	Ion intensities Sample Name										Ions that pass the CV criteria		
mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
101,280_3,00	9.25E+06	9.05E+06	7.83E+06	9.62E+06	7.54E+06	8.37E+06	6.87E+06	1.0E+06	8.4E+06	12.0	YES	YES	YES
101,760_0,90	5.67E+06	6.88E+06	6.51E+06	6.95E+06	7.52E+06	8.39E+06	8.32E+06	9.8E+05	7.2E+06	13.6	YES	YES	YES
102,720_0,93	2.99E+07	3.02E+07	2.98E+07	2.87E+07	3.26E+07	3.35E+07	3.41E+07	2.1E+06	3.1E+07	6.8	YES	YES	YES
102,720_3,58	1.35E+07	1.42E+07	1.31E+07	9.53E+06	1.72E+07	1.25E+07	1.55E+07	2.4E+06	1.4E+07	17.7		YES	YES
103,040_3,58	5.85E+07	5.83E+07	5.45E+07	5.88E+07	6.59E+07	5.70E+07	6.11E+07	3.6E+06	5.9E+07	6.0	YES	YES	YES
103,840_0,86	3.61E+07	3.99E+07	3.17E+07	3.44E+07	4.24E+07	3.42E+07	3.40E+07	3.7E+06	3.6E+07	10.4	YES	YES	YES
104,080_10,83	9.15E+07	7.29E+07	7.56E+07	7.31E+07	7.65E+07	7.06E+07	7.81E+07	6.9E+06	7.7E+07	9.0	YES	YES	YES
104,080_11,78	2.35E+07	2.12E+07	2.11E+07	1.74E+07	1.88E+07	1.21E+07	1.90E+07	3.6E+06	1.9E+07	19.1		YES	YES
104,160_0,88	1.05E+08	1.11E+08	1.02E+08	9.87E+07	1.13E+08	1.08E+08	1.02E+08	5.2E+06	1.1E+08	4.9	YES	YES	YES
104,720_5,73	5.63E+06	7.54E+06	5.10E+06	6.62E+06	5.33E+06	6.04E+06	6.54E+06	8.5E+05	6.1E+06	13.9	YES	YES	YES
105,040_5,74	3.96E+07	4.08E+07	4.13E+07	3.80E+07	3.87E+07	4.60E+07	3.71E+07	3.0E+06	4.0E+07	7.4	YES	YES	YES
105,120_0,88	2.33E+07	2.48E+07	2.36E+07	2.36E+07	2.21E+07	2.04E+07	2.57E+07	1.7E+06	2.3E+07	7.4	YES	YES	YES
106,800_0,86	1.96E+07	2.03E+07	1.85E+07	1.52E+07	1.59E+07	1.47E+07	2.00E+07	2.4E+06	1.8E+07	13.5	YES	YES	YES
108,480_0,97	1.56E+07	1.57E+07	1.50E+07	1.39E+07	1.66E+07	1.31E+07	1.78E+07	1.6E+06	1.5E+07	10.3	YES	YES	YES
109,120_1,01	3.46E+07	3.32E+07	3.52E+07	3.06E+07	2.91E+07	3.31E+07	3.00E+07	2.4E+06	3.2E+07	7.3	YES	YES	YES
110,080_0,99	4.62E+07	4.55E+07	4.55E+07	3.97E+07	4.30E+07	4.34E+07	4.13E+07	2.4E+06	4.4E+07	5.5	YES	YES	YES
110,720_9,85	3.75E+06	4.63E+06	4.63E+06	4.50E+06	2.75E+06	3.88E+06	4.25E+06	6.7E+05	4.1E+06	16.6		YES	YES
111,120_9,85	3.06E+07	3.85E+07	3.70E+07	4.19E+07	3.68E+07	3.91E+07	3.95E+07	3.5E+06	3.8E+07	9.4	YES	YES	YES
111,680_1,15	3.15E+07	3.44E+07	4.87E+07	2.78E+07	2.52E+07	2.99E+07	2.71E+07	7.9E+06	3.2E+07	24.7			YES
112,080_1,17	1.52E+08	1.55E+08	1.66E+08	1.43E+08	1.28E+08	1.52E+08	1.46E+08	1.2E+07	1.5E+08	8.0	YES	YES	YES
112,640_3,06	4.73E+06	6.10E+06	4.83E+06	6.13E+06	5.87E+06	3.86E+06	4.19E+06	9.3E+05	5.1E+06	18.3		YES	YES
113,040_3,02	5.34E+07	5.80E+07	4.94E+07	5.32E+07	5.29E+07	5.16E+07	5.26E+07	2.6E+06	5.3E+07	4.9	YES	YES	YES
113,280_1,13	8.91E+07	8.51E+07	7.77E+07	7.63E+07	7.21E+07	6.98E+07	7.99E+07	6.8E+06	7.9E+07	8.7	YES	YES	YES
113,680_5,27	2.63E+07	2.42E+07	2.71E+07	2.55E+07	2.56E+07	2.18E+07	2.74E+07	1.9E+06	2.5E+07	7.5	YES	YES	YES
114,240_1,07	6.86E+07	7.01E+07	6.18E+07	6.23E+07	6.11E+07	5.66E+07	6.47E+07	4.6E+06	6.4E+07	7.3	YES	YES	YES
114,480_4,95	1.84E+08	1.71E+08	1.71E+08	1.69E+08	1.78E+08	1.57E+08	1.89E+08	1.1E+07	1.7E+08	6.1	YES	YES	YES
115,040_0,96	1.64E+08	1.64E+08	1.65E+08	1.61E+08	1.59E+08	1.52E+08	1.53E+08	5.4E+06	1.6E+08	3.4	YES	YES	YES
116,080_1,07	5.40E+08	4.88E+08	5.19E+08	5.64E+08	5.38E+08	5.18E+08	5.17E+08	2.4E+07	5.3E+08	4.5	YES	YES	YES
116,640_7,96	5.54E+07	4.50E+07	4.91E+07	4.77E+07	4.36E+07	4.70E+07	4.77E+07	3.8E+06	4.8E+07	7.8	YES	YES	YES
117,680_0,99	2.33E+08	2.27E+08	2.44E+08	2.50E+08	2.06E+08	2.28E+08	2.13E+08	1.6E+07	2.3E+08	6.8	YES	YES	YES
117,760_4,19	1.04E+07	1.31E+07	1.15E+07	1.59E+07	2.18E+07	1.39E+07	1.41E+07	3.7E+06	1.4E+07	25.9			YES
118,080_1,01	1.74E+09	1.58E+09	1.63E+09	1.68E+09	1.64E+09	1.70E+09	1.63E+09	5.3E+07	1.7E+09	3.2	YES	YES	YES
118,080_4,19	1.18E+08	1.22E+08	1.27E+08	1.20E+08	1.44E+08	1.24E+08	1.26E+08	8.6E+06	1.3E+08	6.8	YES	YES	YES
119,120_0,99	2.58E+08	2.38E+08	2.53E+08	2.22E+08	2.30E+08	2.41E+08	2.22E+08	1.4E+07	2.4E+08	6.1	YES	YES	YES
119,920_0,99	2.00E+08	2.23E+08	2.28E+08	1.80E+08	2.04E+08	1.98E+08	1.96E+08	1.6E+07	2.0E+08	8.1	YES	YES	YES
120,080_3,57	1.82E+09	1.76E+09	1.91E+09	1.79E+09	1.90E+09	1.82E+09	1.84E+09	5.3E+07	1.8E+09	2.9	YES	YES	YES
121,120_3,56	2.91E+08	2.84E+08	3.08E+08	2.94E+08	3.10E+08	3.07E+08	3.12E+08	1.1E+07	3.0E+08	3.6	YES	YES	YES
122,240_2,21	1.65E+08	1.54E+08	1.48E+08	1.31E+08	1.23E+08	1.22E+08	1.22E+08	1.8E+07	1.4E+08	12.8	YES	YES	YES
123,120_5,69	2.48E+07	2.60E+07	2.06E+07	2.39E+07	1.59E+07	1.62E+07	2.03E+07	4.0E+06	2.1E+07	19.2		YES	YES
123,120_9,73	2.24E+07	2.03E+07	2.73E+07	1.98E+07	1.66E+07	1.71E+07	2.14E+07	3.6E+06	2.1E+07	17.3		YES	YES
123,280_0,97	1.04E+08	9.68E+07	9.14E+07	8.33E+07	7.57E+07	7.55E+07	7.39E+07	1.2E+07	8.6E+07	13.8	YES	YES	YES
124,080_0,88	5.62E+07	5.47E+07	4.87E+07	4.46E+07	4.34E+07	4.37E+07	4.31E+07	5.6E+06	4.8E+07	11.7	YES	YES	YES
125,920_1,05	5.70E+07	6.03E+07	5.39E+07	4.75E+07	5.18E+07	4.98E+07	4.89E+07	4.6E+06	5.3E+07	8.8	YES	YES	YES
126,000_1,05	9.51E+07	9.75E+07	9.73E+07	8.15E+07	8.67E+07	9.07E+07	8.48E+07	6.4E+06	9.1E+07	7.0	YES	YES	YES
126,720_1,05	9.09E+06	8.22E+06	1.09E+07	8.71E+06	9.04E+06	1.18E+07	9.73E+06	1.3E+06	9.6E+06	13.3	YES	YES	YES
127,040_1,05	1.42E+08	1.25E+08	1.24E+08	1.15E+08	1.12E+08	1.12E+08	1.12E+08	1.1E+07	1.2E+08	9.3	YES	YES	YES
128,720_0,99	1.10E+08	1.11E+08	9.43E+07	9.18E+07	9.18E+07	9.07E+07	9.48E+07	8.7E+06	9.8E+07	8.9	YES	YES	YES
129,040_2,91	8.66E+07	8.60E+07	8.80E+07	8.18E+07	8.14E+07	8.15E+07	8.55E+07	2.8E+06	8.4E+07	3.3	YES	YES	YES
129,600_3,03	1.06E+07	9.25E+06	1.16E+07	1.04E+07	8.96E+06	1.06E+07	1.25E+07	1.2E+06	1.1E+07	11.7	YES	YES	YES
130,080_0,97	9.42E+08	9.22E+08	8.94E+08	8.06E+08	8.79E+08	8.86E+08	8.36E+08	4.7E+07	8.8E+08	5.3	YES	YES	YES
130,080_2,98	2.06E+08	2.24E+08	2.35E+08	2.33E+08	2.27E+08	2.39E+08	2.47E+08	1.3E+07	2.3E+08	5.7	YES	YES	YES
130,080_7,39	1.05E+08	1.07E+08	1.20E+08	1.18E+08	1.07E+08	1.16E+08	1.12E+08	6.0E+06	1.1E+08	5.4	YES	YES	YES
131,600_0,99	1.60E+08	1.83E+08	1.65E+08	1.28E+08	1.46E+08	1.30E+08	1.52E+08	2.0E+07	1.5E+08	13.0	YES	YES	YES
131,680_3,55	1.13E+08	1.04E+08	1.00E+08	8.86E+07	9.83E+07	9.62E+07	1.06E+08	7.7E+06	1.0E+08	7.7	YES	YES	YES
131,840_1,01	1.50E+08	1.73E+08	1.58E+08	1.23E+08	1.39E+08	1.24E+08	1.45E+08	1.8E+07	1.4E+08	12.3	YES	YES	YES
132,080_0,99	5.87E+08	5.61E+08	5.44E+08	4.77E+08	5.38E+08	5.53E+08	5.41E+08	3.4E+07	5.4E+08	6.2	YES	YES	YES
132,080_5,30	5.93E+07	5.66E+07	5.55E+07	5.60E+07	6.14E+07	4.96E+07	6.59E+07	5.2E+06	5.8E+07	8.9	YES	YES	YES
132,160_2,25	3.90E+08	3.66E+08	3.77E+08	3.43E+08	3.55E+08	3.58E+08	3.69E+08	1.5E+07	3.7E+08	4.2	YES	YES	YES
132,880_2,29	2.85E+07	2.43E+07	2.65E+07	2.41E+07	2.75E+07	2.26E+07	2.51E+07	2.1E+06	2.6E+07	8.1	YES	YES	YES
133,120_0,97	1.98E+08	2.10E+08	1.94E+08	1.72E+08	1.82E+08	1.85E+08	1.89E+08	1.2E+07	1.9E+08	6.4	YES	YES	YES
134,000_0,94	6.80E+07	6.88E+07	6.78E+07	5.53E+07	6.31E+07	6.50E+07	6.36E+07	4.6E+06	6.5E+07	7.2	YES	YES	YES
135,600_1,42	3.35E+07	3.28E+07	2.63E+07	2.68E+07	2.35E+07	2.76E+07	2.53E+07	3.8E+06	2.8E+07	13.5	YES	YES	YES
135,840_2,56	2.06E+08	2.33E+08	2.11E+08	1.99E+08	2.18E+08	2.13E+08	2.41E+08	1.5E+07	2.2E+08	6.9	YES	YES	YES
137,040_3,26	5.95E+07	6.56E+07	6.08E+07	5.80E+07	5.48E+07	5.53E+07	6.49E+07	4.3E+06	6.0E+07	7.2	YES	YES	YES
137,200_9,72	2.43E+07	2.34E+07	2.40E+07	2.40E+07	2.30E+07	2.34E+07	2.36E+07	4.4E+05	2.4E+07	1.9	YES	YES	YES
137,520_0,99	2.59E+07	2.35E+07	2.58E+07	2.21E+07	2.17E+07	2.19E+07	4.16E+07	7.1E+06	2.6E+07	27.1			YES
139,040_3,01	5.99E+07	5.77E+07	6.68E+07	5.64E+07	6.16E+07	5.98E+07	5.97E+07	3.3E+06	6.0E+07	5.5	YES	YES	YES
139,680_1,11	8.32E+07	5.68E+07	6.47E+07	6.08E+07	5.52E+07	6.59E+07	6.12E+07	9.3E+06	6.4E+07	14.5	YES	YES	YES
140,080_0,99	7.18E+08	5.17E+08	5.75E+08	5.46E+08	5.86E+08	6.11E+08	5.07E+08	7.1E+07	5.8E+08	12.3	YES	YES	YES
140,160_5,68	5.70E+07	4.81E+07	4.30E+07	4.01E+07	3.58E+07	4.15E+07	4.25E+07	6.8E+06	4.4E+07	15.4		YES	YES
141,040_3,24	4.17E+07	2.80E+07	2.31E+07	2.41E+07	2.46E+07	2.12E+07	2.29E+07	7.0E+06	2.7E+07	26.5			YES
141,120_1,01	1.05E+08	7.76E+07	7.83E+07	7.30E+07	8.08E+07	7.74E+07	6.80E+07	1.2E+07	8.0E+07	14.7	YES	YES	YES
142,160_0,94	2.74E+07	2.31E+07	2.34E+07	1.91E+07	2.61E+07	2.16E+07	2.07E+07	2.9E+06	2.3E+07	12.7	YES	YES	YES
143,040_1,05	5.01E+07	4.39E+07	4.09E+07	3.98E+07	4.25E+07	4.22E+07	4.52E+07	3.4E+06	4.4E+07	7.9	YES	YES	YES
143,040_3,17	4.37E+07	3.90E+07	3.01E+07	2.70E+07	3.56E+07	2.78E+07	3.26E+07	6.1E+06	3.4E+07	18.2		YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
144,080_1,11	6.11E+07	5.87E+07	6.12E+07	6.23E+07	6.80E+07	6.40E+07	6.66E+07	3.3E+06	6.3E+07	5.2	YES	YES	YES
144,880_4,18	7.93E+07	7.58E+07	7.32E+07	6.71E+07	6.34E+07	7.65E+07	7.21E+07	5.6E+06	7.2E+07	7.7	YES	YES	YES
145,040_1,17	1.38E+08	1.20E+08	1.18E+08	1.12E+08	1.11E+08	1.20E+08	1.23E+08	9.1E+06	1.2E+08	7.6	YES	YES	YES
145,840_0,99	6.97E+07	6.98E+07	6.82E+07	6.53E+07	6.50E+07	7.01E+07	6.32E+07	2.8E+06	6.7E+07	4.1	YES	YES	YES
146,080_4,21	7.50E+08	7.32E+08	7.04E+08	7.31E+08	6.71E+08	7.51E+08	7.80E+08	3.5E+07	7.3E+08	4.8	YES	YES	YES
147,040_2,35	9.59E+07	7.99E+07	7.81E+07	6.90E+07	7.20E+07	7.28E+07	7.17E+07	9.2E+06	7.7E+07	11.9	YES	YES	YES
147,120_4,18	1.14E+08	1.13E+08	1.09E+08	1.10E+08	9.82E+07	1.11E+08	1.07E+08	5.3E+06	1.1E+08	4.8	YES	YES	YES
147,120_9,73	1.94E+07	2.18E+07	2.16E+07	2.36E+07	2.13E+07	2.23E+07	2.16E+07	1.3E+06	2.2E+07	5.8	YES	YES	YES
147,920_0,95	1.85E+08	1.99E+08	1.97E+08	1.83E+08	1.90E+08	1.80E+08	1.91E+08	6.8E+06	1.9E+08	3.6	YES	YES	YES
149,040_9,47	1.46E+08	1.60E+08	1.48E+08	1.48E+08	1.44E+08	1.40E+08	1.57E+08	7.2E+06	1.5E+08	4.8	YES	YES	YES
149,120_3,55	4.15E+07	3.74E+07	4.07E+07	3.82E+07	3.66E+07	3.85E+07	3.97E+07	1.8E+06	3.9E+07	4.5	YES	YES	YES
149,760_1,21	8.21E+07	8.56E+07	8.29E+07	6.98E+07	7.68E+07	6.90E+07	8.43E+07	6.9E+06	7.9E+07	8.7	YES	YES	YES
151,040_0,93	5.85E+07	6.28E+07	6.49E+07	5.30E+07	6.56E+07	5.04E+07	6.10E+07	5.9E+06	5.9E+07	9.9	YES	YES	YES
