Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
Data File : VL034383.D
Acq On : 19 Nov 2019 17:33
Operator : SY/AP
Sample : VL1119ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 05:38:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 2
QLast Update : Wed Nov 20 03:30:54 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL1119ABS01

Manual Integrations APPROVED
MMDadoda
11/20/2019 3:53:52 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1007558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2084691	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2219522m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1786713	9.57	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1837331	10.080	ppbv	99
3) Chlorodifluoromethane	2.96	51	1133988	9.020	ppbv	100
4) Chloromethane	3.11	50	695365	9.378	ppbv	99
5) Vinyl Chloride	3.23	62	630258	9.072	ppbv	92
6) Bromomethane	3.45	94	331919	9.495	ppbv	99
7) Chloroethane	3.54	64	231978	9.200	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1453026	8.877	ppbv	100
9) Propene	2.98	41	512286	9.179	ppbv	97
10) Heptane	8.16	43	1367555	9.495	ppbv	100
11) Trichlorofluoromethane	3.94	101	1619636	8.928	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1088751	9.037	ppbv	100
13) Ethanol	3.59	45	118770	7.266	ppbv	93
14) Bromoethene	3.72	108	453219	9.252	ppbv	99
15) Acetone	3.84	43	1262240	8.749	ppbv	99
16) 1,3-Butadiene	3.30	39	592376	9.426	ppbv	100
17) tert-Butyl alcohol	4.29	59	1152884	9.506	ppbv	99
18) 1,1-Dichloroethene	4.28	96	493405	9.363	ppbv	90
19) Isopropyl Alcohol	3.96	45	936885	8.928	ppbv	100
20) Methylene Chloride	4.34	84	431652	8.437	ppbv	97
21) Allyl Chloride	4.41	41	845464	9.779	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	508873	9.579	ppbv	94
23) Vinyl Acetate	5.08	43	1872905	9.937	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1344670	9.288	ppbv	99
25) Ethyl Acetate	5.69	43	2347886	9.120	ppbv	100
26) Hexane	5.70	57	1013335	9.160	ppbv	100
27) Carbon Disulfide	4.55	76	1261121	10.466	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1735236	9.459	ppbv	100
29) Chloroform	5.77	83	1629150	9.094	ppbv	97
30) Cyclohexane	7.16	84	802482	9.595	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1107192	9.685	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	1637679	9.750	ppbv	100
34) 2-Butanone	5.25	43	1578336	9.198	ppbv	99
35) Carbon Tetrachloride	7.04	117	1685945	9.406	ppbv	98
36) Benzene	6.92	78	1951723	9.366	ppbv	95
37) 1,2-Dichloroethane	6.33	62	1403585	9.066	ppbv	100
38) Trichloroethene	7.87	130	753037	8.805	ppbv	99
39) 1,2-Dichloropropane	7.65	63	813581	9.209	ppbv	96
40) 1,4-Dioxane	7.86	88	322913	9.207	ppbv #	100
41) Tetrahydrofuran	6.06	42	908507	9.439	ppbv	99
42) Bromodichloromethane	7.83	83	1810046	9.348	ppbv	100
43) Methyl Methacrylate	8.05	69	834723	9.657	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3468102	9.106	ppbv		100
45) t-1,3-Dichloropropene	9.32	75	1144783	10.327	ppbv		96
46) cis-1,3-Dichloropropene	8.75	75	1263668	10.149	ppbv		99
47) 1,1,2-Trichloroethane	9.52	97	813968	9.114	ppbv		97
48) Dibromochloromethane	10.36	129	1473006	9.606	ppbv		99
49) Bromoform	13.10	173	1285963	9.395	ppbv		99
50) 4-Methyl-2-Pentanone	8.78	43	2327439	9.374	ppbv		100
51) 2-Hexanone	10.18	43	1971984	9.482	ppbv		99
52) Tetrachloroethene	11.28	164	740401	8.211	ppbv		94
53) Toluene	9.85	91	2230140	9.421	ppbv		99
54) 1,2-Dibromoethane	10.66	107	1233692	9.010	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.18	131	961004m	8.852	ppbv		
57) Chlorobenzene	12.20	112	1661522	8.281	ppbv		96
58) Ethyl Benzene	12.77	91	3050173	8.855	ppbv		99
59) m/p-Xylene	13.05	91	5038248m	16.922	ppbv		
60) o-Xylene	13.75	91	2508233	8.520	ppbv		99
61) Styrene	13.59	104	1891023	8.908	ppbv		99
62) Isopropylbenzene	14.73	105	3263066	8.381	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1688086	7.629	ppbv		100
64) n-propylbenzene	15.63	120	836476	8.273	ppbv		95
65) tert-Butylbenzene	16.81	119	2850661	8.151	ppbv		99
66) Benzyl Chloride	17.06	91	1320916	9.818	ppbv		99
67) sec-Butylbenzene	17.36	105	3959553	8.094	ppbv		99
69) p-Isopropyltoluene	17.72	119	3330297	8.203	ppbv		100
70) n-Butylbenzene	18.62	91	3568285	8.168	ppbv		100
71) 2-Chlorotoluene	15.52	91	2553794	8.226	ppbv		99
72) 4-Ethyltoluene	15.91	105	2874764	8.452	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	2737058	8.221	ppbv		99
74) 1,2,4-Trimethylbenzene	16.83	105	2786120	7.878	ppbv	#	91
75) 1,3-Dichlorobenzene	17.07	146	1581501	7.779	ppbv		100
76) 1,4-Dichlorobenzene	17.21	146	1588687	8.048	ppbv		99
77) 1,2-Dichlorobenzene	17.89	146	1548306	7.885	ppbv		99
78) Hexachloro-1,3-Butadiene	23.45	225	1521873	9.021	ppbv		99
79) Naphthalene	22.29	128	3067662	10.005	ppbv		99
80) Naphthalene,2-methyl-	25.03	142	962686	6.954	ppbv		96
81) 1,2,4-Trichlorobenzene	22.02	180	1776186	9.430	ppbv		99

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

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