Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031427.D
Acq On : 22 Jan 2018 22:27
Operator : SY/AP
Sample : J1089-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Manual Integrations APPROVED
MMDadoda
1/24/2018 5:10:23 PM

Quant Time: Jan 23 10:26:56 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 2
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.90	49	1205423	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.44	114	2730302	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	2639952	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2203725	10.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.17	85	34840	0.20	ppbv		91
3) Chlorodifluoromethane	3.11	51	21035	0.13	ppbv		99
4) Chloromethane	3.27	50	10126	0.14	ppbv		94
5) Vinyl Chloride	3.40	62	9570	0.14	ppbv		90
6) Bromomethane	3.62	94	7079m	0.14	ppbv		
7) Chloroethane	3.72	64	4167	0.14	ppbv	#	78
8) Dichlorotetrafluoroethane	3.32	85	27684	0.15	ppbv		97
9) Propene	3.14	41	7465m	0.13	ppbv		
10) Heptane	8.40	43	15464	0.09	ppbv		98
11) Trichlorofluoromethane	4.13	101	32017	0.14	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.68	101	21004	0.15	ppbv		99
13) Ethanol	3.79	45	4070m	0.24	ppbv		
14) Bromoethene	3.90	108	7728m	0.13	ppbv		
15) Acetone	4.04	43	32716	0.20	ppbv		93
16) 1,3-Butadiene	3.47	39	8168	0.12	ppbv		97
17) tert-Butyl alcohol	4.52	59	11346m	0.15	ppbv		
18) 1,1-Dichloroethene	4.48	96	8646	0.14	ppbv		85
19) Isopropyl Alcohol	4.18	45	13096	0.13	ppbv	#	96
20) Methylene Chloride	4.54	84	16663	0.27	ppbv		94
21) Allyl Chloride	4.61	41	12055	0.13	ppbv	#	84
22) trans-1,2-Dichloroethene	5.10	96	9777m	0.15	ppbv		
23) Vinyl Acetate	5.30	43	19323	0.10	ppbv	#	93
24) 1,1-Dichloroethane	5.22	63	21661	0.13	ppbv		98
25) Ethyl Acetate	5.92	43	34292m	0.12	ppbv		
26) Hexane	5.92	57	15049m	0.12	ppbv		
27) Carbon Disulfide	4.76	76	19510	0.12	ppbv	#	77
28) Methyl tert-Butyl Ether	5.28	73	17103	0.11	ppbv		100
29) Chloroform	5.98	83	28607m	0.13	ppbv		
30) Cyclohexane	7.41	84	15936m	0.16	ppbv		
31) cis-1,2-Dichloroethene	5.78	61	13662	0.11	ppbv	#	77
32) 1,1,1-Trichloroethane	6.77	97	25324	0.12	ppbv		90
34) 2-Butanone	5.49	43	17458	0.10	ppbv		95
35) Carbon Tetrachloride	7.29	117	27959	0.13	ppbv		95
36) Benzene	7.16	78	27683	0.11	ppbv		98
37) 1,2-Dichloroethane	6.56	62	23374	0.12	ppbv	#	97
38) Trichloroethene	8.12	130	13941m	0.15	ppbv		
39) 1,2-Dichloropropane	7.89	63	10287	0.11	ppbv	#	81
40) 1,4-Dioxane	8.20	88	3665m	0.10	ppbv		
41) Tetrahydrofuran	6.34	42	9790m	0.10	ppbv		
42) Bromodichloromethane	8.07	83	28393m	0.13	ppbv		
43) Methyl Methacrylate	8.30	69	7761m	0.09	ppbv		

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 2
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	37939	0.09	ppbv	#	82
45) t-1,3-Dichloropropene	9.58	75	11038m	0.09	ppbv		
46) cis-1,3-Dichloropropene	9.00	75	13807m	0.09	ppbv		
47) 1,1,2-Trichloroethane	9.78	97	13511m	0.13	ppbv		
48) Dibromochloromethane	10.61	129	20952m	0.11	ppbv		
49) Bromoform	13.37	173	15654m	0.11	ppbv		
50) 4-Methyl-2-Pentanone	9.07	43	22133m	0.10	ppbv		
51) 2-Hexanone	10.47	43	16650m	0.08	ppbv		
52) Tetrachloroethene	11.54	164	11520	0.13	ppbv	#	75
53) Toluene	10.11	91	24452m	0.09	ppbv		
54) 1,2-Dibromoethane	10.93	107	18753m	0.11	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.45	131	17248m	0.14	ppbv		
57) Chlorobenzene	12.47	112	31136	0.14	ppbv		91
58) Ethyl Benzene	13.03	91	35246	0.09	ppbv		90
59) m/p-Xylene	13.32	91	64134m	0.19	ppbv		
60) o-Xylene	14.02	91	28175m	0.09	ppbv		
61) Styrene	13.85	104	5969m	0.08	ppbv		
62) Isopropylbenzene	14.99	105	41431	0.10	ppbv		97
63) 1,1,2,2-Tetrachloroethane	14.00	83	27998m	0.12	ppbv		
64) n-propylbenzene	15.89	120	9526m	0.09	ppbv		
65) tert-Butylbenzene	17.08	119	30391m	0.08	ppbv		
66) Benzyl Chloride	17.32	91	3786m	0.10	ppbv		
67) sec-Butylbenzene	17.63	105	46588	0.09	ppbv		96
69) p-Isopropyltoluene	17.98	119	35279m	0.09	ppbv		
70) n-Butylbenzene	18.89	91	38238	0.09	ppbv		97
71) 2-Chlorotoluene	15.79	91	29474m	0.09	ppbv		
72) 4-Ethyltoluene	16.18	105	28876m	0.09	ppbv		
73) 1,3,5-Trimethylbenzene	16.32	105	25340m	0.08	ppbv		
74) 1,2,4-Trimethylbenzene	17.09	105	30507m	0.09	ppbv		
75) 1,3-Dichlorobenzene	17.34	146	30352m	0.14	ppbv		
76) 1,4-Dichlorobenzene	17.48	146	25919m	0.13	ppbv		
77) 1,2-Dichlorobenzene	18.16	146	23871	0.12	ppbv		96
78) Hexachloro-1,3-Butadiene	23.70	225	13698m	0.19	ppbv		
79) Naphthalene	22.62	128	17449m	0.08	ppbv		
80) Naphthalene,2-methyl-	25.26	142	3925	0.07	ppbv		94
81) 1,2,4-Trichlorobenzene	22.34	180	13148m	0.12	ppbv		

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

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