151,120_9,72	1.66E+07	2.15E+07	1.60E+07	1.68E+07	1.83E+07	2.03E+07	1.96E+07	2.1E+06	1.8E+07	11.3	YES	YES	YES
152,080_0,94	5.97E+07	6.25E+07	6.40E+07	5.17E+07	6.06E+07	4.96E+07	6.13E+07	5.5E+06	5.8E+07	9.5	YES	YES	YES
153,040_3,50	1.06E+08	1.15E+08	9.78E+07	9.43E+07	1.15E+08	1.02E+08	1.15E+08	8.8E+06	1.1E+08	8.2	YES	YES	YES
154,160_0,97	1.33E+07	1.45E+07	1.46E+07	1.27E+07	1.40E+07	1.49E+07	1.18E+07	1.1E+06	1.4E+07	8.2	YES	YES	YES
156,000_1,01	5.60E+07	5.00E+07	5.15E+07	4.66E+07	4.93E+07	4.62E+07	4.37E+07	4.0E+06	4.9E+07	8.3	YES	YES	YES
156,960_3,02	6.26E+07	5.58E+07	5.24E+07	4.96E+07	5.05E+07	5.23E+07	5.18E+07	4.4E+06	5.4E+07	8.3	YES	YES	YES
157,120_0,88	1.49E+07	1.57E+07	1.51E+07	1.25E+07	1.20E+07	9.68E+06	1.25E+07	2.1E+06	1.3E+07	16.1		YES	YES
158,160_0,72	3.77E+07	3.90E+07	3.34E+07	2.67E+07	2.69E+07	2.42E+07	2.89E+07	5.8E+06	3.1E+07	18.7		YES	YES
158,240_8,33	2.86E+07	2.72E+07	2.33E+07	2.89E+07	2.49E+07	2.44E+07	2.51E+07	2.2E+06	2.6E+07	8.4	YES	YES	YES
159,120_0,96	6.25E+08	5.86E+08	5.73E+08	5.42E+08	5.52E+08	5.08E+08	4.71E+08	5.1E+07	5.5E+08	9.2	YES	YES	YES
159,120_4,23	3.33E+07	2.24E+07	2.21E+07	2.39E+07	1.58E+07	2.29E+07	1.85E+07	5.5E+06	2.3E+07	24.1			YES
159,120_9,73	4.09E+07	4.00E+07	3.39E+07	3.41E+07	3.29E+07	3.00E+07	3.21E+07	4.1E+06	3.5E+07	11.7	YES	YES	YES
160,080_0,86	1.00E+08	1.13E+08	1.03E+08	8.54E+07	9.39E+07	6.71E+07	9.70E+07	1.5E+07	9.4E+07	15.5		YES	YES
161,120_8,72	1.13E+07	9.88E+06	1.03E+07	1.06E+07	9.38E+06	1.28E+07	1.40E+07	1.7E+06	1.1E+07	14.9	YES	YES	YES
161,200_9,71	1.70E+07	2.31E+07	2.00E+07	1.80E+07	2.13E+07	1.89E+07	2.43E+07	2.7E+06	2.0E+07	13.1	YES	YES	YES
161,520_0,88	5.29E+07	5.84E+07	5.09E+07	4.04E+07	4.49E+07	3.64E+07	4.70E+07	7.5E+06	4.7E+07	15.9		YES	YES
162,160_0,88	4.16E+08	4.10E+08	3.75E+08	3.68E+08	3.91E+08	3.65E+08	3.61E+08	2.2E+07	3.8E+08	5.8	YES	YES	YES
163,200_9,71	1.60E+07	1.84E+07	1.99E+07	1.94E+07	1.64E+07	1.50E+07	1.91E+07	1.9E+06	1.8E+07	10.8	YES	YES	YES
163,440_0,99	9.65E+07	1.06E+08	9.89E+07	8.97E+07	8.77E+07	8.23E+07	9.96E+07	8.3E+06	9.4E+07	8.7	YES	YES	YES
164,960_2,21	2.03E+08	2.28E+08	2.23E+08	2.14E+08	2.20E+08	2.22E+08	2.43E+08	1.2E+07	2.2E+08	5.5	YES	YES	YES
165,120_1,57	1.47E+08	1.64E+08	1.49E+08	1.52E+08	1.23E+08	1.29E+08	1.15E+08	1.8E+07	1.4E+08	12.8	YES	YES	YES
165,120_8,70	8.25E+06	7.13E+06	7.38E+06	8.38E+06	7.50E+06	8.75E+06	7.13E+06	6.6E+05	7.8E+06	8.5	YES	YES	YES
165,120_9,72	1.25E+07	1.48E+07	1.39E+07	1.26E+07	1.41E+07	1.39E+07	1.61E+07	1.2E+06	1.4E+07	8.9	YES	YES	YES
166,080_0,99	5.53E+07	5.70E+07	6.02E+07	5.22E+07	5.67E+07	5.87E+07	6.18E+07	3.2E+06	5.7E+07	5.5	YES	YES	YES
166,080_3,58	6.89E+08	5.66E+08	6.98E+08	7.02E+08	7.38E+08	6.97E+08	6.99E+08	5.5E+07	6.8E+08	8.0	YES	YES	YES
167,120_3,58	1.19E+08	8.89E+07	9.62E+07	9.46E+07	1.04E+08	9.61E+07	1.04E+08	9.7E+06	1.0E+08	9.7	YES	YES	YES
168,080_10,74	1.64E+07	1.68E+07	1.75E+07	1.73E+07	1.58E+07	1.46E+07	1.38E+07	1.4E+06	1.6E+07	8.7	YES	YES	YES
168,160_11,67	7.75E+06	1.01E+07	7.40E+06	5.83E+06	7.75E+06	5.88E+06	4.43E+06	1.8E+06	7.0E+06	26.2			YES
168,960_2,06	7.71E+07	9.28E+07	8.40E+07	7.79E+07	8.95E+07	7.45E+07	9.11E+07	7.5E+06	8.4E+07	8.9	YES	YES	YES
169,040_1,24	1.63E+08	1.59E+08	1.65E+08	1.62E+08	1.57E+08	1.43E+08	1.53E+08	7.6E+06	1.6E+08	4.8	YES	YES	YES
170,080_0,95	4.44E+07	4.48E+07	4.38E+07	3.91E+07	4.33E+07	3.79E+07	4.08E+07	2.8E+06	4.2E+07	6.6	YES	YES	YES
170,080_4,21	1.69E+07	2.03E+07	1.81E+07	1.63E+07	1.48E+07	1.78E+07	1.84E+07	1.8E+06	1.8E+07	10.1	YES	YES	YES
170,080_7,32	1.14E+07	1.17E+07	1.17E+07	1.15E+07	1.43E+07	1.23E+07	1.35E+07	1.1E+06	1.2E+07	9.1	YES	YES	YES
170,080_8,86	2.91E+07	2.06E+07	2.39E+07	1.84E+07	1.73E+07	1.84E+07	1.65E+07	4.5E+06	2.1E+07	21.8			YES
172,160_7,38	1.91E+07	2.40E+07	2.18E+07	2.71E+07	2.41E+07	2.75E+07	2.57E+07	3.0E+06	2.4E+07	12.3	YES	YES	YES
172,160_8,94	1.44E+07	1.29E+07	1.65E+07	1.64E+07	1.76E+07	1.53E+07	1.73E+07	1.7E+06	1.6E+07	10.7	YES	YES	YES
173,120_1,07	2.02E+07	1.85E+07	2.25E+07	1.91E+07	2.04E+07	1.65E+07	1.88E+07	1.9E+06	1.9E+07	9.7	YES	YES	YES
173,120_3,06	4.78E+07	4.60E+07	4.14E+07	3.66E+07	3.96E+07	4.14E+07	4.63E+07	4.1E+06	4.3E+07	9.6	YES	YES	YES
173,120_9,73	1.19E+08	1.16E+08	1.05E+08	1.17E+08	1.11E+08	1.08E+08	1.22E+08	6.1E+06	1.1E+08	5.4	YES	YES	YES
174,080_6,07	2.78E+07	2.75E+07	2.61E+07	2.58E+07	2.61E+07	2.60E+07	2.71E+07	8.2E+05	2.7E+07	3.1	YES	YES	YES
175,040_3,02	2.62E+07	2.43E+07	2.68E+07	2.10E+07	2.28E+07	2.41E+07	2.09E+07	2.3E+06	2.4E+07	9.7	YES	YES	YES
175,120_8,24	3.43E+07	3.39E+07	3.20E+07	3.08E+07	3.61E+07	3.30E+07	3.81E+07	2.5E+06	3.4E+07	7.3	YES	YES	YES
175,200_0,86	9.66E+07	9.50E+07	9.01E+07	8.09E+07	8.42E+07	7.05E+07	7.17E+07	1.0E+07	8.4E+07	12.5	YES	YES	YES
176,080_0,97	5.06E+07	5.28E+07	4.88E+07	4.42E+07	5.16E+07	4.83E+07	4.64E+07	3.0E+06	4.9E+07	6.1	YES	YES	YES
176,960_0,82	7.96E+07	8.35E+07	8.22E+07	7.50E+07	7.90E+07	6.14E+07	6.74E+07	8.2E+06	7.5E+07	10.9	YES	YES	YES
177,200_9,73	2.04E+07	1.85E+07	1.69E+07	2.03E+07	1.74E+07	1.60E+07	1.79E+07	1.7E+06	1.8E+07	9.1	YES	YES	YES
178,000_0,84	1.75E+07	1.85E+07	1.88E+07	1.60E+07	1.79E+07	1.38E+07	1.56E+07	1.8E+06	1.7E+07	10.8	YES	YES	YES
179,120_0,86	6.83E+06	8.09E+06	6.95E+06	6.22E+06	6.36E+06	5.29E+06	5.32E+06	9.8E+05	6.4E+06	15.2		YES	YES
179,120_8,14	1.53E+07	1.25E+07	1.52E+07	1.72E+07	1.55E+07	1.30E+07	1.20E+07	1.9E+06	1.4E+07	13.3	YES	YES	YES
179,200_9,71	2.54E+07	2.93E+07	2.64E+07	2.76E+07	2.35E+07	2.71E+07	2.53E+07	1.9E+06	2.6E+07	7.1	YES	YES	YES
180,080_5,74	1.70E+07	2.16E+07	2.14E+07	1.97E+07	1.63E+07	2.19E+07	2.11E+07	2.3E+06	2.0E+07	11.6	YES	YES	YES
181,040_0,97	1.46E+07	1.76E+07	1.60E+07	1.39E+07	1.91E+07	1.60E+07	1.65E+07	1.8E+06	1.6E+07	10.8	YES	YES	YES
182,000_2,29	1.22E+08	1.29E+08	1.26E+08	1.19E+08	1.27E+08	1.21E+08	1.14E+08	5.1E+06	1.2E+08	4.2	YES	YES	YES
183,120_10,06	4.55E+07	4.10E+07	4.56E+07	4.08E+07	4.54E+07	4.73E+07	4.09E+07	2.8E+06	4.4E+07	6.3	YES	YES	YES
184,080_0,88	2.32E+07	2.59E+07	2.45E+07	2.38E+07	2.44E+07	2.14E+07	2.42E+07	1.4E+06	2.4E+07	5.8	YES	YES	YES
184,160_10,36	1.15E+08	1.14E+08	1.10E+08	1.20E+08	1.16E+08	1.13E+08	1.12E+08	3.3E+06	1.1E+08	2.9	YES	YES	YES
187,040_1,13	3.91E+07	3.48E+07	3.83E+07	4.10E+07	4.17E+07	4.20E+07	3.68E+07	2.7E+06	3.9E+07	6.8	YES	YES	YES
187,200_9,74	2.25E+07	2.61E+07	2.66E+07	3.16E+07	2.73E+07	2.85E+07	3.25E+07	3.4E+06	2.8E+07	12.2	YES	YES	YES
188,080_4,19	1.34E+09	1.36E+09	1.30E+09	1.03E+09	1.26E+09	1.40E+09	1.23E+09	1.2E+08	1.3E+09	9.7	YES	YES	YES
188,160_1,15	1.79E+07	1.55E+07	1.69E+07	2.90E+07	1.84E+07	1.77E+07	1.56E+07	4.7E+06	1.9E+07	24.9			YES
189,040_3,21	1.68E+07	1.75E+07	1.62E+07	1.34E+07	1.54E+07	1.44E+07	1.72E+07	1.5E+06	1.6E+07	9.6	YES	YES	YES
189,040_4,18	2.60E+08	2.68E+08	2.61E+08	1.78E+08	2.24E+08	2.66E+08	2.39E+08	3.2E+07	2.4E+08	13.4	YES	YES	YES
189,120_0,90	7.45E+06	8.08E+06	7.80E+06	7.38E+06	7.69E+06	6.92E+06	6.36E+06	5.8E+05	7.4E+06	7.9	YES	YES	YES
190,080_7,39	1.81E+07	2.07E+07	2.15E+07	2.47E+07	2.45E+07	2.45E+07	2.24E+07	2.5E+06	2.2E+07	11.0	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
190,160_1,07	6.00E+06	7.10E+06	5.98E+06	8.28E+06	7.35E+06	6.68E+06	3.11E+06	1.6E+06	6.4E+06	25.8			YES
191,200_9,71	1.00E+07	9.63E+06	1.09E+07	1.00E+07	1.14E+07	8.63E+06	1.29E+07	1.4E+06	1.0E+07	13.1	YES	YES	YES
191,440_0,90	1.12E+08	1.16E+08	1.15E+08	1.01E+08	1.05E+08	9.38E+07	1.01E+08	8.3E+06	1.1E+08	7.8	YES	YES	YES
192,000_0,90	2.02E+07	2.06E+07	1.91E+07	1.67E+07	1.84E+07	1.50E+07	1.96E+07	2.0E+06	1.9E+07	10.8	YES	YES	YES
192,080_3,26	2.62E+07	2.64E+07	2.99E+07	3.02E+07	2.85E+07	2.84E+07	2.93E+07	1.6E+06	2.8E+07	5.6	YES	YES	YES
193,200_8,24	3.50E+07	4.02E+07	3.43E+07	3.59E+07	3.60E+07	3.40E+07	3.56E+07	2.1E+06	3.6E+07	5.8	YES	YES	YES
195,120_4,04	1.47E+07	1.03E+07	8.73E+06	7.49E+06	7.45E+06	7.88E+06	9.62E+06	2.6E+06	9.5E+06	27.0			YES
198,160_0,97	4.83E+07	4.75E+07	4.77E+07	4.15E+07	5.31E+07	4.97E+07	4.54E+07	3.6E+06	4.8E+07	7.5	YES	YES	YES
199,200_9,84	5.18E+07	5.34E+07	6.19E+07	5.45E+07	5.44E+07	5.74E+07	5.99E+07	3.7E+06	5.6E+07	6.5	YES	YES	YES
200,080_0,78	2.33E+07	2.25E+07	2.00E+07	1.97E+07	2.06E+07	1.94E+07	2.05E+07	1.5E+06	2.1E+07	7.1	YES	YES	YES
200,160_9,84	1.86E+07	1.85E+07	2.21E+07	1.80E+07	1.81E+07	1.75E+07	2.11E+07	1.8E+06	1.9E+07	9.2	YES	YES	YES
200,240_6,83	1.04E+07	1.01E+07	9.63E+06	9.38E+06	7.85E+06	8.13E+06	9.12E+06	9.5E+05	9.2E+06	10.3	YES	YES	YES
201,280_9,87	4.71E+07	4.10E+07	4.29E+07	4.06E+07	3.79E+07	3.98E+07	4.18E+07	2.9E+06	4.2E+07	7.0	YES	YES	YES
202,000_5,72	7.50E+06	1.12E+07	9.53E+06	8.83E+06	8.79E+06	1.18E+07	9.96E+06	1.5E+06	9.7E+06	15.4		YES	YES
202,080_3,91	1.70E+07	1.91E+07	1.70E+07	1.67E+07	2.31E+07	1.57E+07	2.01E+07	2.6E+06	1.8E+07	14.1	YES	YES	YES
203,040_1,01	1.43E+09	1.24E+09	1.33E+09	1.29E+09	1.42E+09	1.33E+09	1.19E+09	8.9E+07	1.3E+09	6.7	YES	YES	YES
203,040_3,16	1.50E+07	1.60E+07	1.46E+07	1.36E+07	1.71E+07	1.39E+07	1.88E+07	1.8E+06	1.6E+07	11.9	YES	YES	YES
204,160_1,15	3.81E+08	3.69E+08	2.63E+08	2.62E+08	3.54E+08	3.84E+08	3.75E+08	5.5E+07	3.4E+08	16.0		YES	YES
205,120_1,15	9.62E+07	8.67E+07	7.50E+07	6.90E+07	8.85E+07	8.59E+07	7.40E+07	9.7E+06	8.2E+07	11.8	YES	YES	YES
205,120_4,19	2.28E+08	2.38E+08	2.36E+08	1.80E+08	2.11E+08	2.52E+08	2.29E+08	2.3E+07	2.2E+08	10.4	YES	YES	YES
205,120_9,46	1.89E+07	1.99E+07	1.80E+07	1.63E+07	1.89E+07	1.84E+07	1.84E+07	1.1E+06	1.8E+07	6.0	YES	YES	YES
206,080_1,15	8.33E+06	7.69E+06	7.02E+06	4.60E+06	9.13E+06	9.97E+06	6.54E+06	1.8E+06	7.6E+06	23.4			YES
206,080_4,22	3.35E+07	3.38E+07	3.67E+07	2.45E+07	3.09E+07	3.80E+07	3.30E+07	4.4E+06	3.3E+07	13.4	YES	YES	YES
207,280_9,91	1.51E+07	1.38E+07	1.40E+07	1.05E+07	1.59E+07	1.41E+07	1.53E+07	1.8E+06	1.4E+07	12.5	YES	YES	YES
208,160_8,21	8.63E+06	7.16E+06	6.05E+06	7.13E+06	8.13E+06	8.50E+06	8.98E+06	1.0E+06	7.8E+06	13.4	YES	YES	YES
