Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035705.D
Acq On : 23 Sep 2020 4:02
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 05:39:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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9/24/2020 1:35:12 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1301737	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	4873830	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	4984225	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3663699	10.23	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	404144	1.794	ppbv		99
3) Chlorodifluoromethane	2.99	51	285080	2.004	ppbv		96
4) Chloromethane	3.14	50	151843	1.993	ppbv		98
5) Vinyl Chloride	3.26	62	182993	1.936	ppbv		99
6) Bromomethane	3.47	94	151163	1.923	ppbv		89
7) Chloroethane	3.56	64	67361	2.024	ppbv		98
8) Dichlorotetrafluoroethane	3.19	85	532725	1.974	ppbv		98
9) Propene	3.01	41	102710	1.875	ppbv		99
10) Heptane	8.14	43	296585	1.983	ppbv		99
11) Trichlorofluoromethane	3.95	101	626748	1.931	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	461254	1.887	ppbv		98
13) Ethanol	3.61	45	22691m	1.670	ppbv		
14) Bromoethene	3.74	108	195835	1.873	ppbv		99
15) Acetone	3.85	43	300418	2.126	ppbv		93
16) 1,3-Butadiene	3.33	39	108733	2.044	ppbv		98
17) tert-Butyl alcohol	4.29	59	280288	1.647	ppbv		99
18) 1,1-Dichloroethene	4.29	96	200739	1.866	ppbv		95
19) Isopropyl Alcohol	3.97	45	131430	1.580	ppbv	#	96
20) Methylene Chloride	4.35	84	218001	2.049	ppbv		97
21) Allyl Chloride	4.41	41	135799	2.030	ppbv		99
22) trans-1,2-Dichloroethene	4.89	96	208135	1.815	ppbv		97
23) Vinyl Acetate	5.08	43	354127	1.944	ppbv		99
24) 1,1-Dichloroethane	5.02	63	385737	2.045	ppbv		99
25) Ethyl Acetate	5.69	43	523830	2.060	ppbv		99
26) Hexane	5.70	57	293407	2.041	ppbv		99
27) Carbon Disulfide	4.56	76	421888	2.057	ppbv		100
28) Methyl tert-Butyl Ether	5.04	73	457486	1.872	ppbv		100
29) Chloroform	5.76	83	574344	1.978	ppbv		98
30) Cyclohexane	7.14	84	277810	1.834	ppbv	#	84
31) cis-1,2-Dichloroethene	5.56	61	273164	1.874	ppbv		98
32) 1,1,1-Trichloroethane	6.52	97	521794	1.858	ppbv		99
34) 2-Butanone	5.25	43	344083	2.320	ppbv		98
35) Carbon Tetrachloride	7.03	117	537267	2.181	ppbv		97
36) Benzene	6.90	78	678417	2.128	ppbv		96
37) 1,2-Dichloroethane	6.31	62	338206	2.203	ppbv		100
38) Trichloroethene	7.85	130	339460	1.854	ppbv		96
39) 1,2-Dichloropropane	7.63	63	234864	2.166	ppbv		95
40) 1,4-Dioxane	7.86	88	99533	1.883	ppbv	#	57
41) Tetrahydrofuran	6.06	42	171458	2.183	ppbv		97
42) Bromodichloromethane	7.80	83	547105	2.210	ppbv		98
43) Methyl Methacrylate	8.03	69	268399	2.160	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	1005723	2.366	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	254825	2.031	ppbv		97
46) cis-1,3-Dichloropropene	8.72	75	316968	2.033	ppbv		95
47) 1,1,2-Trichloroethane	9.49	97	339021	2.135	ppbv		98
48) Dibromochloromethane	10.32	129	518420	2.092	ppbv		100
49) Bromoform	13.06	173	435528	1.974	ppbv		98
50) 4-Methyl-2-Pentanone	8.76	43	512258	2.377	ppbv		98
51) 2-Hexanone	10.16	43	421692	2.393	ppbv	#	96
52) Tetrachloroethene	11.25	164	315873	1.740	ppbv		97
53) Toluene	9.83	91	822863	2.059	ppbv		96
54) 1,2-Dibromoethane	10.63	107	515469	2.063	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.15	131	426439	2.083	ppbv	#	1
57) Chlorobenzene	12.17	112	781528	2.102	ppbv		97
58) Ethyl Benzene	12.73	91	1109455	2.120	ppbv		94
59) m/p-Xylene	13.02	91	1926317m	4.376	ppbv		
60) o-Xylene	13.72	91	967457	2.185	ppbv		97
61) Styrene	13.55	104	665245	1.990	ppbv		98
62) Isopropylbenzene	14.70	105	1515103	2.149	ppbv		94
63) 1,1,2,2-Tetrachloroethane	13.70	83	750319	2.190	ppbv		98
64) n-propylbenzene	15.59	120	427375	2.002	ppbv		75
65) tert-Butylbenzene	16.77	119	1419541	2.175	ppbv		96
66) Benzyl Chloride	17.02	91	356974	2.131	ppbv		97
67) sec-Butylbenzene	17.32	105	1997002	2.284	ppbv		93
69) p-Isopropyltoluene	17.68	119	1631031	2.146	ppbv		94
70) n-Butylbenzene	18.58	91	1673120	2.263	ppbv		93
71) 2-Chlorotoluene	15.48	91	1105124	2.143	ppbv		97
72) 4-Ethyltoluene	15.87	105	1169616	2.100	ppbv		97
73) 1,3,5-Trimethylbenzene	16.02	105	1101015	2.135	ppbv		94
74) 1,2,4-Trimethylbenzene	16.79	105	1253956	2.212	ppbv		96
75) 1,3-Dichlorobenzene	17.02	146	811348	1.971	ppbv		98
76) 1,4-Dichlorobenzene	17.17	146	771358	1.900	ppbv		99
77) 1,2-Dichlorobenzene	17.85	146	763696	1.916	ppbv		99
78) Hexachloro-1,3-Butadiene	23.41	225	424481	1.702	ppbv		99
79) Naphthalene	22.24	128	1250501	2.055	ppbv		97
80) Naphthalene,2-methyl-	25.01	142	228291	1.152	ppbv		99
81) 1,2,4-Trichlorobenzene	21.97	180	612719	1.717	ppbv		99

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

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