromomethane	7.635	93	3450	4.96	ug/l		93
41) Bromodichloromethane	7.870	83	7115	4.93	ug/l		95
42) Vinyl Acetate	3.782	43	61888	23.54	ug/l	#	92

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Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 26 12:08:31 2021
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	4.794	43	6596	4.69	ug/l	#	91
44) Isopropyl Acetate	6.406	43	11060	4.72	ug/l	#	90
45) 1,4-Dioxane	7.712	88	2330	106.81	ug/l	#	88
46) Methyl methacrylate	7.741	41	5890	4.67	ug/l		79
47) n-amyl Acetate	10.883	43	9303	4.61	ug/l		94
48) t-1,3-Dichloropropene	9.018	75	6365	4.31	ug/l		100
49) cis-1,3-Dichloropropene	8.412	75	7167	4.54	ug/l	#	79
50) 1,1,2-Trichloroethane	9.194	97	4705	5.09	ug/l		96
51) Ethyl methacrylate	9.159	69	6518	4.52	ug/l		85
52) 1,3-Dichloropropane	9.353	76	8025	4.98	ug/l		98
53) Dibromochloromethane	9.559	129	5137	4.82	ug/l		98
54) 1,2-Dibromoethane	9.653	107	4773	4.85	ug/l		95
55) 2-Chloroethyl vinyl ether	8.288	63	17359	22.58	ug/l		97
56) Bromoform	10.841	173	3521	4.67	ug/l		97
58) 4-Methyl-2-Pentanone	8.618	43	34688	24.38	ug/l	#	88
59) 2-Hexanone	9.471	43	25529	23.85	ug/l	#	85
61) Tetrachloroethene	9.318	164	4128	4.55	ug/l		93
62) Toluene	8.765	91	18994	4.88	ug/l		98
64) Chlorobenzene	10.124	112	11673	4.88	ug/l		100
65) 1,1,1,2-Tetrachloroethane	10.200	131	4688	5.16	ug/l		99
66) Ethyl Benzene	10.236	91	20118	4.53	ug/l		95
67) m/p-Xylenes	10.341	106	14837	9.25	ug/l		92
68) o-Xylene	10.683	106	7297	4.70	ug/l		93
69) Styrene	10.694	104	12056	4.60	ug/l		96
70) Isopropylbenzene	11.000	105	19589	4.62	ug/l		99
71) 1,1,2,2-Tetrachloroethane	11.253	83	7218	5.27	ug/l		97
72) 1,2,3-Trichloropropane	11.277	75	6851m	5.00	ug/l		
73) Bromobenzene	11.236	156	4756	4.71	ug/l		86
74) n-propylbenzene	11.342	91	22520	4.48	ug/l		97
75) 2-Chlorotoluene	11.400	91	14571	4.81	ug/l		96
76) 1,3,5-Trimethylbenzene	11.489	105	16146	4.47	ug/l		97
77) t-1,4-Dichloro-2-butene	11.059	75	1838	4.13	ug/l		86
78) 4-Chlorotoluene	11.495	91	16167	4.58	ug/l		99
79) tert-butylbenzene	11.753	119	16186	4.83	ug/l		96
80) 1,2,4-Trimethylbenzene	11.789	105	16756	4.61	ug/l		97
81) sec-Butylbenzene	11.930	105	18017	4.51	ug/l		99
82) p-Isopropyltoluene	12.048	119	15852	4.35	ug/l		96
83) 1,3-Dichlorobenzene	12.006	146	8642	4.82	ug/l		97
84) 1,4-Dichlorobenzene	12.083	146	8617	4.80	ug/l		98
85) n-Butylbenzene	12.371	91	13739	4.10	ug/l		96
86) Hexachloroethane	12.577	117	3012	4.55	ug/l		91
87) 1,2-Dichlorobenzene	12.371	146	8703	4.93	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	12.983	75	1526	4.56	ug/l		87
89) 1,2,4-Trichlorobenzene	13.630	180	4803	4.34	ug/l		98
90) Hexachlorobutadiene	13.759	225	2139	4.38	ug/l		95
91) Naphthalene	13.818	128	15209	4.21	ug/l		98
92) 1,2,3-Trichlorobenzene	14.001	180	4821	4.43	ug/l		99

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

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