209,120_4,91	6.06E+06	3.23E+06	3.62E+06	4.03E+06	3.60E+06	3.77E+06	3.86E+06	9.3E+05	4.0E+06	23.1			YES
209,200_9,72	1.10E+07	1.20E+07	1.16E+07	1.08E+07	1.48E+07	9.75E+06	1.38E+07	1.7E+06	1.2E+07	14.6	YES	YES	YES
210,880_0,76	6.59E+06	6.79E+06	6.50E+06	6.18E+06	5.58E+06	4.22E+06	4.58E+06	1.0E+06	5.8E+06	17.7		YES	YES
211,440_8,25	2.05E+07	2.16E+07	2.24E+07	2.29E+07	2.03E+07	2.24E+07	2.04E+07	1.1E+06	2.1E+07	5.1	YES	YES	YES
212,160_9,76	2.36E+07	1.83E+07	1.25E+07	1.35E+07	1.26E+07	1.20E+07	1.30E+07	4.3E+06	1.5E+07	28.7			YES
214,960_2,97	3.27E+07	3.51E+07	3.27E+07	3.88E+07	3.32E+07	3.84E+07	3.69E+07	2.7E+06	3.5E+07	7.5	YES	YES	YES
215,120_6,08	2.54E+07	2.79E+07	2.99E+07	2.84E+07	3.15E+07	2.99E+07	2.87E+07	1.9E+06	2.9E+07	6.7	YES	YES	YES
217,120_4,02	4.30E+07	4.51E+07	4.50E+07	3.99E+07	3.67E+07	3.86E+07	4.68E+07	3.8E+06	4.2E+07	9.0	YES	YES	YES
218,080_5,73	8.75E+06	8.63E+06	8.37E+06	8.66E+06	8.62E+06	7.90E+06	8.82E+06	3.1E+05	8.5E+06	3.7	YES	YES	YES
218,160_1,17	3.94E+07	3.62E+07	2.25E+07	2.63E+07	3.25E+07	3.50E+07	3.70E+07	6.1E+06	3.3E+07	18.8		YES	YES
219,040_1,13	8.83E+07	7.62E+07	7.12E+07	6.52E+07	7.52E+07	6.59E+07	5.37E+07	1.1E+07	7.1E+07	15.3		YES	YES
220,160_4,29	1.95E+07	2.04E+07	2.09E+07	2.06E+07	1.98E+07	1.21E+07	2.15E+07	3.2E+06	1.9E+07	16.7		YES	YES
221,040_0,97	1.55E+07	1.22E+07	1.65E+07	1.57E+07	1.34E+07	1.87E+07	1.87E+07	2.5E+06	1.6E+07	15.7		YES	YES
221,120_8,72	6.25E+06	5.50E+06	5.88E+06	8.75E+06	5.75E+06	7.25E+06	9.25E+06	1.5E+06	6.9E+06	21.8			YES
221,200_11,38	1.11E+07	1.59E+07	1.36E+07	1.38E+07	1.28E+07	1.60E+07	1.50E+07	1.8E+06	1.4E+07	12.5	YES	YES	YES
226,160_8,17	1.64E+07	1.56E+07	1.49E+07	1.62E+07	1.54E+07	2.26E+07	1.74E+07	2.6E+06	1.7E+07	15.6		YES	YES
226,800_0,82	2.60E+08	2.34E+08	2.47E+08	2.43E+08	2.30E+08	1.99E+08	1.81E+08	2.8E+07	2.3E+08	12.3	YES	YES	YES
227,920_0,86	1.44E+07	1.39E+07	1.31E+07	1.20E+07	1.11E+07	8.88E+06	9.04E+06	2.2E+06	1.2E+07	18.9		YES	YES
228,160_7,52	3.27E+08	3.42E+08	3.26E+08	3.27E+08	3.21E+08	3.29E+08	3.38E+08	7.4E+06	3.3E+08	2.2	YES	YES	YES
229,280_7,50	8.19E+07	8.28E+07	7.81E+07	7.79E+07	7.43E+07	8.00E+07	7.78E+07	2.9E+06	7.9E+07	3.6	YES	YES	YES
230,160_3,13	1.03E+07	9.01E+06	8.22E+06	7.60E+06	9.03E+06	9.78E+06	8.79E+06	9.0E+05	9.0E+06	10.1	YES	YES	YES
230,240_6,79	1.05E+07	9.24E+06	9.18E+06	1.34E+07	1.31E+07	1.24E+07	8.59E+06	2.0E+06	1.1E+07	18.5		YES	YES
231,120_4,91	1.57E+07	1.69E+07	1.94E+07	2.17E+07	1.58E+07	1.91E+07	2.06E+07	2.4E+06	1.8E+07	12.8	YES	YES	YES
232,160_3,06	1.61E+08	1.52E+08	1.41E+08	1.42E+08	1.28E+08	1.51E+08	1.54E+08	1.1E+07	1.5E+08	7.3	YES	YES	YES
232,240_7,48	7.25E+06	5.22E+06	6.59E+06	6.12E+06	6.63E+06	6.88E+06	6.61E+06	6.5E+05	6.5E+06	10.0	YES	YES	YES
233,120_3,06	3.03E+07	2.73E+07	2.48E+07	2.30E+07	2.37E+07	2.59E+07	2.45E+07	2.5E+06	2.6E+07	9.7	YES	YES	YES
239,120_0,80	1.04E+07	8.23E+06	7.23E+06	5.45E+06	4.49E+06	3.53E+06	4.17E+06	2.5E+06	6.2E+06	40.3			
239,120_4,58	1.08E+07	9.61E+06	9.77E+06	1.17E+07	8.12E+06	8.16E+06	1.04E+07	1.3E+06	9.8E+06	13.6	YES	YES	YES
240,080_10,54	3.03E+08	2.71E+08	2.55E+08	2.54E+08	2.48E+08	2.46E+08	2.41E+08	2.1E+07	2.6E+08	8.2	YES	YES	YES
240,080_11,68	1.03E+08	9.05E+07	8.41E+07	7.92E+07	8.53E+07	8.21E+07	7.75E+07	8.8E+06	8.6E+07	10.2	YES	YES	YES
240,240_9,14	3.13E+07	2.84E+07	2.59E+07	2.50E+07	2.50E+07	2.35E+07	2.84E+07	2.7E+06	2.7E+07	10.0	YES	YES	YES
241,280_5,68	6.10E+07	7.64E+07	7.06E+07	7.23E+07	5.46E+07	6.51E+07	7.47E+07	7.9E+06	6.8E+07	11.7	YES	YES	YES
241,760_5,68	2.98E+07	3.30E+07	2.55E+07	2.84E+07	2.05E+07	2.23E+07	3.28E+07	4.9E+06	2.7E+07	17.9		YES	YES
242,240_5,69	6.63E+06	6.17E+06	6.54E+06	4.30E+06	4.06E+06	4.33E+06	6.55E+06	1.2E+06	5.5E+06	22.0			YES
242,960_0,84	4.65E+07	4.81E+07	4.50E+07	4.29E+07	3.35E+07	3.41E+07	3.18E+07	6.9E+06	4.0E+07	17.1		YES	YES
243,280_9,72	4.56E+07	4.94E+07	4.90E+07	4.89E+07	4.59E+07	4.48E+07	5.51E+07	3.5E+06	4.8E+07	7.3	YES	YES	YES
244,240_8,97	2.06E+07	2.30E+07	2.45E+07	2.51E+07	2.28E+07	2.11E+07	2.44E+07	1.7E+06	2.3E+07	7.5	YES	YES	YES
244,960_0,80	1.17E+07	1.05E+07	1.10E+07	9.32E+06	8.05E+06	8.06E+06	7.20E+06	1.7E+06	9.4E+06	18.2		YES	YES
245,120_5,70	4.28E+07	3.00E+07	2.27E+07	2.06E+07	1.83E+07	1.83E+07	1.62E+07	9.4E+06	2.4E+07	38.9			
245,200_11,50	4.34E+07	2.48E+07	2.13E+07	1.96E+07	1.88E+07	2.44E+07	1.72E+07	8.9E+06	2.4E+07	36.8			
246,160_3,67	1.85E+07	1.51E+07	1.66E+07	1.40E+07	1.63E+07	1.29E+07	1.49E+07	1.8E+06	1.5E+07	11.9	YES	YES	YES
247,120_3,74	1.54E+07	1.48E+07	1.90E+07	1.58E+07	1.58E+07	1.42E+07	1.63E+07	1.5E+06	1.6E+07	9.6	YES	YES	YES
250,160_8,26	4.84E+07	6.28E+07	4.72E+07	5.45E+07	6.41E+07	6.19E+07	6.07E+07	7.0E+06	5.7E+07	12.3	YES	YES	YES
250,960_8,25	1.20E+07	1.13E+07	1.01E+07	1.13E+07	1.20E+07	1.14E+07	1.30E+07	8.8E+05	1.2E+07	7.6	YES	YES	YES
256,320_7,98	2.94E+08	3.04E+08	2.49E+08	2.75E+08	2.70E+08	2.67E+08	2.68E+08	1.8E+07	2.8E+08	6.7	YES	YES	YES
257,120_0,99	1.27E+08	6.28E+07	8.21E+07	5.48E+07	8.58E+07	9.48E+07	5.59E+07	2.6E+07	8.0E+07	31.9			
257,280_8,00	7.43E+07	7.78E+07	6.08E+07	6.77E+07	6.64E+07	6.79E+07	6.21E+07	6.1E+06	6.8E+07	9.0	YES	YES	YES
258,080_0,99	2.64E+07	2.08E+07	2.74E+07	2.47E+07	2.72E+07	2.63E+07	2.55E+07	2.3E+06	2.5E+07	8.9	YES	YES	YES
258,080_3,10	1.72E+07	1.96E+07	1.93E+07	1.48E+07	1.65E+07	1.62E+07	1.71E+07	1.7E+06	1.7E+07	9.9	YES	YES	YES
258,320_7,50	1.21E+08	1.27E+08	1.15E+08	1.18E+08	1.18E+08	1.13E+08	1.15E+08	4.8E+06	1.2E+08	4.1	YES	YES	YES
258,880_0,86	1.07E+07	9.40E+06	9.45E+06	7.99E+06	7.92E+06	6.63E+06	7.25E+06	1.4E+06	8.5E+06	16.8		YES	YES
259,200_6,42	1.49E+07	9.21E+06	1.22E+07	1.44E+07	1.47E+07	1.17E+07	1.14E+07	2.1E+06	1.3E+07	16.7		YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
259,360_7,48	5.23E+07	5.24E+07	4.87E+07	5.07E+07	4.63E+07	4.04E+07	4.53E+07	4.4E+06	4.8E+07	9.1	YES	YES	YES
260,160_4,91	2.12E+07	2.21E+07	2.41E+07	2.66E+07	2.22E+07	2.40E+07	2.32E+07	1.8E+06	2.3E+07	7.7	YES	YES	YES
261,120_5,30	6.07E+07	5.60E+07	5.71E+07	6.42E+07	6.26E+07	5.40E+07	6.97E+07	5.4E+06	6.1E+07	9.0	YES	YES	YES
261,200_9,73	2.30E+07	2.60E+07	2.74E+07	2.14E+07	2.56E+07	2.24E+07	2.20E+07	2.3E+06	2.4E+07	9.7	YES	YES	YES
263,280_11,52	4.01E+07	1.48E+07	2.05E+07	1.79E+07	2.28E+07	2.55E+07	1.97E+07	8.3E+06	2.3E+07	35.8			
264,320_10,10	1.63E+07	1.35E+07	1.48E+07	1.86E+07	1.43E+07	1.66E+07	1.31E+07	2.0E+06	1.5E+07	12.8	YES	YES	YES
266,080_8,19	5.13E+06	6.32E+06	7.29E+06	8.25E+06	8.38E+06	9.88E+06	7.43E+06	1.5E+06	7.5E+06	20.3			YES
267,120_11,06	1.73E+07	1.46E+07	1.45E+07	1.43E+07	1.55E+07	1.74E+07	1.29E+07	1.6E+06	1.5E+07	10.7	YES	YES	YES
267,200_10,04	7.36E+07	7.01E+07	7.61E+07	8.49E+07	7.14E+07	7.96E+07	6.90E+07	5.7E+06	7.5E+07	7.6	YES	YES	YES
269,280_11,35	1.53E+07	1.75E+07	1.88E+07	1.59E+07	1.84E+07	2.41E+07	1.81E+07	2.9E+06	1.8E+07	15.8		YES	YES
272,240_9,01	2.74E+07	3.48E+07	2.95E+07	3.01E+07	2.98E+07	3.05E+07	3.00E+07	2.2E+06	3.0E+07	7.3	YES	YES	YES
273,200_6,99	4.15E+07	4.03E+07	3.63E+07	4.25E+07	3.84E+07	3.85E+07	3.75E+07	2.2E+06	3.9E+07	5.7	YES	YES	YES
274,240_7,52	1.39E+07	2.27E+07	1.92E+07	2.25E+07	2.01E+07	1.81E+07	2.10E+07	3.0E+06	2.0E+07	15.5		YES	YES
275,040_3,10	5.66E+06	6.59E+06	5.50E+06	4.85E+06	5.25E+06	5.85E+06	5.78E+06	5.4E+05	5.6E+06	9.6	YES	YES	YES
275,120_5,36	9.25E+06	7.21E+06	4.67E+06	5.52E+06	6.73E+06	5.73E+06	4.28E+06	1.7E+06	6.2E+06	27.4			YES
276,080_1,15	2.21E+07	1.82E+07	2.15E+07	2.18E+07	2.12E+07	2.18E+07	1.95E+07	1.5E+06	2.1E+07	7.0	YES	YES	YES
276,080_3,10	1.03E+08	1.18E+08	1.22E+08	1.21E+08	1.13E+08	1.11E+08	1.24E+08	7.5E+06	1.2E+08	6.5	YES	YES	YES
277,040_1,13	3.10E+07	2.53E+07	2.48E+07	2.70E+07	2.26E+07	2.42E+07	2.06E+07	3.3E+06	2.5E+07	13.2	YES	YES	YES
277,120_3,16	2.72E+07	2.22E+07	2.57E+07	2.27E+07	2.01E+07	2.62E+07	2.37E+07	2.5E+06	2.4E+07	10.6	YES	YES	YES
277,200_8,71	7.61E+07	7.15E+07	7.21E+07	8.07E+07	8.65E+07	7.63E+07	7.79E+07	5.2E+06	7.7E+07	6.7	YES	YES	YES
277,200_9,81	1.72E+08	1.73E+08	1.67E+08	1.74E+08	1.83E+08	1.80E+08	1.84E+08	6.4E+06	1.8E+08	3.6	YES	YES	YES
277,920_1,15	5.27E+06	4.89E+06	5.96E+06	5.68E+06	3.39E+06	6.78E+06	4.56E+06	1.1E+06	5.2E+06	20.8			YES
278,160_7,48	1.10E+07	1.05E+07	1.33E+07	1.19E+07	1.08E+07	1.20E+07	1.17E+07	9.7E+05	1.2E+07	8.4	YES	YES	YES
278,160_11,15	1.28E+07	1.71E+07	1.69E+07	1.58E+07	1.44E+07	1.91E+07	9.88E+06	3.1E+06	1.5E+07	20.4			YES
278,240_8,70	1.80E+07	2.10E+07	1.73E+07	2.18E+07	2.05E+07	2.10E+07	2.43E+07	2.3E+06	2.1E+07	11.4	YES	YES	YES
278,240_9,72	3.94E+07	4.10E+07	4.19E+07	4.14E+07	4.09E+07	4.06E+07	4.00E+07	8.4E+05	4.1E+07	2.1	YES	YES	YES
279,040_1,13	1.46E+07	9.80E+06	8.97E+06	1.00E+07	1.02E+07	8.40E+06	8.33E+06	2.1E+06	1.0E+07	21.4			YES
279,040_8,11	6.44E+07	7.47E+07	7.58E+07	7.06E+07	7.49E+07	7.58E+07	7.34E+07	4.1E+06	7.3E+07	5.7	YES	YES	YES
279,200_9,73	2.60E+08	2.79E+08	2.60E+08	2.90E+08	2.84E+08	2.69E+08	3.04E+08	1.6E+07	2.8E+08	5.8	YES	YES	YES
279,200_10,94	1.82E+08	1.69E+08	1.74E+08	1.72E+08	1.68E+08	1.69E+08	1.74E+08	5.0E+06	1.7E+08	2.9	YES	YES	YES
280,080_0,97	1.11E+08	8.39E+07	1.21E+08	1.02E+08	1.07E+08	1.23E+08	1.18E+08	1.3E+07	1.1E+08	12.3	YES	YES	YES
280,320_9,72	3.19E+07	3.66E+07	3.18E+07	3.58E+07	3.34E+07	4.11E+07	3.86E+07	3.5E+06	3.6E+07	9.9	YES	YES	YES
281,040_0,97	3.14E+07	2.13E+07	2.44E+07	2.04E+07	1.94E+07	2.15E+07	2.10E+07	4.1E+06	2.3E+07	18.0		YES	YES
281,280_8,61	7.80E+07	7.04E+07	6.54E+07	6.79E+07	7.31E+07	6.66E+07	7.43E+07	4.6E+06	7.1E+07	6.4	YES	YES	YES
281,360_11,56	2.73E+08	1.48E+08	1.64E+08	1.61E+08	1.68E+08	1.75E+08	1.80E+08	4.2E+07	1.8E+08	23.0			YES
282,320_10,17	7.45E+07	5.89E+07	5.76E+07	5.83E+07	6.14E+07	6.34E+07	6.50E+07	5.9E+06	6.3E+07	9.4	YES	YES	YES
282,400_8,21	8.53E+07	9.21E+07	9.56E+07	1.01E+08	9.74E+07	1.04E+08	1.01E+08	6.4E+06	9.7E+07	6.6	YES	YES	YES
282,400_11,13	9.84E+07	8.30E+07	8.58E+07	8.10E+07	9.11E+07	9.30E+07	9.00E+07	6.1E+06	8.9E+07	6.8	YES	YES	YES
