Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL013020\
Data File : VL034571.D
Acq On : 30 Jan 2020 14:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 17:18:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 3
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
1/31/2020 4:24:00 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1146723	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2333120	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2267811	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1981373	10.47	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	142844	0.790	ppbv		88
3) Chlorodifluoromethane	2.95	51	76818	0.562	ppbv		95
4) Chloromethane	3.10	50	44675	0.550	ppbv		90
5) Vinyl Chloride	3.22	62	40108	0.505	ppbv		97
6) Bromomethane	3.44	94	23496	0.594	ppbv		87
7) Chloroethane	3.53	64	16476	0.595	ppbv		95
8) Dichlorotetrafluoroethane	3.15	85	109981	0.606	ppbv		100
9) Propene	2.97	41	28346	0.538	ppbv		100
10) Heptane	8.13	43	61171	0.450	ppbv		96
11) Trichlorofluoromethane	3.93	101	128555	0.614	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	85852	0.645	ppbv		92
13) Ethanol	3.59	45	10091m	0.690	ppbv		
14) Bromoethene	3.71	108	30985	0.576	ppbv	#	96
15) Acetone	3.83	43	99478	0.594	ppbv		95
16) 1,3-Butadiene	3.29	39	30869	0.480	ppbv		90
17) tert-Butyl alcohol	4.28	59	75951	0.567	ppbv		95
18) 1,1-Dichloroethene	4.27	96	33424	0.576	ppbv		89
19) Isopropyl Alcohol	3.95	45	66775m	0.616	ppbv		
20) Methylene Chloride	4.32	84	38574	0.586	ppbv		85
21) Allyl Chloride	4.39	41	54119m	0.563	ppbv		
22) trans-1,2-Dichloroethene	4.87	96	35227	0.597	ppbv	#	88
23) Vinyl Acetate	5.06	43	96419m	0.499	ppbv		
24) 1,1-Dichloroethane	4.99	63	85263	0.549	ppbv	#	97
25) Ethyl Acetate	5.67	43	144116	0.551	ppbv		99
26) Hexane	5.68	57	58552	0.532	ppbv		93
27) Carbon Disulfide	4.53	76	71860	0.516	ppbv	#	89
28) Methyl tert-Butyl Ether	5.03	73	89944	0.489	ppbv		96
29) Chloroform	5.74	83	107825m	0.566	ppbv		
30) Cyclohexane	7.13	84	41863m	0.511	ppbv		
31) cis-1,2-Dichloroethene	5.54	61	56434	0.503	ppbv	#	86
32) 1,1,1-Trichloroethane	6.51	97	105771m	0.535	ppbv		
34) 2-Butanone	5.24	43	81662	0.490	ppbv		95
35) Carbon Tetrachloride	7.02	117	110637	0.523	ppbv		89
36) Benzene	6.89	78	101017	0.497	ppbv		99
37) 1,2-Dichloroethane	6.30	62	93047m	0.563	ppbv		
38) Trichloroethene	7.84	130	42580	0.518	ppbv		94
39) 1,2-Dichloropropane	7.62	63	44017	0.526	ppbv	#	89
40) 1,4-Dioxane	7.88	88	18236m	0.539	ppbv		
41) Tetrahydrofuran	6.06	42	40801m	0.477	ppbv		
42) Bromodichloromethane	7.80	83	108162	0.532	ppbv		100
43) Methyl Methacrylate	8.02	69	37971m	0.458	ppbv		

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QLast Update : Thu Jan 30 14:46:59 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	180768	0.480	ppbv		95
45) t-1,3-Dichloropropene	9.29	75	44666m	0.418	ppbv		
46) cis-1,3-Dichloropropene	8.72	75	51273m	0.420	ppbv		
47) 1,1,2-Trichloroethane	9.49	97	45745m	0.496	ppbv		
48) Dibromochloromethane	10.33	129	80409m	0.503	ppbv		
49) Bromoform	13.07	173	63513	0.439	ppbv		94
50) 4-Methyl-2-Pentanone	8.77	43	113608m	0.469	ppbv		
51) 2-Hexanone	10.17	43	79343	0.406	ppbv	#	96
52) Tetrachloroethene	11.25	164	39401m	0.496	ppbv		
53) Toluene	9.83	91	96557	0.432	ppbv		100
54) 1,2-Dibromoethane	10.63	107	67294	0.502	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.15	131	59219m	0.541	ppbv		
57) Chlorobenzene	12.17	112	103358	0.552	ppbv	#	85
58) Ethyl Benzene	12.74	91	142339	0.465	ppbv		94
59) m/p-Xylene	13.02	91	272048m	1.017	ppbv		
60) o-Xylene	13.73	91	132844	0.495	ppbv		98
61) Styrene	13.56	104	77697	0.423	ppbv		97
62) Isopropylbenzene	14.70	105	173014	0.493	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	114092m	0.530	ppbv		
64) n-propylbenzene	15.60	120	43270m	0.483	ppbv		
65) tert-Butylbenzene	16.78	119	155949m	0.492	ppbv		
66) Benzyl Chloride	17.03	91	55096m	0.396	ppbv		
67) sec-Butylbenzene	17.33	105	220635m	0.495	ppbv		
69) p-Isopropyltoluene	17.69	119	165248	0.457	ppbv		95
70) n-Butylbenzene	18.59	91	178654	0.458	ppbv		97
71) 2-Chlorotoluene	15.49	91	123245	0.452	ppbv		97
72) 4-Ethyltoluene	15.87	105	141525m	0.471	ppbv		
73) 1,3,5-Trimethylbenzene	16.03	105	140020m	0.475	ppbv		
74) 1,2,4-Trimethylbenzene	16.80	105	169905	0.539	ppbv	#	88
75) 1,3-Dichlorobenzene	17.04	146	100352	0.532	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	97367m	0.536	ppbv		
77) 1,2-Dichlorobenzene	17.86	146	96789m	0.546	ppbv		
78) Hexachloro-1,3-Butadiene	23.43	225	93400	0.555	ppbv		96
79) Naphthalene	22.26	128	108968	0.459	ppbv	#	96
80) Naphthalene,2-methyl-	25.01	142	32453	0.493	ppbv	#	90
81) 1,2,4-Trichlorobenzene	21.98	180	70710m	0.457	ppbv		

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

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