Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032923.D
Acq On : 7 Dec 2018 5:34
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 09:37:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 0
QLast Update : Fri Dec 07 05:41:55 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
12/11/2018 10:08:16 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1293461	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3128968	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2911653	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2185805	10.28	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	92705	0.523	ppbv		99
3) Chlorodifluoromethane	3.02	51	49729	0.493	ppbv		98
4) Chloromethane	3.17	50	32833	0.552	ppbv	#	83
5) Vinyl Chloride	3.30	62	26560	0.456	ppbv		94
6) Bromomethane	3.52	94	18341	0.486	ppbv		100
7) Chloroethane	3.61	64	11007	0.488	ppbv	#	85
8) Dichlorotetrafluoroethane	3.22	85	75519	0.523	ppbv		97
9) Propene	3.04	41	18537	0.459	ppbv		97
10) Heptane	8.25	43	59017m	0.384	ppbv		
11) Trichlorofluoromethane	4.01	101	87499	0.498	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.56	101	71888m	0.538	ppbv		
13) Ethanol	3.66	45	8418m	0.616	ppbv		
14) Bromoethene	3.80	108	22898	0.469	ppbv		96
15) Acetone	3.92	43	60754	0.526	ppbv		93
16) 1,3-Butadiene	3.37	39	21614m	0.469	ppbv		
17) tert-Butyl alcohol	4.39	59	15589m	0.486	ppbv		
18) 1,1-Dichloroethene	4.36	96	31038	0.535	ppbv		92
19) Isopropyl Alcohol	4.05	45	36665	0.439	ppbv	#	94
20) Methylene Chloride	4.42	84	34561	0.533	ppbv		93
21) Allyl Chloride	4.49	41	44172m	0.519	ppbv		
22) trans-1,2-Dichloroethene	4.97	96	33832m	0.483	ppbv		
23) Vinyl Acetate	5.16	43	78687m	0.362	ppbv		
24) 1,1-Dichloroethane	5.10	63	85975	0.513	ppbv		96
25) Ethyl Acetate	5.78	43	130711	0.480	ppbv		99
26) Hexane	5.78	57	59948	0.469	ppbv		94
27) Carbon Disulfide	4.63	76	74253	0.459	ppbv	#	85
28) Methyl tert-Butyl Ether	5.13	73	78386	0.383	ppbv		97
29) Chloroform	5.85	83	112608	0.530	ppbv		96
30) Cyclohexane	7.26	84	43205m	0.414	ppbv		
31) cis-1,2-Dichloroethene	5.65	61	47291	0.406	ppbv		93
32) 1,1,1-Trichloroethane	6.62	97	103811	0.437	ppbv		98
34) 2-Butanone	5.35	43	64546	0.417	ppbv		98
35) Carbon Tetrachloride	7.14	117	113009	0.486	ppbv		94
36) Benzene	7.01	78	107727m	0.439	ppbv		
37) 1,2-Dichloroethane	6.42	62	78857	0.500	ppbv		97
38) Trichloroethene	7.96	130	43277	0.443	ppbv	#	87
39) 1,2-Dichloropropane	7.74	63	42665m	0.475	ppbv		
40) 1,4-Dioxane	8.01	88	15768m	0.465	ppbv		
41) Tetrahydrofuran	6.19	42	35187m	0.399	ppbv		
42) Bromodichloromethane	7.92	83	106783	0.487	ppbv	#	98
43) Methyl Methacrylate	8.15	69	33931	0.375	ppbv		96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	172906	0.432	ppbv		96
45) t-1,3-Dichloropropene	9.42	75	35580m	0.299	ppbv		
46) cis-1,3-Dichloropropene	8.84	75	42811	0.317	ppbv		95
47) 1,1,2-Trichloroethane	9.61	97	47315	0.446	ppbv		91
48) Dibromochloromethane	10.45	129	84056m	0.428	ppbv		
49) Bromoform	13.20	173	66071m	0.401	ppbv		
50) 4-Methyl-2-Pentanone	8.90	43	88931	0.393	ppbv		97
51) 2-Hexanone	10.31	43	49978	0.298	ppbv	#	94
52) Tetrachloroethene	11.38	164	39103m	0.426	ppbv		
53) Toluene	9.95	91	89633	0.323	ppbv		100
54) 1,2-Dibromoethane	10.76	107	64805m	0.409	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.28	131	70975	0.540	ppbv	#	1
57) Chlorobenzene	12.30	112	114275	0.526	ppbv	#	90
58) Ethyl Benzene	12.88	91	117284	0.353	ppbv		97
59) m/p-Xylene	13.16	91	242839m	0.811	ppbv		
60) o-Xylene	13.86	91	121283	0.414	ppbv		99
61) Styrene	13.70	104	61658m	0.315	ppbv		
62) Isopropylbenzene	14.83	105	176655	0.425	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.85	83	103744m	0.470	ppbv		
64) n-propylbenzene	15.74	120	44399m	0.424	ppbv		
65) tert-Butylbenzene	16.92	119	156687	0.440	ppbv		91
66) Benzyl Chloride	17.16	91	78857m	0.418	ppbv		
67) sec-Butylbenzene	17.47	105	237818	0.471	ppbv		99
69) p-Isopropyltoluene	17.83	119	173547	0.432	ppbv		96
70) n-Butylbenzene	18.72	91	165012	0.418	ppbv		97
71) 2-Chlorotoluene	15.62	91	116719	0.389	ppbv		100
72) 4-Ethyltoluene	16.01	105	111889	0.362	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.17	105	124568	0.419	ppbv		95
74) 1,2,4-Trimethylbenzene	16.93	105	164747	0.509	ppbv		93
75) 1,3-Dichlorobenzene	17.17	146	97941	0.517	ppbv		93
76) 1,4-Dichlorobenzene	17.32	146	85909	0.484	ppbv		97
77) 1,2-Dichlorobenzene	18.00	146	88223	0.494	ppbv		97
78) Hexachloro-1,3-Butadiene	23.55	225	57654	0.511	ppbv		96
79) Naphthalene	22.42	128	70454m	0.368	ppbv		
80) Naphthalene,2-methyl-	25.12	142	10990	0.257	ppbv		95
81) 1,2,4-Trichlorobenzene	22.15	180	46877m	0.465	ppbv		

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

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