282,560_8,21	3.00E+08	2.85E+08	2.75E+08	2.82E+08	2.76E+08	2.86E+08	2.99E+08	1.0E+07	2.9E+08	3.5	YES	YES	YES
283,200_5,01	2.00E+07	1.45E+07	1.40E+07	1.38E+07	1.24E+07	1.22E+07	1.50E+07	2.6E+06	1.5E+07	17.9		YES	YES
283,360_9,19	4.35E+08	3.93E+08	3.78E+08	3.90E+08	4.09E+08	4.12E+08	4.24E+08	2.0E+07	4.1E+08	5.0	YES	YES	YES
284,240_10,63	1.34E+08	1.26E+08	1.25E+08	1.33E+08	1.34E+08	1.36E+08	1.21E+08	5.9E+06	1.3E+08	4.5	YES	YES	YES
284,400_9,62	2.74E+08	2.62E+08	2.64E+08	2.71E+08	2.61E+08	2.69E+08	2.61E+08	5.5E+06	2.7E+08	2.1	YES	YES	YES
284,400_10,08	6.44E+08	6.69E+08	6.57E+08	6.58E+08	6.67E+08	6.58E+08	6.35E+08	1.2E+07	6.6E+08	1.8	YES	YES	YES
284,480_8,41	9.38E+08	9.63E+08	9.04E+08	9.54E+08	9.66E+08	9.17E+08	9.14E+08	2.5E+07	9.4E+08	2.7	YES	YES	YES
285,040_3,53	7.88E+06	6.84E+06	1.01E+07	9.24E+06	9.99E+06	9.27E+06	7.56E+06	1.3E+06	8.7E+06	14.6	YES	YES	YES
285,360_10,03	3.05E+08	3.19E+08	3.12E+08	3.39E+08	3.26E+08	3.19E+08	3.35E+08	1.2E+07	3.2E+08	3.7	YES	YES	YES
285,520_10,82	1.25E+08	1.19E+08	1.24E+08	1.13E+08	1.22E+08	1.29E+08	1.16E+08	5.5E+06	1.2E+08	4.5	YES	YES	YES
286,320_7,93	5.93E+08	5.63E+08	5.63E+08	6.10E+08	5.88E+08	5.63E+08	5.91E+08	1.9E+07	5.8E+08	3.2	YES	YES	YES
286,480_9,86	5.93E+08	6.01E+08	5.92E+08	5.90E+08	6.01E+08	5.79E+08	5.76E+08	9.6E+06	5.9E+08	1.6	YES	YES	YES
287,200_6,74	1.36E+07	1.24E+07	1.23E+07	1.08E+07	1.09E+07	1.20E+07	1.19E+07	9.7E+05	1.2E+07	8.1	YES	YES	YES
287,360_10,05	9.04E+07	8.46E+07	8.39E+07	8.26E+07	8.76E+07	8.66E+07	8.16E+07	3.1E+06	8.5E+07	3.6	YES	YES	YES
287,440_7,93	1.19E+08	1.19E+08	1.20E+08	1.14E+08	1.15E+08	1.17E+08	1.23E+08	3.0E+06	1.2E+08	2.6	YES	YES	YES
287,440_11,38	1.92E+08	1.91E+08	1.87E+08	1.94E+08	1.94E+08	2.06E+08	1.75E+08	9.3E+06	1.9E+08	4.9	YES	YES	YES
288,400_7,65	5.56E+07	4.96E+07	5.35E+07	5.71E+07	5.20E+07	5.30E+07	5.39E+07	2.4E+06	5.4E+07	4.5	YES	YES	YES
288,960_0,74	2.90E+07	2.55E+07	2.16E+07	2.37E+07	1.98E+07	2.09E+07	1.98E+07	3.4E+06	2.3E+07	14.9	YES	YES	YES
288,960_11,82	4.06E+07	4.33E+07	4.48E+07	4.43E+07	4.88E+07	4.36E+07	3.39E+07	4.6E+06	4.3E+07	10.7	YES	YES	YES
289,040_11,03	1.75E+08	1.82E+08	1.75E+08	1.71E+08	1.86E+08	1.78E+08	1.52E+08	1.1E+07	1.7E+08	6.3	YES	YES	YES
289,120_6,00	6.99E+07	5.86E+07	5.15E+07	5.54E+07	5.20E+07	5.73E+07	5.43E+07	6.2E+06	5.7E+07	10.9	YES	YES	YES
289,120_11,04	1.22E+08	1.28E+08	1.21E+08	1.26E+08	1.40E+08	1.34E+08	1.22E+08	6.9E+06	1.3E+08	5.4	YES	YES	YES
289,280_7,65	2.84E+07	2.50E+07	2.56E+07	2.36E+07	2.66E+07	2.45E+07	2.76E+07	1.7E+06	2.6E+07	6.6	YES	YES	YES
289,280_9,11	7.43E+07	7.24E+07	6.99E+07	7.51E+07	6.83E+07	6.85E+07	7.30E+07	2.8E+06	7.2E+07	3.9	YES	YES	YES
289,920_3,00	1.07E+07	7.93E+06	1.07E+07	1.33E+07	1.29E+07	1.52E+07	1.32E+07	2.4E+06	1.2E+07	19.8		YES	YES
290,240_6,00	6.00E+06	5.88E+06	7.75E+06	5.10E+06	4.75E+06	6.00E+06	5.00E+06	1.0E+06	5.8E+06	17.5		YES	YES
290,320_7,66	8.29E+07	9.41E+07	8.23E+07	8.91E+07	8.90E+07	8.34E+07	9.41E+07	5.1E+06	8.8E+07	5.8	YES	YES	YES
291,280_11,07	1.09E+08	1.18E+08	1.14E+08	1.08E+08	1.04E+08	1.09E+08	1.04E+08	5.2E+06	1.1E+08	4.8	YES	YES	YES
291,360_7,67	1.81E+07	1.89E+07	1.75E+07	1.69E+07	1.89E+07	1.59E+07	1.63E+07	1.2E+06	1.7E+07	6.9	YES	YES	YES
291,360_9,77	2.15E+08	2.05E+08	2.15E+08	2.27E+08	2.13E+08	2.15E+08	2.13E+08	6.6E+06	2.1E+08	3.1	YES	YES	YES
292,160_1,07	2.25E+07	1.99E+07	1.83E+07	2.21E+07	1.56E+07	2.04E+07	1.62E+07	2.7E+06	1.9E+07	14.1	YES	YES	YES
292,160_3,87	1.83E+07	1.64E+07	1.82E+07	1.74E+07	1.51E+07	1.32E+07	2.06E+07	2.4E+06	1.7E+07	14.1	YES	YES	YES
292,400_9,93	5.85E+07	5.55E+07	5.61E+07	5.44E+07	6.20E+07	6.06E+07	5.56E+07	2.9E+06	5.8E+07	5.0	YES	YES	YES
292,640_11,21	2.78E+07	2.46E+07	2.38E+07	2.35E+07	2.59E+07	2.56E+07	2.29E+07	1.7E+06	2.5E+07	6.8	YES	YES	YES
293,040_9,52	2.34E+08	2.22E+08	2.15E+08	2.29E+08	2.27E+08	2.22E+08	2.30E+08	6.5E+06	2.3E+08	2.9	YES	YES	YES
293,360_11,24	1.53E+08	1.29E+08	1.30E+08	1.26E+08	1.29E+08	1.47E+08	1.21E+08	1.2E+07	1.3E+08	8.7	YES	YES	YES
294,000_1,01	6.70E+07	7.00E+07	7.33E+07	8.29E+07	6.75E+07	8.40E+07	7.62E+07	7.0E+06	7.4E+07	9.3	YES	YES	YES
294,160_3,11	1.58E+07	1.46E+07	1.52E+07	1.64E+07	1.52E+07	1.46E+07	1.58E+07	6.6E+05	1.5E+07	4.3	YES	YES	YES
294,160_4,85	6.13E+06	6.63E+06	5.45E+06	4.84E+06	6.64E+06	6.23E+06	5.46E+06	6.8E+05	5.9E+06	11.5	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
294,240_9,02	5.86E+07	5.89E+07	5.78E+07	6.66E+07	6.89E+07	6.55E+07	7.44E+07	6.2E+06	6.4E+07	9.7	YES	YES	YES
294,320_11,26	6.74E+07	5.81E+07	5.45E+07	5.45E+07	5.33E+07	6.14E+07	5.56E+07	5.0E+06	5.8E+07	8.7	YES	YES	YES
294,720_0,87	7.95E+07	5.51E+07	5.29E+07	4.94E+07	5.69E+07	5.30E+07	4.34E+07	1.1E+07	5.6E+07	20.4			YES
295,280_10,52	3.35E+08	2.93E+08	2.84E+08	2.82E+08	2.86E+08	2.83E+08	2.94E+08	1.9E+07	2.9E+08	6.4	YES	YES	YES
295,360_8,87	1.11E+08	1.13E+08	1.07E+08	1.13E+08	1.16E+08	1.15E+08	1.17E+08	3.2E+06	1.1E+08	2.9	YES	YES	YES
296,080_0,94	1.15E+07	1.00E+07	1.19E+07	6.65E+06	7.38E+06	8.55E+06	8.28E+06	2.0E+06	9.2E+06	21.9			YES
296,320_8,95	9.10E+07	1.18E+08	1.33E+08	1.65E+08	1.77E+08	1.83E+08	1.59E+08	3.4E+07	1.5E+08	23.1			YES
296,400_10,23	1.18E+08	1.08E+08	1.12E+08	1.18E+08	1.14E+08	1.21E+08	1.17E+08	4.4E+06	1.2E+08	3.8	YES	YES	YES
297,280_5,70	1.01E+07	7.75E+06	6.63E+06	6.15E+06	8.25E+06	5.63E+06	6.00E+06	1.6E+06	7.2E+06	22.1			YES
297,360_8,96	5.11E+07	4.60E+07	5.26E+07	5.53E+07	6.28E+07	6.21E+07	5.75E+07	6.0E+06	5.5E+07	10.9	YES	YES	YES
297,360_10,61	1.77E+08	1.75E+08	1.57E+08	1.52E+08	1.72E+08	1.71E+08	1.75E+08	9.7E+06	1.7E+08	5.8	YES	YES	YES
299,120_8,71	1.66E+08	1.65E+08	1.62E+08	1.76E+08	1.74E+08	1.58E+08	1.71E+08	6.4E+06	1.7E+08	3.8	YES	YES	YES
299,280_8,71	3.97E+08	3.94E+08	3.82E+08	4.09E+08	4.11E+08	3.98E+08	4.32E+08	1.6E+07	4.0E+08	4.0	YES	YES	YES
300,160_8,67	1.08E+08	1.15E+08	1.13E+08	1.09E+08	1.12E+08	1.10E+08	1.14E+08	2.8E+06	1.1E+08	2.5	YES	YES	YES
300,400_9,61	1.02E+08	1.02E+08	1.02E+08	1.10E+08	9.79E+07	1.10E+08	1.06E+08	4.4E+06	1.0E+08	4.3	YES	YES	YES
300,400_11,03	2.93E+07	3.43E+07	3.38E+07	3.16E+07	2.91E+07	3.15E+07	2.71E+07	2.6E+06	3.1E+07	8.4	YES	YES	YES
301,200_0,78	1.48E+07	1.92E+07	1.77E+07	1.53E+07	1.37E+07	1.69E+07	1.24E+07	2.4E+06	1.6E+07	15.1		YES	YES
301,280_7,38	1.24E+08	1.24E+08	1.18E+08	1.25E+08	1.29E+08	1.19E+08	1.28E+08	4.1E+06	1.2E+08	3.3	YES	YES	YES
301,280_9,71	1.01E+09	1.11E+09	1.06E+09	1.16E+09	1.13E+09	1.19E+09	1.20E+09	6.8E+07	1.1E+09	6.1	YES	YES	YES
301,360_10,94	2.13E+08	2.26E+08	2.37E+08	2.63E+08	2.45E+08	2.47E+08	2.35E+08	1.6E+07	2.4E+08	6.7	YES	YES	YES
302,320_7,44	1.65E+08	1.62E+08	1.69E+08	1.69E+08	1.74E+08	1.83E+08	1.72E+08	6.8E+06	1.7E+08	4.0	YES	YES	YES
303,120_11,51	2.27E+08	2.37E+08	2.44E+08	2.38E+08	2.42E+08	2.47E+08	2.20E+08	9.6E+06	2.4E+08	4.1	YES	YES	YES
303,200_6,60	2.75E+07	2.60E+07	2.71E+07	3.29E+07	3.11E+07	2.95E+07	2.51E+07	2.8E+06	2.8E+07	9.9	YES	YES	YES
303,280_10,04	8.32E+08	8.83E+08	8.50E+08	9.11E+08	9.14E+08	9.47E+08	9.22E+08	4.1E+07	8.9E+08	4.6	YES	YES	YES
303,360_10,05	8.88E+08	9.02E+08	8.65E+08	9.21E+08	8.92E+08	9.40E+08	9.30E+08	2.7E+07	9.1E+08	2.9	YES	YES	YES
303,360_11,50	3.78E+08	3.68E+08	3.93E+08	3.51E+08	3.53E+08	3.83E+08	3.89E+08	1.7E+07	3.7E+08	4.5	YES	YES	YES
303,440_7,46	4.44E+07	4.33E+07	4.40E+07	4.80E+07	5.11E+07	4.44E+07	4.70E+07	2.8E+06	4.6E+07	6.2	YES	YES	YES
304,080_11,00	2.02E+08	1.95E+08	2.03E+08	2.12E+08	1.95E+08	2.11E+08	2.01E+08	6.8E+06	2.0E+08	3.3	YES	YES	YES
304,320_7,80	9.41E+07	1.07E+08	9.90E+07	1.08E+08	1.01E+08	1.25E+08	1.15E+08	1.0E+07	1.1E+08	9.7	YES	YES	YES
304,320_10,06	2.53E+08	2.64E+08	2.43E+08	2.59E+08	2.58E+08	2.50E+08	2.58E+08	6.8E+06	2.5E+08	2.7	YES	YES	YES
304,960_9,87	2.54E+08	2.51E+08	2.41E+08	2.48E+08	2.47E+08	2.48E+08	2.41E+08	5.1E+06	2.5E+08	2.1	YES	YES	YES
305,040_5,01	3.30E+07	2.58E+07	2.20E+07	2.60E+07	2.75E+07	2.92E+07	2.80E+07	3.4E+06	2.7E+07	12.4	YES	YES	YES
305,280_7,78	8.49E+07	8.44E+07	7.70E+07	8.61E+07	7.84E+07	9.03E+07	8.64E+07	4.7E+06	8.4E+07	5.6	YES	YES	YES
305,440_11,36	3.43E+08	3.38E+08	3.45E+08	3.60E+08	3.19E+08	3.45E+08	2.96E+08	2.1E+07	3.4E+08	6.3	YES	YES	YES
305,920_3,12	4.00E+06	7.37E+06	7.39E+06	8.14E+06	8.44E+06	9.65E+06	9.55E+06	1.9E+06	7.8E+06	24.5			YES
306,480_11,34	1.47E+08	1.40E+08	1.45E+08	1.57E+08	1.34E+08	1.51E+08	1.32E+08	9.1E+06	1.4E+08	6.3	YES	YES	YES
306,800_8,97	1.35E+08	1.27E+08	1.28E+08	1.43E+08	1.36E+08	1.44E+08	1.35E+08	6.4E+06	1.4E+08	4.7	YES	YES	YES
307,040_3,53	6.13E+06	5.78E+06	1.12E+07	1.24E+07	1.41E+07	1.01E+07	1.09E+07	3.1E+06	1.0E+07	30.8			
307,120_9,88	4.63E+07	4.46E+07	3.94E+07	4.24E+07	3.85E+07	4.09E+07	4.04E+07	2.8E+06	4.2E+07	6.8	YES	YES	YES
307,200_11,61	1.03E+08	1.02E+08	1.03E+08	1.05E+08	1.04E+08	1.12E+08	8.68E+07	7.7E+06	1.0E+08	7.5	YES	YES	YES
308,000_2,96	5.75E+06	4.31E+06	6.42E+06	5.08E+06	7.84E+06	6.11E+06	8.61E+06	1.5E+06	6.3E+06	23.8			YES
308,960_7,94	5.11E+07	5.24E+07	5.10E+07	5.71E+07	6.05E+07	5.55E+07	5.99E+07	4.0E+06	5.5E+07	7.2	YES	YES	YES
309,120_1,07	2.30E+07	1.94E+07	2.02E+07	1.96E+07	1.61E+07	1.95E+07	1.29E+07	3.2E+06	1.9E+07	17.4		YES	YES
309,120_11,20	1.59E+08	1.70E+08	1.60E+08	1.48E+08	1.46E+08	1.45E+08	1.40E+08	1.1E+07	1.5E+08	6.9	YES	YES	YES
309,280_9,84	5.44E+08	5.87E+08	5.89E+08	5.94E+08	5.86E+08	6.33E+08	6.10E+08	2.7E+07	5.9E+08	4.5	YES	YES	YES
310,080_1,01	2.53E+07	1.84E+07	1.79E+07	2.02E+07	1.51E+07	2.14E+07	1.72E+07	3.3E+06	1.9E+07	17.0		YES	YES
310,160_3,87	4.43E+07	4.61E+07	5.13E+07	5.38E+07	4.72E+07	4.38E+07	5.73E+07	5.1E+06	4.9E+07	10.5	YES	YES	YES
310,400_8,46	3.47E+08	3.56E+08	3.29E+08	3.59E+08	3.41E+08	3.67E+08	3.71E+08	1.5E+07	3.5E+08	4.3	YES	YES	YES
310,480_10,96	8.79E+07	9.31E+07	8.43E+07	8.04E+07	9.21E+07	9.26E+07	8.21E+07	5.3E+06	8.8E+07	6.1	YES	YES	YES
311,040_0,82	2.53E+07	2.21E+07	1.64E+07	2.14E+07	2.39E+07	1.70E+07	1.44E+07	4.1E+06	2.0E+07	20.6			YES
311,120_9,96	1.20E+09	1.13E+09	1.06E+09	1.05E+09	9.99E+08	1.04E+09	9.85E+08	7.6E+07	1.1E+09	7.1	YES	YES	YES
