Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034319.D
Acq On : 17 Oct 2019 16:05
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 18 05:06:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 1
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1039058	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	2004065	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	1962198	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1705261	10.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	35898	0.200	ppbv		91
3) Chlorodifluoromethane	2.97	51	21910	0.180	ppbv		92
4) Chloromethane	3.12	50	12923	0.179	ppbv	#	86
5) Vinyl Chloride	3.25	62	11679m	0.170	ppbv		
6) Bromomethane	3.47	94	5973m	0.178	ppbv		
7) Chloroethane	3.55	64	4812m	0.199	ppbv		
8) Dichlorotetrafluoroethane	3.17	85	30041	0.194	ppbv		97
9) Propene	2.99	41	10968m	0.203	ppbv		
10) Heptane	8.17	43	21145m	0.153	ppbv		
11) Trichlorofluoromethane	3.94	101	32182	0.189	ppbv		86
12) 1,1,2-Trichlorotrifluoroet	4.49	101	21090	0.189	ppbv		97
13) Ethanol	3.61	45	10576	0.875	ppbv		88
14) Bromoethene	3.73	108	7851	0.179	ppbv	#	89
15) Acetone	3.86	43	47839	0.322	ppbv		96
16) 1,3-Butadiene	3.32	39	10197	0.169	ppbv		94
17) tert-Butyl alcohol	4.34	59	21035m	0.222	ppbv		
18) 1,1-Dichloroethene	4.29	96	8968m	0.184	ppbv		
19) Isopropyl Alcohol	3.99	45	20988m	0.253	ppbv		
20) Methylene Chloride	4.35	84	123615	2.301	ppbv		95
21) Allyl Chloride	4.41	41	14895m	0.181	ppbv		
22) trans-1,2-Dichloroethene	4.90	96	8576	0.176	ppbv	#	63
23) Vinyl Acetate	5.09	43	34118	0.184	ppbv	#	94
24) 1,1-Dichloroethane	5.02	63	24450m	0.177	ppbv		
25) Ethyl Acetate	5.71	43	55127	0.220	ppbv	#	96
26) Hexane	5.71	57	36462m	0.341	ppbv		
27) Carbon Disulfide	4.56	76	17058m	0.154	ppbv		
28) Methyl tert-Butyl Ether	5.06	73	27373m	0.169	ppbv		
29) Chloroform	5.78	83	30336	0.179	ppbv		99
30) Cyclohexane	7.16	84	15747m	0.200	ppbv		
31) cis-1,2-Dichloroethene	5.57	61	17854m	0.164	ppbv		
32) 1,1,1-Trichloroethane	6.55	97	27579m	0.168	ppbv		
34) 2-Butanone	5.28	43	27051m	0.165	ppbv		
35) Carbon Tetrachloride	7.06	117	28696m	0.164	ppbv		
36) Benzene	6.93	78	30139	0.157	ppbv	#	93
37) 1,2-Dichloroethane	6.34	62	24493	0.171	ppbv	#	96
38) Trichloroethene	7.88	130	13489m	0.175	ppbv		
39) 1,2-Dichloropropane	7.65	63	14934m	0.180	ppbv		
40) 1,4-Dioxane	7.94	88	6579m	0.226	ppbv		
41) Tetrahydrofuran	6.11	42	12117m	0.133	ppbv		
42) Bromodichloromethane	7.83	83	28570m	0.163	ppbv		
43) Methyl Methacrylate	8.08	69	10647m	0.134	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	52141m	0.147	ppbv		
45) t-1,3-Dichloropropene	9.34	75	10833m	0.112	ppbv		
46) cis-1,3-Dichloropropene	8.76	75	13902m	0.125	ppbv		
47) 1,1,2-Trichloroethane	9.53	97	15694m	0.187	ppbv		
48) Dibromochloromethane	10.37	129	21380m	0.155	ppbv		
49) Bromoform	13.11	173	19782m	0.162	ppbv		
50) 4-Methyl-2-Pentanone	8.82	43	34746m	0.148	ppbv		
51) 2-Hexanone	10.24	43	28963m	0.151	ppbv		
52) Tetrachloroethene	11.29	164	12757m	0.169	ppbv		
53) Toluene	9.86	91	30812m	0.145	ppbv		
54) 1,2-Dibromoethane	10.67	107	22533m	0.181	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.20	131	19196m	0.212	ppbv		
57) Chlorobenzene	12.22	112	36340m	0.222	ppbv		
58) Ethyl Benzene	12.78	91	43379	0.158	ppbv		90
59) m/p-Xylene	13.07	91	81320m	0.342	ppbv		
60) o-Xylene	13.76	91	40681m	0.172	ppbv		
61) Styrene	13.61	104	23414m	0.141	ppbv		
62) Isopropylbenzene	14.75	105	56031m	0.179	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.76	83	50499m	0.266	ppbv		
64) n-propylbenzene	15.64	120	13615m	0.170	ppbv		
65) tert-Butylbenzene	16.83	119	53654m	0.194	ppbv		
66) Benzyl Chloride	17.09	91	22749m	0.208	ppbv		
67) sec-Butylbenzene	17.38	105	75875m	0.195	ppbv		
69) p-Isopropyltoluene	17.73	119	63237m	0.199	ppbv		
70) n-Butylbenzene	18.64	91	74954	0.217	ppbv	#	93
71) 2-Chlorotoluene	15.53	91	45851m	0.189	ppbv		
72) 4-Ethyltoluene	15.92	105	45118m	0.170	ppbv		
73) 1,3,5-Trimethylbenzene	16.08	105	52032m	0.197	ppbv		
74) 1,2,4-Trimethylbenzene	16.85	105	58718m	0.214	ppbv		
75) 1,3-Dichlorobenzene	17.09	146	45953m	0.278	ppbv		
76) 1,4-Dichlorobenzene	17.23	146	45174m	0.280	ppbv		
77) 1,2-Dichlorobenzene	17.91	146	49726m	0.307	ppbv		
78) Hexachloro-1,3-Butadiene	23.46	225	67649m	0.505	ppbv		
79) Naphthalene	22.32	128	107073m	0.533	ppbv		
80) Naphthalene,2-methyl-	25.05	142	78413	1.351	ppbv		96
81) 1,2,4-Trichlorobenzene	22.05	180	63794m	0.486	ppbv		

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

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