Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033062.D
Acq On : 4 Jan 2019 9:55
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 11:56:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 0
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:01:03 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1509415	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3682830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3507744	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2626909	10.04	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	368607	1.095	ppbv	97
3) Chlorodifluoromethane	3.01	51	319648	1.740	ppbv	100
4) Chloromethane	3.17	50	187613	1.757	ppbv	93
5) Vinyl Chloride	3.29	62	180160	1.589	ppbv	99
6) Bromomethane	3.52	94	122768	1.779	ppbv	94
7) Chloroethane	3.60	64	69244	1.777	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	472170	1.761	ppbv	99
9) Propene	3.04	41	118688	1.665	ppbv	97
10) Heptane	8.25	43	401802	2.203	ppbv	99
11) Trichlorofluoromethane	4.01	101	763185	2.578	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	346479	1.731	ppbv	99
13) Ethanol	3.65	45	49964	1.799	ppbv	95
14) Bromoethene	3.79	108	166347	1.952	ppbv	99
15) Acetone	3.90	43	523688	2.653	ppbv	100
16) 1,3-Butadiene	3.36	39	166800	1.939	ppbv	90
17) tert-Butyl alcohol	4.36	59	79976m	1.814	ppbv	
18) 1,1-Dichloroethene	4.35	96	166972	1.862	ppbv	97
19) Isopropyl Alcohol	4.03	45	367587m	2.787	ppbv	
20) Methylene Chloride	4.41	84	151388	1.733	ppbv	93
21) Allyl Chloride	4.48	41	220282	1.641	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	190168	2.172	ppbv	95
23) Vinyl Acetate	5.15	43	576936	2.115	ppbv #	99
24) 1,1-Dichloroethane	5.09	63	489783	2.163	ppbv	99
25) Ethyl Acetate	5.77	43	777239	2.199	ppbv	100
26) Hexane	5.78	57	378028	2.256	ppbv	97
27) Carbon Disulfide	4.62	76	367587	1.755	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	571296	2.177	ppbv	99
29) Chloroform	5.85	83	628957	2.264	ppbv	97
30) Cyclohexane	7.25	84	275822	2.192	ppbv	87
31) cis-1,2-Dichloroethene	5.64	61	339755	2.189	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	613304	2.092	ppbv	98
34) 2-Butanone	5.33	43	481553	2.240	ppbv	100
35) Carbon Tetrachloride	7.13	117	678470	2.134	ppbv	96
36) Benzene	7.01	78	668184	2.205	ppbv	96
37) 1,2-Dichloroethane	6.41	62	456982	2.217	ppbv	99
38) Trichloroethene	7.96	130	289459	2.287	ppbv	99
39) 1,2-Dichloropropane	7.74	63	242381	2.132	ppbv	99
40) 1,4-Dioxane	7.97	88	95605m	2.216	ppbv	
41) Tetrahydrofuran	6.15	42	243052	2.217	ppbv	99
42) Bromodichloromethane	7.92	83	641646	2.163	ppbv	95
43) Methyl Methacrylate	8.14	69	253266	2.242	ppbv	95

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Instrument :
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ClientSampleId :
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Quant Time: Jan 04 11:56:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 0
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	1167088	2.175	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	301916	1.934	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	302819	1.784	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	279445	2.036	ppbv		98
48) Dibromochloromethane	10.45	129	521194	2.290	ppbv		99
49) Bromoform	13.20	173	458891	2.188	ppbv		98
50) 4-Methyl-2-Pentanone	8.87	43	511021	1.768	ppbv		100
51) 2-Hexanone	10.28	43	454735	2.328	ppbv	#	98
52) Tetrachloroethene	11.37	164	237998	2.170	ppbv		93
53) Toluene	9.95	91	726700	2.330	ppbv		100
54) 1,2-Dibromoethane	10.76	107	430551	2.160	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	392821	2.213	ppbv	#	1
57) Chlorobenzene	12.30	112	630423	2.217	ppbv		98
58) Ethyl Benzene	12.87	91	1022753	2.370	ppbv		95
59) m/p-Xylene	13.12	91	1850483m	4.618	ppbv		
60) o-Xylene	13.85	91	911721	2.327	ppbv		99
61) Styrene	13.69	104	599037	2.371	ppbv		98
62) Isopropylbenzene	14.83	105	1295095	2.315	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	663077	2.162	ppbv		99
64) n-propylbenzene	15.72	120	332050	2.407	ppbv		94
65) tert-Butylbenzene	16.91	119	1193704	2.397	ppbv		96
66) Benzyl Chloride	17.16	91	643601	2.299	ppbv		100
67) sec-Butylbenzene	17.46	105	1687190	2.403	ppbv		100
69) p-Isopropyltoluene	17.82	119	1397956	2.461	ppbv		99
70) n-Butylbenzene	18.72	91	1433225	2.472	ppbv		99
71) 2-Chlorotoluene	15.62	91	957376	2.415	ppbv		97
72) 4-Ethyltoluene	16.00	105	1030942	2.362	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	1015137	2.383	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	1113600	2.380	ppbv		94
75) 1,3-Dichlorobenzene	17.16	146	639267	2.333	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	602224m	2.416	ppbv		
77) 1,2-Dichlorobenzene	17.99	146	598053	2.384	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	535153	3.035	ppbv		99
79) Naphthalene	22.42	128	1000607	2.353	ppbv		97
80) Naphthalene,2-methyl-	25.12	142	325004	2.757	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	476113m	2.459	ppbv		

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

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