311,200_6,24	4.73E+07	3.29E+07	1.89E+07	2.00E+07	2.00E+07	1.91E+07	1.70E+07	1.1E+07	2.5E+07	44.5			
311,280_3,98	7.20E+07	4.44E+07	3.93E+07	3.30E+07	3.31E+07	3.07E+07	3.69E+07	1.4E+07	4.1E+07	34.5			
311,280_8,67	4.71E+08	4.15E+08	3.82E+08	3.91E+08	3.88E+08	3.79E+08	3.79E+08	3.4E+07	4.0E+08	8.4	YES	YES	YES
312,320_8,78	2.65E+08	2.43E+08	2.48E+08	2.50E+08	2.44E+08	2.21E+08	2.35E+08	1.4E+07	2.4E+08	5.6	YES	YES	YES
312,400_9,89	1.70E+08	1.63E+08	1.53E+08	1.53E+08	1.43E+08	1.49E+08	1.42E+08	1.0E+07	1.5E+08	6.7	YES	YES	YES
312,960_11,38	3.60E+08	3.45E+08	3.45E+08	3.30E+08	3.08E+08	3.38E+08	3.22E+08	1.7E+07	3.4E+08	5.1	YES	YES	YES
313,200_0,76	6.79E+07	6.91E+07	5.88E+07	6.01E+07	5.92E+07	6.55E+07	4.25E+07	9.0E+06	6.0E+07	14.9	YES	YES	YES
313,280_8,82	1.68E+08	1.63E+08	1.53E+08	1.57E+08	1.54E+08	1.48E+08	1.53E+08	6.7E+06	1.6E+08	4.3	YES	YES	YES
313,360_9,94	3.69E+08	3.41E+08	3.24E+08	3.45E+08	3.21E+08	3.21E+08	3.16E+08	1.9E+07	3.3E+08	5.8	YES	YES	YES
313,360_11,39	6.98E+08	6.84E+08	6.80E+08	6.74E+08	6.46E+08	6.43E+08	6.91E+08	2.1E+07	6.7E+08	3.2	YES	YES	YES
313,440_11,41	1.16E+09	1.16E+09	1.13E+09	1.17E+09	1.11E+09	1.09E+09	1.15E+09	3.0E+07	1.1E+09	2.7	YES	YES	YES
314,800_7,91	3.48E+08	3.66E+08	3.58E+08	3.69E+08	3.75E+08	3.59E+08	3.75E+08	9.8E+06	3.6E+08	2.7	YES	YES	YES
315,360_11,22	2.89E+08	2.94E+08	2.78E+08	2.85E+08	2.75E+08	2.77E+08	2.89E+08	7.2E+06	2.8E+08	2.5	YES	YES	YES
316,320_8,21	1.10E+08	1.08E+08	1.03E+08	1.06E+08	1.13E+08	1.20E+08	1.16E+08	5.7E+06	1.1E+08	5.2	YES	YES	YES
316,960_0,95	2.15E+07	1.66E+07	1.94E+07	1.65E+07	1.50E+07	2.09E+07	1.64E+07	2.5E+06	1.8E+07	14.1	YES	YES	YES
317,120_7,09	9.83E+07	8.21E+07	8.58E+07	8.16E+07	7.79E+07	8.15E+07	8.86E+07	6.7E+06	8.5E+07	7.9	YES	YES	YES
317,200_9,72	4.90E+08	4.66E+08	4.68E+08	5.10E+08	5.15E+08	5.34E+08	5.43E+08	3.0E+07	5.0E+08	6.0	YES	YES	YES
317,280_8,70	2.23E+08	2.22E+08	2.14E+08	2.12E+08	2.21E+08	2.33E+08	2.40E+08	1.0E+07	2.2E+08	4.5	YES	YES	YES
317,280_10,93	2.78E+08	2.48E+08	2.45E+08	2.34E+08	2.43E+08	2.68E+08	2.29E+08	1.8E+07	2.5E+08	7.1	YES	YES	YES
318,160_0,92	7.13E+06	1.11E+07	1.13E+07	1.11E+07	9.38E+06	9.25E+06	1.05E+07	1.5E+06	1.0E+07	15.1		YES	YES
318,240_9,73	8.55E+07	7.78E+07	8.29E+07	8.50E+07	8.38E+07	9.30E+07	9.49E+07	5.9E+06	8.6E+07	6.9	YES	YES	YES
318,240_11,18	1.15E+08	1.03E+08	9.60E+07	9.65E+07	9.48E+07	1.05E+08	9.73E+07	7.3E+06	1.0E+08	7.3	YES	YES	YES
318,320_8,71	1.02E+08	1.04E+08	9.98E+07	1.00E+08	1.01E+08	1.01E+08	1.13E+08	4.7E+06	1.0E+08	4.6	YES	YES	YES
318,960_10,42	3.16E+08	2.80E+08	2.64E+08	2.61E+08	2.51E+08	2.61E+08	2.59E+08	2.2E+07	2.7E+08	8.2	YES	YES	YES
319,200_5,68	8.75E+06	1.25E+07	1.01E+07	1.46E+07	1.21E+07	1.31E+07	1.15E+07	1.9E+06	1.2E+07	16.4		YES	YES
319,200_9,73	1.08E+09	1.11E+09	1.01E+09	1.13E+09	1.10E+09	1.12E+09	1.18E+09	5.1E+07	1.1E+09	4.6	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
319,360_9,72	8.86E+08	9.02E+08	8.29E+08	9.20E+08	8.70E+08	9.05E+08	9.25E+08	3.3E+07	8.9E+08	3.7	YES	YES	YES
319,440_11,51	8.53E+08	6.65E+08	6.27E+08	6.49E+08	6.14E+08	6.38E+08	6.46E+08	8.2E+07	6.7E+08	12.3	YES	YES	YES
319,920_2,97	1.37E+07	1.19E+07	1.27E+07	1.23E+07	1.42E+07	1.72E+07	1.78E+07	2.4E+06	1.4E+07	16.5		YES	YES
321,280_9,92	4.01E+08	3.37E+08	3.34E+08	3.38E+08	3.39E+08	3.58E+08	3.39E+08	2.4E+07	3.5E+08	6.9	YES	YES	YES
321,280_11,21	3.64E+08	2.82E+08	2.74E+08	2.74E+08	2.78E+08	2.89E+08	2.88E+08	3.2E+07	2.9E+08	10.9	YES	YES	YES
322,320_10,73	7.38E+08	6.03E+08	5.86E+08	6.23E+08	6.18E+08	6.28E+08	6.46E+08	4.9E+07	6.3E+08	7.8	YES	YES	YES
322,880_9,52	2.02E+08	1.56E+08	1.51E+08	1.63E+08	1.67E+08	1.65E+08	1.81E+08	1.7E+07	1.7E+08	10.2	YES	YES	YES
322,960_8,38	5.03E+07	5.56E+07	4.73E+07	6.20E+07	6.46E+07	5.30E+07	5.70E+07	6.2E+06	5.6E+07	11.1	YES	YES	YES
323,440_10,02	3.43E+08	3.34E+08	3.20E+08	3.37E+08	3.60E+08	3.59E+08	3.68E+08	1.7E+07	3.5E+08	4.9	YES	YES	YES
324,320_10,97	3.69E+08	2.99E+08	3.16E+08	3.19E+08	3.11E+08	3.25E+08	3.04E+08	2.3E+07	3.2E+08	7.2	YES	YES	YES
325,040_0,99	3.20E+07	3.00E+07	2.54E+07	3.86E+07	2.83E+07	4.32E+07	3.53E+07	6.2E+06	3.3E+07	18.6		YES	YES
325,040_6,75	1.25E+07	1.28E+07	1.20E+07	1.33E+07	1.55E+07	8.88E+06	1.03E+07	2.1E+06	1.2E+07	17.5		YES	YES
325,200_10,03	6.79E+08	6.38E+08	6.29E+08	6.53E+08	6.65E+08	6.86E+08	6.55E+08	2.1E+07	6.6E+08	3.1	YES	YES	YES
325,200_11,52	1.96E+08	1.74E+08	1.88E+08	2.16E+08	2.09E+08	2.25E+08	2.12E+08	1.8E+07	2.0E+08	8.8	YES	YES	YES
325,280_10,04	9.84E+08	1.02E+09	1.01E+09	1.07E+09	1.08E+09	1.09E+09	1.07E+09	4.1E+07	1.0E+09	3.9	YES	YES	YES
325,360_11,54	4.91E+08	5.17E+08	4.97E+08	5.19E+08	5.21E+08	5.31E+08	5.13E+08	1.4E+07	5.1E+08	2.8	YES	YES	YES
326,160_3,00	1.59E+07	1.57E+07	2.48E+07	2.14E+07	2.09E+07	2.64E+07	2.54E+07	4.4E+06	2.1E+07	20.4			YES
326,160_8,34	4.68E+08	4.84E+08	4.71E+08	5.06E+08	5.05E+08	5.07E+08	5.03E+08	1.8E+07	4.9E+08	3.6	YES	YES	YES
326,400_10,25	3.95E+08	4.01E+08	3.72E+08	3.93E+08	3.87E+08	3.92E+08	3.88E+08	9.2E+06	3.9E+08	2.4	YES	YES	YES
326,480_8,34	5.40E+08	5.89E+08	5.64E+08	6.15E+08	6.23E+08	5.95E+08	5.98E+08	2.9E+07	5.9E+08	4.9	YES	YES	YES
326,560_8,34	5.01E+08	4.84E+08	4.56E+08	5.09E+08	5.06E+08	4.97E+08	4.85E+08	1.8E+07	4.9E+08	3.7	YES	YES	YES
327,040_10,77	3.68E+08	4.29E+08	3.78E+08	3.93E+08	3.82E+08	3.99E+08	3.71E+08	2.1E+07	3.9E+08	5.4	YES	YES	YES
327,120_0,76	1.03E+08	1.11E+08	8.69E+07	9.44E+07	1.03E+08	1.01E+08	7.08E+07	1.3E+07	9.5E+07	13.8	YES	YES	YES
327,120_5,36	3.54E+07	3.36E+07	2.59E+07	2.87E+07	2.79E+07	2.62E+07	3.13E+07	3.7E+06	3.0E+07	12.3	YES	YES	YES
327,200_9,82	1.10E+09	1.12E+09	1.12E+09	1.14E+09	1.18E+09	1.20E+09	1.18E+09	3.8E+07	1.1E+09	3.3	YES	YES	YES
327,360_11,36	6.82E+08	6.96E+08	6.79E+08	7.62E+08	7.03E+08	7.83E+08	6.80E+08	4.3E+07	7.1E+08	6.0	YES	YES	YES
327,520_9,77	5.19E+08	5.06E+08	5.03E+08	5.24E+08	5.19E+08	5.47E+08	5.02E+08	1.6E+07	5.2E+08	3.0	YES	YES	YES
329,040_7,32	1.88E+07	2.16E+07	1.59E+07	1.64E+07	2.00E+07	2.33E+07	2.49E+07	3.4E+06	2.0E+07	16.8		YES	YES
329,200_11,26	2.48E+08	2.43E+08	2.38E+08	2.75E+08	2.52E+08	2.89E+08	2.43E+08	1.9E+07	2.6E+08	7.5	YES	YES	YES
329,360_8,15	3.28E+07	3.69E+07	3.49E+07	3.76E+07	4.21E+07	3.76E+07	3.90E+07	3.0E+06	3.7E+07	8.0	YES	YES	YES
329,360_11,28	3.94E+08	3.66E+08	3.59E+08	4.17E+08	3.82E+08	4.29E+08	4.00E+08	2.5E+07	3.9E+08	6.5	YES	YES	YES
329,440_9,90	3.04E+08	2.96E+08	2.83E+08	2.94E+08	2.92E+08	3.14E+08	2.84E+08	1.1E+07	3.0E+08	3.7	YES	YES	YES
330,320_9,93	5.16E+08	5.12E+08	4.69E+08	4.88E+08	4.77E+08	4.79E+08	4.83E+08	1.8E+07	4.9E+08	3.7	YES	YES	YES
330,400_7,93	3.16E+08	3.42E+08	3.55E+08	3.60E+08	3.70E+08	3.67E+08	3.69E+08	1.9E+07	3.5E+08	5.5	YES	YES	YES
330,480_11,26	3.17E+08	3.16E+08	2.94E+08	2.86E+08	3.07E+08	3.39E+08	2.68E+08	2.3E+07	3.0E+08	7.7	YES	YES	YES
330,960_3,00	1.10E+07	1.10E+07	1.39E+07	1.56E+07	1.30E+07	1.70E+07	1.84E+07	2.9E+06	1.4E+07	20.1			YES
331,120_1,07	2.20E+07	1.68E+07	2.22E+07	2.39E+07	1.98E+07	1.75E+07	1.27E+07	3.9E+06	1.9E+07	20.2			YES
331,200_9,23	5.74E+08	5.67E+08	5.26E+08	5.43E+08	5.23E+08	5.16E+08	5.36E+08	2.2E+07	5.4E+08	4.1	YES	YES	YES
331,280_10,14	2.89E+08	2.96E+08	2.82E+08	2.82E+08	2.82E+08	2.77E+08	2.86E+08	6.3E+06	2.8E+08	2.2	YES	YES	YES
331,360_11,58	2.53E+08	2.75E+08	2.45E+08	2.71E+08	2.63E+08	2.98E+08	2.59E+08	1.7E+07	2.7E+08	6.5	YES	YES	YES
331,920_0,92	3.00E+07	2.62E+07	2.34E+07	2.19E+07	2.17E+07	2.45E+07	1.84E+07	3.7E+06	2.4E+07	15.6		YES	YES
332,240_9,24	8.84E+07	8.66E+07	7.33E+07	7.51E+07	7.73E+07	7.38E+07	7.60E+07	6.2E+06	7.9E+07	7.9	YES	YES	YES
332,320_10,21	2.13E+07	2.01E+07	2.30E+07	2.09E+07	1.83E+07	2.00E+07	1.99E+07	1.5E+06	2.0E+07	7.1	YES	YES	YES
332,480_11,55	2.86E+08	2.76E+08	2.48E+08	2.39E+08	2.49E+08	2.48E+08	2.27E+08	2.1E+07	2.5E+08	8.2	YES	YES	YES
332,960_7,97	1.70E+08	1.83E+08	1.69E+08	1.76E+08	1.79E+08	1.81E+08	1.78E+08	5.5E+06	1.8E+08	3.1	YES	YES	YES
333,200_6,24	2.20E+07	1.76E+07	1.78E+07	1.68E+07	1.83E+07	2.19E+07	1.45E+07	2.7E+06	1.8E+07	14.7	YES	YES	YES
333,360_8,71	1.07E+08	1.01E+08	9.20E+07	9.38E+07	1.08E+08	9.49E+07	9.74E+07	6.2E+06	9.9E+07	6.3	YES	YES	YES
333,360_10,14	3.58E+08	3.40E+08	3.08E+08	3.15E+08	3.21E+08	3.18E+08	3.28E+08	1.7E+07	3.3E+08	5.2	YES	YES	YES
334,160_11,47	6.58E+07	6.46E+07	6.41E+07	6.15E+07	6.01E+07	6.75E+07	5.51E+07	4.2E+06	6.3E+07	6.6	YES	YES	YES
334,400_10,13	1.52E+08	1.37E+08	1.22E+08	1.24E+08	1.24E+08	1.21E+08	1.18E+08	1.2E+07	1.3E+08	9.3	YES	YES	YES
335,200_9,20	2.29E+08	2.30E+08	2.06E+08	2.30E+08	2.31E+08	2.32E+08	2.34E+08	9.7E+06	2.3E+08	4.3	YES	YES	YES
335,200_11,18	1.35E+08	1.19E+08	1.16E+08	1.12E+08	1.10E+08	1.09E+08	9.91E+07	1.1E+07	1.1E+08	9.7	YES	YES	YES
335,280_11,50	4.38E+08	3.71E+08	3.23E+08	3.25E+08	3.06E+08	2.91E+08	2.69E+08	5.7E+07	3.3E+08	17.1		YES	YES
335,360_9,83	6.82E+08	6.31E+08	5.78E+08	5.95E+08	6.09E+08	5.93E+08	5.88E+08	3.6E+07	6.1E+08	5.8	YES	YES	YES
335,840_0,84	8.63E+06	1.21E+07	8.75E+06	8.63E+06	9.25E+06	9.00E+06	6.63E+06	1.6E+06	9.0E+06	18.0		YES	YES
336,240_9,07	7.89E+07	6.83E+07	7.14E+07	7.59E+07	8.06E+07	7.84E+07	7.91E+07	4.6E+06	7.6E+07	6.0	YES	YES	YES
336,240_9,83	2.14E+08	2.03E+08	1.80E+08	1.88E+08	1.89E+08	1.72E+08	1.91E+08	1.4E+07	1.9E+08	7.4	YES	YES	YES
336,640_10,82	3.82E+08	3.74E+08	3.38E+08	3.34E+08	3.31E+08	3.32E+08	3.26E+08	2.3E+07	3.5E+08	6.6	YES	YES	YES
337,040_0,78	4.89E+07	5.26E+07	4.49E+07	4.31E+07	4.20E+07	5.12E+07	4.47E+07	4.1E+06	4.7E+07	8.8	YES	YES	YES
337,200_9,27	6.61E+08	6.62E+08	6.40E+08	6.55E+08	6.82E+08	6.77E+08	6.73E+08	1.5E+07	6.6E+08	2.2	YES	YES	YES
338,080_0,94	5.13E+06	1.58E+07	1.09E+07	1.06E+07	9.88E+06	1.25E+07	1.18E+07	3.2E+06	1.1E+07	29.3			YES
338,320_9,27	2.43E+08	2.29E+08	2.26E+08	2.14E+08	2.23E+08	2.31E+08	2.32E+08	8.9E+06	2.3E+08	3.9	YES	YES	YES
338,400_11,59	1.74E+08	1.75E+08	1.62E+08	1.64E+08	1.68E+08	1.64E+08	1.63E+08	5.5E+06	1.7E+08	3.3	YES	YES	YES
