Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\
Data File : VL034848.D
Acq On : 9 Mar 2020 20:25
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 04:45:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 0
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : ICVVL030920

Manual Integrations APPROVED
MMDadoda
3/11/2020 3:26:11 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	950003	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2169867	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2243913m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1710209	9.77	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	986428	7.583	ppbv	98
3) Chlorodifluoromethane	2.95	51	981658	9.250	ppbv	100
4) Chloromethane	3.10	50	580829	9.684	ppbv	98
5) Vinyl Chloride	3.22	62	542652	9.411	ppbv	96
6) Bromomethane	3.44	94	317559	9.461	ppbv	92
7) Chloroethane	3.52	64	200473	9.628	ppbv	92
8) Dichlorotetrafluoroethane	3.15	85	1170916	8.667	ppbv	98
9) Propene	2.97	41	471893	9.314	ppbv	100
10) Heptane	8.13	43	1201047	9.632	ppbv	99
11) Trichlorofluoromethane	3.92	101	1227011	8.866	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	872055	9.003	ppbv	99
13) Ethanol	3.57	45	148912	9.667	ppbv	92
14) Bromoethene	3.71	108	401290	9.593	ppbv	100
15) Acetone	3.82	43	1113795	9.046	ppbv	99
16) 1,3-Butadiene	3.29	39	517842	9.300	ppbv	99
17) tert-Butyl alcohol	4.27	59	1237935	10.436	ppbv	99
18) 1,1-Dichloroethene	4.26	96	396143	9.235	ppbv	93
19) Isopropyl Alcohol	3.94	45	829164	10.664	ppbv #	39
20) Methylene Chloride	4.31	84	348606	8.955	ppbv	96
21) Allyl Chloride	4.38	41	761746	9.633	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	408392	9.384	ppbv	96
23) Vinyl Acetate	5.05	43	1797953	9.885	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1097393	9.000	ppbv	99
25) Ethyl Acetate	5.66	43	2000280	9.118	ppbv	100
26) Hexane	5.67	57	873832	9.251	ppbv	99
27) Carbon Disulfide	4.53	76	1054733	9.840	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1479230	9.412	ppbv	98
29) Chloroform	5.74	83	1286570	8.927	ppbv	100
30) Cyclohexane	7.13	84	748361	9.495	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	897033	9.286	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1296542	9.232	ppbv	99
34) 2-Butanone	5.23	43	1364247	9.461	ppbv	99
35) Carbon Tetrachloride	7.02	117	1341450	9.940	ppbv	98
36) Benzene	6.89	78	1781060	9.209	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1005490	9.220	ppbv	100
38) Trichloroethene	7.84	130	680163	9.260	ppbv	99
39) 1,2-Dichloropropane	7.62	63	704489	9.193	ppbv	95
40) 1,4-Dioxane	7.83	88	275265	9.512	ppbv #	100
41) Tetrahydrofuran	6.04	42	782552	10.029	ppbv	98
42) Bromodichloromethane	7.80	83	1395566	9.389	ppbv	98
43) Methyl Methacrylate	8.02	69	788786	9.680	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\
Data File : VL034848.D
Acq On : 9 Mar 2020 20:25
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL030920

Manual Integrations APPROVED
MMDadoda
3/11/2020 3:26:11 PM

Quant Time: Mar 11 04:45:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 0
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3038124	9.296	ppbv		100
45) t-1,3-Dichloropropene	9.29	75	997577	10.421	ppbv		99
46) cis-1,3-Dichloropropene	8.71	75	1140955	10.030	ppbv		98
47) 1,1,2-Trichloroethane	9.49	97	709613	9.023	ppbv		96
48) Dibromochloromethane	10.32	129	1212225	9.518	ppbv		100
49) Bromoform	13.07	173	1066301	9.390	ppbv		100
50) 4-Methyl-2-Pentanone	8.75	43	1966089	9.472	ppbv		99
51) 2-Hexanone	10.15	43	1619783	9.602	ppbv		99
52) Tetrachloroethene	11.24	164	658018	8.600	ppbv		99
53) Toluene	9.82	91	2062248	9.233	ppbv		100
54) 1,2-Dibromoethane	10.63	107	1099640	9.289	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.15	131	900549	8.934	ppbv	#	57
57) Chlorobenzene	12.17	112	1519418	8.654	ppbv		97
58) Ethyl Benzene	12.73	91	2707770	8.911	ppbv		99
59) m/p-Xylene	13.02	91	4419773m	17.361	ppbv		
60) o-Xylene	13.72	91	2114815	8.508	ppbv		100
61) Styrene	13.55	104	1630611	9.348	ppbv		99
62) Isopropylbenzene	14.70	105	3204523	8.526	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1448081	8.581	ppbv		99
64) n-propylbenzene	15.59	120	843903	8.627	ppbv		98
65) tert-Butylbenzene	16.78	119	2777268	8.453	ppbv		100
66) Benzyl Chloride	17.02	91	1487483	10.857	ppbv		99
67) sec-Butylbenzene	17.33	105	3947554	8.665	ppbv		99
69) p-Isopropyltoluene	17.69	119	3354504	8.781	ppbv		100
70) n-Butylbenzene	18.59	91	3432647	8.807	ppbv		100
71) 2-Chlorotoluene	15.48	91	2434007	8.551	ppbv		100
72) 4-Ethyltoluene	15.87	105	2588103	8.816	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	2426871	8.831	ppbv		98
74) 1,2,4-Trimethylbenzene	16.80	105	2484396	8.775	ppbv		95
75) 1,3-Dichlorobenzene	17.03	146	1475280	8.642	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1489612	8.744	ppbv		99
77) 1,2-Dichlorobenzene	17.86	146	1457652	8.809	ppbv		98
78) Hexachloro-1,3-Butadiene	23.41	225	1315536m	9.518	ppbv		
79) Naphthalene	22.25	128	2694155m	12.202	ppbv		
80) Naphthalene,2-methyl-	25.01	142	610238	10.576	ppbv		96
81) 1,2,4-Trichlorobenzene	21.98	180	1553142	11.072	ppbv		100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\
Data File : VL034848.D
Acq On : 9 Mar 2020 20:25
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 04:45:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Manual Integrations APPROVED
MMDadoda
3/11/2020 3:26:11 PM