Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
Data File : VX008159.D
Acq On : 18 Mar 2019 10:52
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICCC020

Manual Integrations APPROVED
MMDadoda
3/19/2019 9:36:50 AM

Quant Time: Mar 18 11:57:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 11:50:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.02	128	51365	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.86	114	288814	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	257028	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.06	65	131808	30.00	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.00%				
60) 4-Bromofluorobenzene	11.13	95	129663	30.00	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 100.00%				
63) Toluene-d8	8.71	98	378318	30.00	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	44853	20.000	ug/l		96
3) Chloromethane	1.33	50	55475	20.000	ug/l		96
4) Vinyl Chloride	1.41	62	57471	20.000	ug/l		98
5) Bromomethane	1.64	94	37995	20.000	ug/l		96
6) Chloroethane	1.73	64	34622	20.000	ug/l		96
7) Trichlorofluoromethane	1.93	101	69971	20.000	ug/l		98
8) Diethyl Ether	2.19	74	40366	20.000	ug/l		84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49894	20.000	ug/l		92
10) 1,1-Dichloroethene	2.38	96	47265	20.000	ug/l		85
11) Methyl Iodide	2.51	142	55826	20.000	ug/l		98
12) Methyl Acetate	2.78	43	78663	20.000	ug/l		92
13) Acrolein	2.29	56	55587	100.000	ug/l		100
14) Acrylonitrile	3.14	53	172545	100.000	ug/l		99
15) Acetone	2.45	58	60864	100.000	ug/l		91
16) Carbon Disulfide	2.57	76	148908	20.000	ug/l		99
17) Allyl chloride	2.73	41	100093	20.000	ug/l		97
18) Methylene Chloride	2.86	84	55587	20.000	ug/l		88
19) trans-1,2-Dichloroethene	3.17	96	50787	20.000	ug/l		91
20) Diisopropyl ether	3.86	45	201340	20.000	ug/l	#	94
21) 1,1-Dichloroethane	3.70	63	103462	20.000	ug/l		97
22) cis-1,2-Dichloroethene	4.60	96	57966	20.000	ug/l	#	82
23) tert-Butyl Alcohol	3.04	59	63690	100.000	ug/l		100
24) Methyl tert-Butyl Ether	3.20	73	170747	20.000	ug/l		98
25) Chloroform	5.21	83	98912	20.000	ug/l		94
26) Cyclohexane	5.59	56	96136	20.000	ug/l	#	86
29) 1,1-Dichloropropene	5.80	75	73713	20.000	ug/l		93
30) 2-Butanone	4.67	43	278741	100.000	ug/l		94
31) 2,2-Dichloropropane	4.59	77	73633	20.000	ug/l		94
32) 1,1,1-Trichloroethane	5.49	97	78986	20.000	ug/l	#	94
33) Carbon Tetrachloride	5.79	117	64501	20.000	ug/l		98
34) Benzene	6.14	78	224492	20.000	ug/l	#	96
35) Methacrylonitrile	5.04	41	50836	20.000	ug/l		94
36) 1,2-Dichloroethane	6.20	62	82583	20.000	ug/l		98
37) Trichloroethene	7.21	130	52860	20.000	ug/l		83
38) Methylcyclohexane	7.46	83	88956	20.000	ug/l		89
39) 1,2-Dichloropropane	7.51	63	61043	20.000	ug/l		98
40) Dibromomethane	7.66	93	37312	20.000	ug/l		89

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	7.90	83	71700	20.000	ug/l		99
42) Vinyl Acetate	3.82	43	876306	100.000	ug/l		95
43) Ethyl Acetate	4.83	43	93623m	19.620	ug/l		
44) Isopropyl Acetate	6.45	43	141791	20.000	ug/l		98
45) 1,4-Dioxane	7.74	88	26999	400.000	ug/l	#	83
46) Methyl methacrylate	7.77	41	75273	20.000	ug/l		90
47) n-amyl Acetate	10.90	43	122865	20.000	ug/l		97
48) t-1,3-Dichloropropene	9.04	75	76104	20.000	ug/l		99
49) cis-1,3-Dichloropropene	8.43	75	85543	20.000	ug/l		94
50) 1,1,2-Trichloroethane	9.21	97	53698	20.000	ug/l		97
51) Ethyl methacrylate	9.18	69	85767	20.000	ug/l		92
52) 1,3-Dichloropropane	9.37	76	97702	20.000	ug/l		98
53) Dibromochloromethane	9.58	129	51269	20.000	ug/l		98
54) 1,2-Dibromoethane	9.67	107	57511	20.000	ug/l		95
55) 2-Chloroethyl vinyl ether	8.31	63	319991	100.000	ug/l		95
56) Bromoform	10.85	173	36355	20.000	ug/l	#	97
58) 4-Methyl-2-Pentanone	8.64	43	489269	100.000	ug/l		95
59) 2-Hexanone	9.49	43	398680	100.000	ug/l		96
61) Tetrachloroethene	9.34	164	50631	20.000	ug/l		97
62) Toluene	8.78	91	236150	20.000	ug/l		99
64) Chlorobenzene	10.13	112	141278	20.000	ug/l		100
65) 1,1,1,2-Tetrachloroethane	10.22	131	48514	20.000	ug/l		97
66) Ethyl Benzene	10.25	91	248515	20.000	ug/l		94
67) m/p-Xylenes	10.36	106	183736	40.000	ug/l		91
68) o-Xylene	10.69	106	88656	20.000	ug/l		92
69) Styrene	10.71	104	143948	20.000	ug/l		96
70) Isopropylbenzene	11.02	105	239172	20.000	ug/l		95
71) 1,1,2,2-Tetrachloroethane	11.27	83	87218	20.000	ug/l		99
72) 1,2,3-Trichloropropane	11.29	75	76699m	20.090	ug/l		
73) Bromobenzene	11.26	156	56431	20.000	ug/l		80
74) n-propylbenzene	11.36	91	278913	20.000	ug/l		94
75) 2-Chlorotoluene	11.42	91	167610	20.000	ug/l		90
76) 1,3,5-Trimethylbenzene	11.51	105	197523	20.000	ug/l		95
77) t-1,4-Dichloro-2-butene	11.07	75	24944	20.000	ug/l		96
78) 4-Chlorotoluene	11.51	91	189878	20.000	ug/l		91
79) tert-butylbenzene	12.06	119	197684	20.000	ug/l		96
80) 1,2,4-Trimethylbenzene	11.80	105	198709	20.000	ug/l		94
81) sec-Butylbenzene	11.94	105	234244	20.000	ug/l		95
82) p-Isopropyltoluene	12.06	119	197684	20.000	ug/l		96
83) 1,3-Dichlorobenzene	12.02	146	101630	20.000	ug/l		95
84) 1,4-Dichlorobenzene	12.10	146	98545	20.000	ug/l		96
85) n-Butylbenzene	12.38	91	179216	20.000	ug/l		96
86) Hexachloroethane	12.59	117	33414	20.000	ug/l		96
87) 1,2-Dichlorobenzene	12.39	146	101057	20.000	ug/l		97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18226	20.000	ug/l	#	76
89) 1,2,4-Trichlorobenzene	13.65	180	63196	20.000	ug/l		99
90) Hexachlorobutadiene	13.78	225	32549	20.000	ug/l		97
91) Naphthalene	13.83	128	207495	20.000	ug/l		99
92) 1,2,3-Trichlorobenzene	14.02	180	63259	20.000	ug/l		99

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

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