339,040_0,96	9.13E+06	1.08E+07	1.09E+07	1.17E+07	8.25E+06	1.02E+07	9.46E+06	1.2E+06	1.0E+07	11.7	YES	YES	YES
339,200_10,52	3.33E+08	3.79E+08	3.70E+08	3.72E+08	3.72E+08	3.57E+08	3.67E+08	1.5E+07	3.6E+08	4.2	YES	YES	YES
339,280_9,21	1.83E+08	1.78E+08	1.69E+08	1.73E+08	1.75E+08	1.81E+08	1.83E+08	5.5E+06	1.8E+08	3.1	YES	YES	YES
339,280_9,71	4.09E+08	4.24E+08	4.04E+08	3.88E+08	4.17E+08	4.37E+08	4.25E+08	1.6E+07	4.1E+08	3.9	YES	YES	YES
340,240_9,70	1.24E+08	1.26E+08	1.22E+08	1.19E+08	1.26E+08	1.31E+08	1.41E+08	7.1E+06	1.3E+08	5.6	YES	YES	YES
340,240_11,50	1.18E+08	1.22E+08	1.25E+08	1.17E+08	1.22E+08	1.21E+08	1.13E+08	4.0E+06	1.2E+08	3.4	YES	YES	YES
340,400_8,46	3.59E+08	3.70E+08	3.19E+08	3.69E+08	3.56E+08	3.70E+08	3.60E+08	1.8E+07	3.6E+08	5.1	YES	YES	YES
340,480_11,09	6.75E+07	6.10E+07	7.11E+07	5.89E+07	6.31E+07	5.75E+07	5.84E+07	5.1E+06	6.3E+07	8.2	YES	YES	YES
341,280_9,72	1.17E+09	1.15E+09	1.03E+09	1.11E+09	1.10E+09	1.16E+09	1.12E+09	4.6E+07	1.1E+09	4.1	YES	YES	YES
341,360_10,93	6.64E+08	5.56E+08	5.39E+08	5.29E+08	5.49E+08	5.29E+08	5.31E+08	4.8E+07	5.6E+08	8.7	YES	YES	YES
342,240_6,44	8.41E+07	7.03E+07	6.14E+07	6.89E+07	5.55E+07	5.81E+07	5.57E+07	1.0E+07	6.5E+07	16.0		YES	YES
342,240_9,72	2.80E+08	2.89E+08	2.61E+08	2.73E+08	2.81E+08	2.85E+08	2.78E+08	9.2E+06	2.8E+08	3.3	YES	YES	YES
342,320_8,44	4.82E+08	4.93E+08	4.50E+08	4.66E+08	4.80E+08	4.83E+08	4.70E+08	1.4E+07	4.7E+08	3.0	YES	YES	YES
342,960_11,51	2.92E+08	2.53E+08	2.35E+08	2.48E+08	2.25E+08	2.38E+08	2.16E+08	2.5E+07	2.4E+08	10.2	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
343,360_9,88	8.73E+08	9.40E+08	8.91E+08	9.26E+08	9.54E+08	9.94E+08	9.69E+08	4.3E+07	9.4E+08	4.5	YES	YES	YES
343,360_11,52	9.66E+08	9.14E+08	8.55E+08	9.09E+08	8.23E+08	8.61E+08	8.42E+08	5.0E+07	8.8E+08	5.7	YES	YES	YES
343,440_9,20	3.13E+08	3.01E+08	2.73E+08	2.86E+08	3.05E+08	3.01E+08	3.00E+08	1.3E+07	3.0E+08	4.5	YES	YES	YES
344,480_8,43	8.10E+07	8.38E+07	8.10E+07	9.14E+07	8.59E+07	9.38E+07	8.23E+07	5.1E+06	8.6E+07	6.0	YES	YES	YES
344,480_9,95	2.62E+08	2.63E+08	2.58E+08	2.70E+08	2.64E+08	2.83E+08	2.60E+08	8.5E+06	2.7E+08	3.2	YES	YES	YES
344,960_8,63	5.81E+07	6.23E+07	5.99E+07	6.49E+07	6.21E+07	6.55E+07	6.19E+07	2.6E+06	6.2E+07	4.2	YES	YES	YES
345,040_0,90	9.88E+06	7.38E+06	1.18E+07	1.22E+07	6.13E+06	1.01E+07	9.29E+06	2.2E+06	9.5E+06	23.0			YES
345,040_11,48	4.54E+08	4.04E+08	3.97E+08	4.10E+08	3.76E+08	4.16E+08	3.91E+08	2.4E+07	4.1E+08	6.0	YES	YES	YES
345,280_9,73	1.90E+08	1.97E+08	1.71E+08	1.91E+08	1.76E+08	1.90E+08	1.82E+08	9.3E+06	1.9E+08	5.0	YES	YES	YES
345,280_11,52	7.77E+08	7.24E+08	7.07E+08	7.36E+08	6.87E+08	7.15E+08	6.92E+08	3.1E+07	7.2E+08	4.3	YES	YES	YES
346,400_7,50	3.39E+08	3.55E+08	3.62E+08	3.64E+08	3.72E+08	3.79E+08	3.63E+08	1.3E+07	3.6E+08	3.5	YES	YES	YES
346,400_8,95	1.57E+08	1.58E+08	1.68E+08	1.59E+08	1.72E+08	1.72E+08	1.66E+08	6.4E+06	1.6E+08	3.9	YES	YES	YES
347,040_0,76	2.45E+07	2.69E+07	2.13E+07	2.01E+07	2.05E+07	2.45E+07	1.50E+07	3.9E+06	2.2E+07	17.9		YES	YES
347,120_7,51	8.45E+07	8.28E+07	7.95E+07	9.11E+07	8.55E+07	8.88E+07	8.31E+07	3.9E+06	8.5E+07	4.6	YES	YES	YES
347,120_9,85	3.05E+08	3.00E+08	2.81E+08	3.09E+08	3.06E+08	2.94E+08	2.97E+08	9.6E+06	3.0E+08	3.2	YES	YES	YES
347,120_11,51	5.13E+08	5.18E+08	5.07E+08	5.19E+08	5.03E+08	5.20E+08	4.99E+08	8.2E+06	5.1E+08	1.6	YES	YES	YES
347,360_11,52	6.59E+08	6.53E+08	6.37E+08	6.42E+08	6.08E+08	6.45E+08	6.20E+08	1.8E+07	6.4E+08	2.8	YES	YES	YES
347,440_11,52	3.91E+08	3.65E+08	3.60E+08	3.72E+08	3.49E+08	3.85E+08	3.37E+08	1.9E+07	3.7E+08	5.2	YES	YES	YES
348,160_8,15	6.08E+07	6.84E+07	6.19E+07	7.23E+07	7.43E+07	7.60E+07	7.40E+07	6.2E+06	7.0E+07	8.9	YES	YES	YES
348,320_9,94	4.69E+07	4.96E+07	5.06E+07	5.59E+07	5.24E+07	5.08E+07	5.93E+07	4.1E+06	5.2E+07	7.9	YES	YES	YES
349,040_2,98	1.67E+07	1.51E+07	1.48E+07	1.56E+07	1.65E+07	2.07E+07	1.94E+07	2.2E+06	1.7E+07	13.2	YES	YES	YES
349,040_8,52	6.68E+07	7.63E+07	6.86E+07	7.66E+07	7.25E+07	7.65E+07	7.93E+07	4.6E+06	7.4E+07	6.3	YES	YES	YES
349,120_4,39	8.38E+06	7.02E+06	5.79E+06	6.24E+06	8.25E+06	5.15E+06	5.16E+06	1.4E+06	6.6E+06	20.6			YES
349,120_5,39	1.54E+07	1.56E+07	1.54E+07	1.22E+07	1.63E+07	1.73E+07	1.72E+07	1.7E+06	1.6E+07	10.9	YES	YES	YES
349,200_11,37	4.25E+08	4.32E+08	4.18E+08	4.29E+08	4.15E+08	4.43E+08	4.14E+08	1.1E+07	4.3E+08	2.5	YES	YES	YES
349,360_10,13	7.32E+08	7.36E+08	7.24E+08	7.57E+08	7.70E+08	7.79E+08	8.10E+08	3.1E+07	7.6E+08	4.1	YES	YES	YES
350,320_8,34	5.55E+07	7.95E+07	7.61E+07	9.16E+07	8.24E+07	9.23E+07	8.44E+07	1.2E+07	8.0E+07	15.5		YES	YES
350,400_10,17	2.76E+08	3.06E+08	2.93E+08	2.92E+08	3.21E+08	3.14E+08	3.46E+08	2.3E+07	3.1E+08	7.4	YES	YES	YES
351,120_8,53	1.35E+08	1.37E+08	1.51E+08	1.56E+08	1.50E+08	1.58E+08	1.70E+08	1.2E+07	1.5E+08	8.0	YES	YES	YES
351,280_11,25	7.07E+08	7.82E+08	7.75E+08	8.18E+08	8.13E+08	8.86E+08	8.74E+08	6.1E+07	8.1E+08	7.6	YES	YES	YES
351,360_9,92	4.28E+08	4.58E+08	4.39E+08	4.60E+08	4.85E+08	4.85E+08	4.96E+08	2.5E+07	4.6E+08	5.4	YES	YES	YES
352,560_10,98	4.94E+08	5.38E+08	5.26E+08	5.80E+08	5.70E+08	5.94E+08	6.03E+08	4.0E+07	5.6E+08	7.1	YES	YES	YES
352,960_8,03	6.20E+07	6.73E+07	7.59E+07	7.56E+07	7.95E+07	8.28E+07	8.00E+07	7.5E+06	7.5E+07	10.0	YES	YES	YES
353,040_9,95	1.37E+08	1.49E+08	1.43E+08	1.56E+08	1.53E+08	1.54E+08	1.53E+08	7.1E+06	1.5E+08	4.8	YES	YES	YES
353,120_0,84	2.14E+07	1.66E+07	1.21E+07	1.06E+07	1.49E+07	1.03E+07	7.52E+06	4.7E+06	1.3E+07	34.9			
353,360_8,77	1.49E+08	1.54E+08	1.62E+08	1.69E+08	1.77E+08	1.73E+08	1.78E+08	1.1E+07	1.7E+08	6.9	YES	YES	YES
354,240_9,13	7.63E+07	7.83E+07	7.45E+07	7.96E+07	7.68E+07	7.55E+07	7.71E+07	1.7E+06	7.7E+07	2.2	YES	YES	YES
354,320_11,58	3.72E+08	2.41E+08	2.51E+08	2.79E+08	2.82E+08	2.85E+08	3.34E+08	4.6E+07	2.9E+08	15.9		YES	YES
355,280_8,70	2.19E+08	2.54E+08	2.38E+08	2.75E+08	2.55E+08	2.66E+08	2.75E+08	2.1E+07	2.5E+08	8.1	YES	YES	YES
355,360_9,27	8.42E+08	8.11E+08	7.44E+08	8.41E+08	8.17E+08	7.87E+08	8.69E+08	4.1E+07	8.2E+08	5.1	YES	YES	YES
355,440_8,32	2.55E+07	3.39E+07	2.61E+07	3.44E+07	2.99E+07	3.24E+07	3.35E+07	3.7E+06	3.1E+07	12.1	YES	YES	YES
356,080_10,09	3.41E+08	1.99E+08	2.02E+08	2.08E+08	2.23E+08	2.35E+08	2.34E+08	4.9E+07	2.3E+08	21.0			YES
356,240_6,85	1.88E+07	1.39E+07	2.01E+07	1.68E+07	1.73E+07	1.68E+07	1.55E+07	2.0E+06	1.7E+07	12.0	YES	YES	YES
356,320_9,27	3.33E+08	3.02E+08	2.82E+08	2.99E+08	3.07E+08	2.93E+08	3.30E+08	1.9E+07	3.1E+08	6.1	YES	YES	YES
356,640_9,28	3.57E+08	3.59E+08	3.30E+08	3.80E+08	3.82E+08	3.75E+08	3.75E+08	1.8E+07	3.7E+08	5.0	YES	YES	YES
356,720_11,46	1.25E+08	9.45E+07	9.29E+07	9.79E+07	9.81E+07	1.05E+08	1.11E+08	1.1E+07	1.0E+08	11.0	YES	YES	YES
357,200_9,74	5.43E+08	5.12E+08	4.64E+08	4.80E+08	5.12E+08	5.25E+08	5.21E+08	2.7E+07	5.1E+08	5.4	YES	YES	YES
357,280_8,72	1.26E+08	1.34E+08	1.39E+08	1.51E+08	1.61E+08	1.59E+08	1.54E+08	1.4E+07	1.5E+08	9.3	YES	YES	YES
358,480_8,36	2.62E+08	2.94E+08	2.67E+08	2.99E+08	3.04E+08	2.96E+08	3.06E+08	1.8E+07	2.9E+08	6.2	YES	YES	YES
359,040_9,18	5.37E+08	5.16E+08	4.88E+08	5.05E+08	5.13E+08	5.44E+08	5.19E+08	1.9E+07	5.2E+08	3.6	YES	YES	YES
359,200_0,93	1.49E+07	2.85E+07	2.76E+07	1.56E+07	2.21E+07	2.47E+07	2.65E+07	5.6E+06	2.3E+07	24.6			YES
359,280_11,38	2.18E+08	2.04E+08	1.92E+08	2.00E+08	2.05E+08	2.01E+08	1.98E+08	8.0E+06	2.0E+08	4.0	YES	YES	YES
359,360_11,40	4.10E+08	3.97E+08	3.68E+08	3.71E+08	3.65E+08	3.76E+08	3.63E+08	1.8E+07	3.8E+08	4.8	YES	YES	YES
359,440_8,39	1.73E+08	1.91E+08	1.73E+08	2.01E+08	2.01E+08	2.09E+08	2.14E+08	1.6E+07	1.9E+08	8.4	YES	YES	YES
360,240_0,99	5.50E+06	8.13E+06	8.50E+06	6.36E+06	5.00E+06	2.82E+07	7.03E+06	8.2E+06	9.8E+06	83.7			
360,480_11,84	2.38E+08	2.26E+08	2.14E+08	2.20E+08	2.30E+08	2.37E+08	2.15E+08	9.9E+06	2.3E+08	4.4	YES	YES	YES
360,960_8,52	5.88E+08	6.22E+08	5.61E+08	6.21E+08	6.18E+08	6.67E+08	6.28E+08	3.3E+07	6.2E+08	5.4	YES	YES	YES
361,040_0,97	9.25E+06	9.13E+06	1.28E+07	7.21E+06	7.88E+06	1.06E+07	1.12E+07	2.0E+06	9.7E+06	20.1			YES
361,200_7,23	2.36E+07	2.46E+07	2.59E+07	2.18E+07	2.66E+07	2.49E+07	2.58E+07	1.6E+06	2.5E+07	6.6	YES	YES	YES
361,280_11,24	6.70E+07	5.58E+07	5.65E+07	6.19E+07	6.21E+07	6.70E+07	4.88E+07	6.6E+06	6.0E+07	11.1	YES	YES	YES
362,320_10,11	4.20E+07	4.48E+07	3.60E+07	4.30E+07	4.30E+07	4.09E+07	3.81E+07	3.1E+06	4.1E+07	7.4	YES	YES	YES
362,320_11,86	8.56E+07	8.54E+07	9.25E+07	8.53E+07	8.79E+07	9.43E+07	8.05E+07	4.7E+06	8.7E+07	5.4	YES	YES	YES
363,040_0,76	7.03E+08	7.10E+08	5.81E+08	6.25E+08	6.27E+08	5.84E+08	4.44E+08	9.0E+07	6.1E+08	14.7	YES	YES	YES
363,200_9,54	2.29E+08	2.47E+08	2.15E+08	2.50E+08	2.40E+08	2.40E+08	2.25E+08	1.3E+07	2.3E+08	5.4	YES	YES	YES
363,520_11,06	2.47E+08	2.58E+08	2.40E+08	2.59E+08	2.35E+08	2.56E+08	2.11E+08	1.7E+07	2.4E+08	7.0	YES	YES	YES
364,080_0,84	5.19E+07	4.93E+07	3.51E+07	4.09E+07	4.48E+07	3.88E+07	2.74E+07	8.4E+06	4.1E+07	20.4			YES
364,320_11,10	3.06E+07	2.83E+07	2.68E+07	2.46E+07	2.95E+07	2.65E+07	2.34E+07	2.6E+06	2.7E+07	9.5	YES	YES	YES
365,040_1,09	1.77E+08	1.60E+08	1.69E+08	1.63E+08	1.41E+08	1.78E+08	1.25E+08	2.0E+07	1.6E+08	12.3	YES	YES	YES
365,360_9,13	8.45E+08	9.09E+08	8.42E+08	9.37E+08	9.52E+08	9.50E+08	9.53E+08	5.0E+07	9.1E+08	5.4	YES	YES	YES
365,360_9,77	3.03E+08	3.38E+08	3.05E+08	3.30E+08	3.34E+08	3.34E+08	3.50E+08	1.7E+07	3.3E+08	5.3	YES	YES	YES
365,360_10,85	4.85E+07	5.26E+07	5.15E+07	5.23E+07	5.28E+07	4.90E+07	4.66E+07	2.4E+06	5.0E+07	4.8	YES	YES	YES
366,000_1,09	3.23E+07	2.34E+07	2.25E+07	2.65E+07	2.22E+07	2.73E+07	2.07E+07	4.0E+06	2.5E+07	16.0		YES	YES
366,240_9,78	7.58E+07	7.55E+07	7.63E+07	7.23E+07	7.38E+07	7.91E+07	7.14E+07	2.6E+06	7.5E+07	3.5	YES	YES	YES
366,320_9,16	2.29E+08	2.41E+08	2.24E+08	2.58E+08	2.53E+08	2.63E+08	2.51E+08	1.5E+07	2.5E+08	6.0	YES	YES	YES
366,400_10,85	3.36E+07	3.30E+07	3.29E+07	4.01E+07	3.33E+07	3.70E+07	3.40E+07	2.7E+06	3.5E+07	7.8	YES	YES	YES
366,880_1,03	3.36E+07	2.60E+07	2.46E+07	2.52E+07	1.98E+07	2.51E+07	2.18E+07	4.3E+06	2.5E+07	17.2		YES	YES
366,880_8,42	6.85E+07	8.63E+07	6.88E+07	8.71E+07	8.81E+07	9.69E+07	7.98E+07	1.1E+07	8.2E+07	12.8	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
366,960_9,81	2.79E+08	2.79E+08	2.65E+08	2.79E+08	2.82E+08	3.14E+08	2.95E+08	1.6E+07	2.8E+08	5.5	YES	YES	YES
367,280_9,80	8.33E+08	9.12E+08	8.66E+08	9.38E+08	9.65E+08	1.02E+09	9.71E+08	6.5E+07	9.3E+08	7.0	YES	YES	YES
367,360_11,37	5.66E+08	5.61E+08	5.24E+08	5.36E+08	5.26E+08	5.64E+08	5.25E+08	2.0E+07	5.4E+08	3.6	YES	YES	YES
368,240_9,08	3.44E+07	3.01E+07	3.14E+07	3.45E+07	2.76E+07	3.40E+07	3.34E+07	2.6E+06	3.2E+07	8.1	YES	YES	YES
368,240_10,79	3.84E+07	3.61E+07	4.35E+07	4.13E+07	3.64E+07	3.93E+07	3.69E+07	2.7E+06	3.9E+07	7.1	YES	YES	YES
368,320_11,36	1.81E+08	1.55E+08	1.53E+08	1.64E+08	1.59E+08	1.73E+08	1.55E+08	1.0E+07	1.6E+08	6.4	YES	YES	YES
368,400_9,80	1.65E+08	1.81E+08	1.80E+08	1.87E+08	1.92E+08	2.01E+08	1.97E+08	1.2E+07	1.9E+08	6.6	YES	YES	YES
369,280_9,93	8.90E+08	8.02E+08	7.21E+08	7.78E+08	7.48E+08	7.38E+08	1.61E+09	3.2E+08	9.0E+08	35.5			
369,360_11,36	6.96E+08	5.76E+08	5.36E+08	5.60E+08	5.49E+08	5.39E+08	5.54E+08	5.6E+07	5.7E+08	9.7	YES	YES	YES
370,240_9,93	3.35E+08	2.83E+08	2.84E+08	2.75E+08	2.67E+08	2.84E+08	3.38E+08	2.9E+07	3.0E+08	9.8	YES	YES	YES
370,320_8,90	7.06E+07	6.74E+07	5.93E+07	6.69E+07	6.13E+07	5.86E+07	1.74E+08	4.2E+07	8.0E+07	52.6			
370,320_11,38	3.02E+08	2.27E+08	2.21E+08	2.34E+08	2.29E+08	2.25E+08	2.22E+08	2.9E+07	2.4E+08	12.1	YES	YES	YES
370,400_9,93	4.16E+08	3.62E+08	3.68E+08	3.86E+08	3.67E+08	3.96E+08	4.49E+08	3.2E+07	3.9E+08	8.0	YES	YES	YES
371,280_5,64	2.15E+07	1.88E+07	2.01E+07	1.92E+07	1.78E+07	1.69E+07	2.10E+07	1.7E+06	1.9E+07	8.7	YES	YES	YES
371,280_11,36	7.77E+08	6.86E+08	6.50E+08	6.91E+08	6.63E+08	6.92E+08	7.06E+08	4.1E+07	7.0E+08	5.9	YES	YES	YES
371,360_8,76	8.93E+07	8.96E+07	9.39E+07	9.84E+07	9.86E+07	9.45E+07	1.19E+08	1.0E+07	9.8E+07	10.3	YES	YES	YES
371,920_11,21	1.23E+08	1.09E+08	1.02E+08	1.01E+08	1.09E+08	1.07E+08	1.05E+08	7.3E+06	1.1E+08	6.7	YES	YES	YES
372,400_10,22	6.83E+07	6.48E+07	6.54E+07	7.46E+07	6.59E+07	7.19E+07	7.11E+07	3.8E+06	6.9E+07	5.5	YES	YES	YES
373,120_8,76	7.70E+07	9.38E+07	8.89E+07	9.56E+07	9.54E+07	8.86E+07	1.07E+08	9.0E+06	9.2E+07	9.8	YES	YES	YES
373,280_11,25	2.62E+08	2.58E+08	2.63E+08	2.59E+08	2.49E+08	2.67E+08	2.59E+08	5.7E+06	2.6E+08	2.2	YES	YES	YES
373,360_9,27	8.47E+08	9.01E+08	8.85E+08	9.64E+08	9.73E+08	9.43E+08	1.06E+09	7.1E+07	9.4E+08	7.6	YES	YES	YES
374,320_10,44	4.29E+08	4.38E+08	4.33E+08	4.46E+08	4.43E+08	4.32E+08	4.26E+08	7.2E+06	4.4E+08	1.7	YES	YES	YES
374,400_9,30	4.12E+08	4.27E+08	4.01E+08	4.23E+08	4.35E+08	4.18E+08	4.55E+08	1.7E+07	4.2E+08	4.0	YES	YES	YES
374,480_7,93	4.33E+08	4.99E+08	4.91E+08	5.15E+08	5.11E+08	5.28E+08	5.27E+08	3.3E+07	5.0E+08	6.5	YES	YES	YES
374,480_10,41	4.37E+08	4.36E+08	4.40E+08	4.43E+08	4.49E+08	4.44E+08	4.42E+08	4.3E+06	4.4E+08	1.0	YES	YES	YES
374,560_9,27	9.52E+08	9.80E+08	9.49E+08	9.95E+08	1.01E+09	1.01E+09	1.02E+09	2.8E+07	9.9E+08	2.8	YES	YES	YES
374,640_7,97	2.88E+08	3.23E+08	3.23E+08	3.50E+08	3.52E+08	3.52E+08	3.67E+08	2.7E+07	3.4E+08	7.9	YES	YES	YES
376,160_8,87	1.67E+08	1.64E+08	1.61E+08	1.68E+08	1.60E+08	1.59E+08	1.86E+08	9.2E+06	1.7E+08	5.6	YES	YES	YES
377,120_5,84	2.31E+07	2.33E+07	2.25E+07	2.43E+07	2.21E+07	2.46E+07	2.56E+07	1.2E+06	2.4E+07	5.3	YES	YES	YES
377,120_10,88	1.50E+08	1.55E+08	1.57E+08	1.54E+08	1.66E+08	1.63E+08	1.55E+08	5.5E+06	1.6E+08	3.5	YES	YES	YES
377,280_10,88	1.11E+08	1.19E+08	1.20E+08	1.12E+08	1.24E+08	1.24E+08	1.13E+08	5.5E+06	1.2E+08	4.7	YES	YES	YES
377,920_8,44	2.86E+07	3.68E+07	2.96E+07	4.00E+07	4.31E+07	3.50E+07	3.79E+07	5.3E+06	3.6E+07	14.7	YES	YES	YES
378,560_10,89	6.20E+07	5.91E+07	6.31E+07	5.89E+07	6.05E+07	7.04E+07	5.33E+07	5.2E+06	6.1E+07	8.5	YES	YES	YES
378,880_0,84	1.17E+08	1.13E+08	9.96E+07	1.06E+08	1.06E+08	9.01E+07	7.83E+07	1.4E+07	1.0E+08	13.3	YES	YES	YES
379,200_8,45	1.14E+07	1.53E+07	1.08E+07	1.64E+07	1.36E+07	1.54E+07	1.50E+07	2.1E+06	1.4E+07	15.4		YES	YES
379,280_8,72	5.23E+07	5.68E+07	5.38E+07	6.01E+07	5.95E+07	5.71E+07	6.03E+07	3.2E+06	5.7E+07	5.5	YES	YES	YES
379,440_11,52	2.41E+08	2.83E+08	2.85E+08	3.06E+08	2.96E+08	3.10E+08	2.96E+08	2.3E+07	2.9E+08	8.1	YES	YES	YES
379,920_8,50	4.04E+07	4.26E+07	4.08E+07	4.58E+07	4.38E+07	4.00E+07	4.70E+07	2.7E+06	4.3E+07	6.4	YES	YES	YES
380,080_10,11	1.64E+08	1.64E+08	1.71E+08	1.78E+08	1.63E+08	1.68E+08	1.75E+08	5.8E+06	1.7E+08	3.4	YES	YES	YES
380,400_10,11	9.40E+07	9.86E+07	9.71E+07	1.10E+08	1.06E+08	9.91E+07	9.21E+07	6.2E+06	9.9E+07	6.3	YES	YES	YES
380,400_11,52	1.15E+08	1.36E+08	1.32E+08	1.27E+08	1.19E+08	1.31E+08	1.29E+08	7.6E+06	1.3E+08	6.0	YES	YES	YES
380,560_11,52	1.60E+08	1.63E+08	1.56E+08	1.62E+08	1.51E+08	1.73E+08	1.51E+08	7.7E+06	1.6E+08	4.8	YES	YES	YES
381,120_0,93	4.49E+07	3.85E+07	3.17E+07	3.36E+07	3.55E+07	2.87E+07	2.00E+07	7.8E+06	3.3E+07	23.5			YES
381,120_8,90	3.20E+08	3.22E+08	3.19E+08	3.48E+08	3.44E+08	3.48E+08	3.53E+08	1.5E+07	3.4E+08	4.6	YES	YES	YES
381,200_10,19	1.78E+08	1.65E+08	1.60E+08	1.68E+08	1.59E+08	1.72E+08	1.76E+08	7.3E+06	1.7E+08	4.3	YES	YES	YES
383,120_0,99	7.84E+07	6.98E+07	6.06E+07	8.28E+07	5.74E+07	7.64E+07	8.40E+07	1.1E+07	7.3E+07	14.5	YES	YES	YES
383,120_9,79	1.56E+08	1.49E+08	1.35E+08	1.36E+08	1.47E+08	1.53E+08	1.45E+08	8.1E+06	1.5E+08	5.6	YES	YES	YES
383,280_8,98	6.01E+08	6.44E+08	5.92E+08	6.65E+08	6.83E+08	6.92E+08	6.69E+08	3.9E+07	6.5E+08	6.1	YES	YES	YES
383,360_11,27	2.09E+08	2.52E+08	1.87E+08	1.92E+08	1.92E+08	1.84E+08	1.57E+08	2.9E+07	2.0E+08	14.9	YES	YES	YES
384,160_1,01	1.48E+07	8.25E+06	1.03E+07	1.27E+07	8.35E+06	1.13E+07	1.08E+07	2.3E+06	1.1E+07	21.2			YES
384,480_11,23	4.33E+07	5.13E+07	4.18E+07	4.05E+07	4.20E+07	4.96E+07	3.06E+07	6.8E+06	4.3E+07	15.8		YES	YES
385,200_9,05	3.77E+08	3.83E+08	3.47E+08	3.79E+08	3.81E+08	3.95E+08	3.92E+08	1.5E+07	3.8E+08	4.1	YES	YES	YES
385,440_9,05	1.78E+08	1.86E+08	1.71E+08	1.90E+08	2.01E+08	1.94E+08	1.99E+08	1.1E+07	1.9E+08	5.9	YES	YES	YES
385,520_11,09	3.16E+08	3.29E+08	3.23E+08	3.09E+08	3.10E+08	3.22E+08	2.91E+08	1.3E+07	3.1E+08	4.0	YES	YES	YES
386,240_11,10	3.65E+07	4.71E+07	4.38E+07	4.19E+07	4.61E+07	3.88E+07	3.14E+07	5.6E+06	4.1E+07	13.8	YES	YES	YES
387,200_11,19	3.51E+07	3.65E+07	3.88E+07	3.64E+07	4.28E+07	4.08E+07	3.01E+07	4.1E+06	3.7E+07	11.0	YES	YES	YES
387,360_7,78	1.25E+07	1.14E+07	1.46E+07	1.31E+07	1.48E+07	1.41E+07	1.28E+07	1.2E+06	1.3E+07	9.3	YES	YES	YES
387,440_8,73	1.13E+08	1.22E+08	1.15E+08	1.25E+08	1.31E+08	1.26E+08	1.35E+08	7.8E+06	1.2E+08	6.3	YES	YES	YES
388,480_8,91	1.68E+08	1.57E+08	1.48E+08	1.53E+08	1.59E+08	1.52E+08	1.49E+08	6.9E+06	1.6E+08	4.5	YES	YES	YES
389,040_11,12	3.69E+07	4.24E+07	3.73E+07	3.51E+07	3.23E+07	3.81E+07	3.50E+07	3.2E+06	3.7E+07	8.6	YES	YES	YES
389,200_9,81	1.45E+08	1.54E+08	1.52E+08	1.44E+08	1.53E+08	1.49E+08	1.52E+08	3.9E+06	1.5E+08	2.6	YES	YES	YES
389,280_8,76	4.24E+08	3.80E+08	3.74E+08	4.12E+08	4.19E+08	4.15E+08	4.19E+08	2.0E+07	4.1E+08	4.9	YES	YES	YES
389,280_11,24	1.47E+08	1.32E+08	1.13E+08	1.16E+08	1.14E+08	1.14E+08	1.05E+08	1.4E+07	1.2E+08	11.9	YES	YES	YES
389,360_7,93	1.17E+08	1.10E+08	1.10E+08	1.23E+08	1.23E+08	1.21E+08	1.18E+08	5.7E+06	1.2E+08	4.8	YES	YES	YES
389,440_8,76	1.40E+08	1.30E+08	1.38E+08	1.47E+08	1.56E+08	1.42E+08	1.55E+08	9.3E+06	1.4E+08	6.5	YES	YES	YES
390,480_7,54	1.08E+08	1.19E+08	1.21E+08	1.23E+08	1.18E+08	1.22E+08	1.41E+08	9.8E+06	1.2E+08	8.0	YES	YES	YES
390,560_9,34	1.88E+08	1.90E+08	1.82E+08	1.82E+08	1.92E+08	1.97E+08	1.91E+08	5.3E+06	1.9E+08	2.8	YES	YES	YES
391,120_11,30	2.70E+08	2.65E+08	2.46E+08	2.51E+08	2.52E+08	2.45E+08	2.44E+08	1.0E+07	2.5E+08	4.0	YES	YES	YES
391,200_11,28	3.99E+08	4.03E+08	3.78E+08	3.83E+08	3.75E+08	3.84E+08	3.62E+08	1.4E+07	3.8E+08	3.7	YES	YES	YES
391,360_7,54	9.84E+07	9.65E+07	1.15E+08	1.04E+08	1.01E+08	1.15E+08	1.18E+08	8.8E+06	1.1E+08	8.3	YES	YES	YES
391,360_9,27	3.16E+08	3.18E+08	3.11E+08	3.42E+08	3.44E+08	3.35E+08	3.43E+08	1.4E+07	3.3E+08	4.3	YES	YES	YES
392,320_9,25	1.62E+08	1.60E+08	1.56E+08	1.61E+08	1.71E+08	1.60E+08	1.71E+08	5.7E+06	1.6E+08	3.5	YES	YES	YES
392,400_11,28	7.69E+07	7.91E+07	7.30E+07	7.63E+07	6.98E+07	7.78E+07	6.80E+07	4.2E+06	7.4E+07	5.7	YES	YES	YES
393,200_5,63	9.25E+06	9.75E+06	1.24E+07	9.81E+06	7.25E+06	9.75E+06	8.96E+06	1.5E+06	9.6E+06	15.8		YES	YES
393,200_11,28	1.19E+08	1.11E+08	1.11E+08	1.18E+08	1.15E+08	1.21E+08	1.12E+08	4.2E+06	1.2E+08	3.7	YES	YES	YES
393,360_8,63	6.26E+07	6.91E+07	6.05E+07	7.16E+07	7.11E+07	7.25E+07	6.84E+07	4.6E+06	6.8E+07	6.8	YES	YES	YES
393,360_9,47	2.61E+08	2.75E+08	2.73E+08	2.81E+08	2.74E+08	2.92E+08	2.79E+08	9.1E+06	2.8E+08	3.3	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
394,080_3,00	6.87E+06	9.21E+06	1.04E+07	1.20E+07	1.16E+07	1.68E+07	1.47E+07	3.3E+06	1.2E+07	28.5			YES
394,080_11,28	4.53E+07	4.40E+07	4.46E+07	5.15E+07	4.55E+07	4.65E+07	4.36E+07	2.7E+06	4.6E+07	5.8	YES	YES	YES
394,480_9,94	1.52E+08	1.58E+08	1.57E+08	1.62E+08	1.60E+08	1.69E+08	1.61E+08	5.3E+06	1.6E+08	3.3	YES	YES	YES
395,040_0,86	2.26E+07	2.19E+07	1.89E+07	2.05E+07	1.90E+07	1.48E+07	1.40E+07	3.3E+06	1.9E+07	17.7		YES	YES
395,360_9,93	1.17E+08	1.28E+08	1.26E+08	1.28E+08	1.30E+08	1.32E+08	1.26E+08	4.7E+06	1.3E+08	3.7	YES	YES	YES
395,360_11,28	1.73E+08	1.79E+08	1.80E+08	1.71E+08	1.64E+08	1.82E+08	1.65E+08	7.2E+06	1.7E+08	4.2	YES	YES	YES
396,320_11,22	4.15E+07	3.66E+07	4.13E+07	3.63E+07	4.51E+07	4.03E+07	3.50E+07	3.6E+06	3.9E+07	9.2	YES	YES	YES
397,280_11,58	1.17E+08	1.28E+08	1.21E+08	1.21E+08	1.13E+08	1.19E+08	1.08E+08	6.4E+06	1.2E+08	5.4	YES	YES	YES
397,360_9,31	1.60E+08	1.74E+08	1.74E+08	2.02E+08	2.16E+08	2.25E+08	2.26E+08	2.7E+07	2.0E+08	13.8	YES	YES	YES
399,040_8,67	1.27E+08	1.40E+08	1.22E+08	1.34E+08	1.40E+08	1.33E+08	1.35E+08	6.6E+06	1.3E+08	5.0	YES	YES	YES
399,280_8,85	2.19E+08	2.57E+08	2.50E+08	2.64E+08	2.72E+08	2.75E+08	2.78E+08	2.1E+07	2.6E+08	7.9	YES	YES	YES
399,360_10,87	8.28E+07	7.89E+07	7.58E+07	7.54E+07	8.11E+07	7.51E+07	7.23E+07	3.7E+06	7.7E+07	4.8	YES	YES	YES
400,480_8,77	2.75E+08	3.09E+08	2.98E+08	3.44E+08	3.46E+08	3.36E+08	3.48E+08	2.8E+07	3.2E+08	8.8	YES	YES	YES
401,280_10,83	4.91E+07	5.29E+07	4.94E+07	4.28E+07	4.48E+07	4.73E+07	3.79E+07	5.0E+06	4.6E+07	10.7	YES	YES	YES
401,360_9,92	1.63E+08	1.62E+08	1.56E+08	1.62E+08	1.46E+08	1.52E+08	1.44E+08	7.9E+06	1.5E+08	5.1	YES	YES	YES
402,320_10,11	2.09E+08	2.21E+08	2.06E+08	2.01E+08	2.03E+08	2.04E+08	1.99E+08	7.3E+06	2.1E+08	3.5	YES	YES	YES
402,480_8,37	3.03E+08	3.27E+08	2.93E+08	3.38E+08	3.45E+08	3.19E+08	3.24E+08	1.8E+07	3.2E+08	5.7	YES	YES	YES
402,560_10,97	1.49E+08	1.41E+08	1.41E+08	1.42E+08	1.37E+08	1.41E+08	1.31E+08	5.5E+06	1.4E+08	4.0	YES	YES	YES
403,280_8,37	1.21E+08	1.41E+08	1.22E+08	1.35E+08	1.44E+08	1.31E+08	1.43E+08	9.6E+06	1.3E+08	7.1	YES	YES	YES
403,280_10,53	2.83E+08	3.00E+08	2.69E+08	2.62E+08	2.58E+08	2.57E+08	2.52E+08	1.7E+07	2.7E+08	6.4	YES	YES	YES
404,560_10,49	8.19E+07	7.39E+07	8.14E+07	7.76E+07	7.01E+07	7.64E+07	7.19E+07	4.5E+06	7.6E+07	5.9	YES	YES	YES
405,120_9,05	7.45E+07	8.64E+07	7.91E+07	8.30E+07	8.64E+07	8.60E+07	9.09E+07	5.4E+06	8.4E+07	6.5	YES	YES	YES
405,280_9,01	1.24E+08	1.34E+08	1.34E+08	1.41E+08	1.39E+08	1.50E+08	1.62E+08	1.2E+07	1.4E+08	8.7	YES	YES	YES
405,440_10,21	2.73E+08	2.87E+08	2.92E+08	2.95E+08	3.03E+08	3.05E+08	3.41E+08	2.1E+07	3.0E+08	7.0	YES	YES	YES
405,600_11,77	1.19E+08	1.21E+08	1.10E+08	1.06E+08	1.07E+08	1.02E+08	1.00E+08	8.0E+06	1.1E+08	7.3	YES	YES	YES
405,680_11,16	3.20E+07	2.84E+07	2.54E+07	2.66E+07	2.33E+07	2.44E+07	2.71E+07	2.9E+06	2.7E+07	10.8	YES	YES	YES
406,400_11,59	1.16E+08	1.18E+08	1.13E+08	1.03E+08	1.14E+08	1.19E+08	9.29E+07	9.5E+06	1.1E+08	8.6	YES	YES	YES
406,400_11,67	1.33E+08	1.53E+08	1.28E+08	1.40E+08	1.38E+08	1.38E+08	1.28E+08	8.6E+06	1.4E+08	6.3	YES	YES	YES
407,360_8,82	9.18E+07	1.19E+08	1.25E+08	1.36E+08	1.49E+08	1.50E+08	1.58E+08	2.3E+07	1.3E+08	17.3		YES	YES
408,560_11,64	7.66E+07	8.54E+07	9.01E+07	9.10E+07	9.53E+07	8.56E+07	8.04E+07	6.4E+06	8.6E+07	7.4	YES	YES	YES
408,880_0,74	1.71E+07	1.11E+07	1.39E+07	1.56E+07	1.43E+07	1.05E+07	1.42E+07	2.3E+06	1.4E+07	16.9		YES	YES
408,960_4,23	2.50E+06	6.08E+06	6.19E+06	4.70E+06	6.02E+06	3.67E+06	4.29E+06	1.4E+06	4.8E+06	29.5			YES
409,200_8,43	8.61E+07	1.02E+08	1.01E+08	1.16E+08	1.14E+08	1.06E+08	1.16E+08	1.1E+07	1.1E+08	10.2	YES	YES	YES
409,200_9,74	1.17E+08	1.44E+08	1.21E+08	1.39E+08	1.43E+08	1.41E+08	1.43E+08	1.1E+07	1.4E+08	8.4	YES	YES	YES
409,280_10,94	3.46E+07	3.89E+07	4.05E+07	3.48E+07	3.56E+07	4.11E+07	3.66E+07	2.7E+06	3.7E+07	7.2	YES	YES	YES
410,960_8,42	1.29E+08	1.34E+08	1.10E+08	1.39E+08	1.43E+08	1.35E+08	1.25E+08	1.1E+07	1.3E+08	8.5	YES	YES	YES
411,200_9,71	2.88E+07	3.11E+07	2.83E+07	2.81E+07	3.93E+07	3.41E+07	3.94E+07	5.0E+06	3.3E+07	15.2		YES	YES
411,360_8,46	1.28E+07	1.65E+07	9.75E+06	1.69E+07	1.39E+07	1.71E+07	1.14E+07	2.9E+06	1.4E+07	20.7			YES
411,360_11,52	1.83E+08	1.92E+08	1.77E+08	1.81E+08	1.72E+08	1.77E+08	1.80E+08	6.2E+06	1.8E+08	3.5	YES	YES	YES
412,320_11,51	5.51E+07	5.54E+07	5.04E+07	4.70E+07	5.23E+07	5.06E+07	4.90E+07	3.1E+06	5.1E+07	6.0	YES	YES	YES
412,400_8,89	1.04E+08	1.04E+08	1.01E+08	1.13E+08	1.12E+08	1.09E+08	1.02E+08	4.6E+06	1.1E+08	4.3	YES	YES	YES
412,720_10,35	6.06E+08	4.73E+08	4.15E+08	3.96E+08	3.67E+08	3.56E+08	3.43E+08	9.2E+07	4.2E+08	21.8			YES
413,360_8,91	1.57E+08	1.48E+08	1.36E+08	1.59E+08	1.51E+08	1.51E+08	1.52E+08	7.5E+06	1.5E+08	5.0	YES	YES	YES
414,240_11,55	2.05E+08	1.64E+08	1.39E+08	1.31E+08	1.15E+08	1.28E+08	1.21E+08	3.1E+07	1.4E+08	21.9			YES
415,040_0,84	3.10E+07	3.34E+07	2.58E+07	2.47E+07	2.80E+07	2.29E+07	2.14E+07	4.3E+06	2.7E+07	16.2		YES	YES
415,200_8,17	7.01E+07	8.49E+07	8.44E+07	1.02E+08	9.46E+07	9.56E+07	1.04E+08	1.2E+07	9.1E+07	13.1	YES	YES	YES
415,200_8,82	1.10E+08	1.08E+08	1.09E+08	1.21E+08	1.19E+08	1.13E+08	1.22E+08	5.8E+06	1.1E+08	5.0	YES	YES	YES
415,360_5,87	1.35E+07	1.85E+07	1.23E+07	2.03E+07	1.23E+07	1.29E+07	1.51E+07	3.2E+06	1.5E+07	21.4			YES
415,360_9,77	1.34E+08	1.30E+08	1.12E+08	1.28E+08	1.26E+08	1.31E+08	1.28E+08	7.0E+06	1.3E+08	5.5	YES	YES	YES
415,360_11,52	1.23E+08	1.24E+08	9.68E+07	9.85E+07	1.04E+08	1.18E+08	9.29E+07	1.3E+07	1.1E+08	12.2	YES	YES	YES
416,400_9,75	6.10E+07	6.88E+07	5.81E+07	6.35E+07	5.86E+07	5.93E+07	5.95E+07	3.8E+06	6.1E+07	6.1	YES	YES	YES
417,200_8,54	9.44E+07	1.17E+08	1.20E+08	1.32E+08	1.25E+08	1.26E+08	1.27E+08	1.2E+07	1.2E+08	10.2	YES	YES	YES
418,480_7,98	2.03E+08	2.51E+08	2.39E+08	2.55E+08	2.42E+08	2.47E+08	2.70E+08	2.1E+07	2.4E+08	8.5	YES	YES	YES
418,560_10,37	2.38E+08	2.28E+08	2.42E+08	2.39E+08	2.39E+08	2.48E+08	2.28E+08	7.0E+06	2.4E+08	3.0	YES	YES	YES
418,800_8,00	6.84E+07	8.35E+07	8.31E+07	8.51E+07	7.56E+07	8.43E+07	9.43E+07	8.1E+06	8.2E+07	9.9	YES	YES	YES
419,120_6,84	2.08E+07	1.43E+07	1.15E+07	8.38E+06	9.00E+06	1.08E+07	6.00E+06	4.8E+06	1.2E+07	41.9			
419,760_10,29	1.24E+08	1.26E+08	1.17E+08	1.29E+08	1.19E+08	1.24E+08	1.35E+08	6.0E+06	1.2E+08	4.8	YES	YES	YES
420,240_11,15	3.16E+07	2.90E+07	3.24E+07	2.98E+07	2.79E+07	2.83E+07	2.93E+07	1.7E+06	3.0E+07	5.7	YES	YES	YES
422,240_8,42	1.46E+07	1.95E+07	1.59E+07	2.25E+07	2.24E+07	2.26E+07	2.49E+07	3.8E+06	2.0E+07	18.8		YES	YES
423,280_9,91	5.55E+07	5.55E+07	5.16E+07	5.08E+07	5.56E+07	5.39E+07	5.85E+07	2.6E+06	5.4E+07	4.9	YES	YES	YES
424,400_8,61	4.14E+07	4.69E+07	4.59E+07	5.08E+07	5.51E+07	4.86E+07	5.63E+07	5.2E+06	4.9E+07	10.7	YES	YES	YES
425,440_10,52	2.04E+08	1.77E+08	1.79E+08	1.78E+08	1.73E+08	1.90E+08	1.77E+08	1.1E+07	1.8E+08	5.9	YES	YES	YES
426,240_9,26	2.36E+08	2.46E+08	2.48E+08	2.81E+08	2.60E+08	2.55E+08	2.73E+08	1.6E+07	2.6E+08	6.2	YES	YES	YES
426,320_11,10	5.03E+07	3.75E+07	3.79E+07	3.51E+07	3.66E+07	3.71E+07	2.89E+07	6.4E+06	3.8E+07	16.9		YES	YES
427,440_11,00	1.05E+08	9.46E+07	9.95E+07	9.30E+07	9.13E+07	8.99E+07	8.21E+07	7.1E+06	9.4E+07	7.6	YES	YES	YES
427,840_9,06	1.28E+08	1.47E+08	1.16E+08	1.11E+08	1.25E+08	1.19E+08	1.32E+08	1.2E+07	1.3E+08	9.6	YES	YES	YES
428,560_10,94	5.03E+07	3.85E+07	4.33E+07	3.56E+07	4.01E+07	3.75E+07	3.44E+07	5.4E+06	4.0E+07	13.5	YES	YES	YES
429,040_11,07	3.63E+08	1.91E+08	1.96E+08	1.60E+08	1.71E+08	1.55E+08	1.62E+08	7.4E+07	2.0E+08	36.8			
429,200_8,76	2.71E+08	3.02E+08	2.79E+08	2.79E+08	2.94E+08	2.90E+08	3.12E+08	1.4E+07	2.9E+08	4.9	YES	YES	YES
429,280_9,80	2.66E+08	1.71E+08	1.65E+08	1.61E+08	1.65E+08	1.67E+08	1.57E+08	3.9E+07	1.8E+08	21.6			YES
430,320_8,91	1.64E+08	1.72E+08	1.77E+08	1.89E+08	1.72E+08	1.74E+08	1.63E+08	8.8E+06	1.7E+08	5.1	YES	YES	YES
430,320_10,56	1.08E+08	6.10E+07	5.93E+07	6.05E+07	6.31E+07	5.78E+07	5.76E+07	1.8E+07	6.7E+07	27.6			YES
431,040_0,84	7.28E+08	6.57E+08	5.17E+08	6.48E+08	6.27E+08	4.77E+08	4.80E+08	9.9E+07	5.9E+08	16.7		YES	YES
431,120_11,90	7.41E+07	5.45E+07	5.99E+07	4.78E+07	4.80E+07	4.79E+07	4.90E+07	9.8E+06	5.4E+07	18.0		YES	YES
431,440_9,27	6.13E+08	6.31E+08	6.27E+08	6.14E+08	7.10E+08	6.47E+08	6.92E+08	3.8E+07	6.5E+08	5.9	YES	YES	YES
432,000_0,84	5.80E+07	5.46E+07	4.25E+07	4.90E+07	4.87E+07	3.90E+07	4.01E+07	7.3E+06	4.7E+07	15.3		YES	YES
433,120_0,89	6.75E+07	4.16E+07	2.44E+07	2.30E+07	2.14E+07	2.03E+07	1.81E+07	1.8E+07	3.1E+07	58.0			

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
433,120_9,29	1.01E+09	4.61E+08	3.33E+08	3.22E+08	3.33E+08	3.13E+08	3.31E+08	2.6E+08	4.4E+08	57.5			
433,200_1,24	2.70E+09	6.84E+08	3.71E+08	2.38E+08	1.74E+08	1.65E+08	1.27E+08	9.3E+08	6.4E+08	145.9			
433,200_2,08	3.44E+09	9.43E+08	4.48E+08	2.93E+08	2.38E+08	1.85E+08	1.53E+08	1.2E+09	8.1E+08	146.0			
433,200_6,88	2.66E+09	1.02E+09	5.78E+08	4.80E+08	4.04E+08	3.77E+08	3.61E+08	8.3E+08	8.4E+08	99.3			
433,200_8,74	9.09E+08	3.45E+08	2.22E+08	2.00E+08	1.83E+08	1.60E+08	1.62E+08	2.7E+08	3.1E+08	87.1			
433,280_9,29	2.69E+09	9.30E+08	5.48E+08	4.41E+08	4.28E+08	3.74E+08	3.78E+08	8.4E+08	8.3E+08	101.9			
433,280_10,99	1.37E+09	4.35E+08	2.71E+08	2.13E+08	1.87E+08	1.75E+08	1.53E+08	4.4E+08	4.0E+08	109.4			
434,160_1,67	4.79E+08	1.21E+08	6.31E+07	4.02E+07	3.39E+07	2.83E+07	2.28E+07	1.6E+08	1.1E+08	146.4			
434,160_9,85	1.06E+09	5.80E+08	4.88E+08	4.81E+08	4.69E+08	4.51E+08	4.33E+08	2.2E+08	5.7E+08	39.6			
434,400_10,97	4.09E+08	1.93E+08	1.54E+08	1.40E+08	1.45E+08	1.44E+08	1.26E+08	1.0E+08	1.9E+08	53.5			
434,480_7,53	3.90E+08	2.10E+08	1.58E+08	1.55E+08	1.36E+08	1.46E+08	1.35E+08	9.2E+07	1.9E+08	48.2			
434,480_9,96	4.97E+08	3.32E+08	2.94E+08	2.79E+08	2.91E+08	2.80E+08	2.76E+08	8.0E+07	3.2E+08	24.9			YES
435,200_11,34	2.89E+08	1.88E+08	1.74E+08	1.82E+08	1.87E+08	1.75E+08	1.59E+08	4.3E+07	1.9E+08	22.4			YES
435,360_7,58	1.17E+08	8.44E+07	7.09E+07	7.20E+07	7.59E+07	7.43E+07	7.53E+07	1.6E+07	8.1E+07	19.8		YES	YES
436,560_10,76	1.38E+08	1.14E+08	1.13E+08	1.10E+08	9.59E+07	1.05E+08	1.01E+08	1.4E+07	1.1E+08	12.3	YES	YES	YES
436,880_5,85	3.13E+06	7.50E+06	5.88E+06	9.00E+06	7.00E+06	6.50E+06	8.25E+06	1.9E+06	6.8E+06	28.3			YES
437,280_8,80	1.27E+08	1.17E+08	1.18E+08	1.21E+08	1.34E+08	9.64E+07	1.34E+08	1.3E+07	1.2E+08	10.7	YES	YES	YES
437,360_11,32	2.13E+08	1.99E+08	1.89E+08	1.92E+08	1.89E+08	1.88E+08	1.84E+08	9.8E+06	1.9E+08	5.1	YES	YES	YES
437,760_10,20	6.45E+07	5.96E+07	6.26E+07	6.39E+07	6.26E+07	6.55E+07	6.35E+07	1.9E+06	6.3E+07	3.0	YES	YES	YES
438,320_8,80	2.28E+07	2.20E+07	2.55E+07	2.41E+07	2.48E+07	2.11E+07	2.60E+07	1.8E+06	2.4E+07	7.7	YES	YES	YES
438,480_11,13	7.66E+07	7.39E+07	7.13E+07	7.40E+07	7.93E+07	7.33E+07	6.29E+07	5.2E+06	7.3E+07	7.1	YES	YES	YES
439,360_11,37	8.61E+07	7.99E+07	7.24E+07	7.08E+07	7.55E+07	6.38E+07	5.61E+07	1.0E+07	7.2E+07	13.8	YES	YES	YES
439,440_10,80	1.22E+08	9.16E+07	8.83E+07	8.34E+07	9.38E+07	8.31E+07	6.60E+07	1.7E+07	9.0E+07	18.7		YES	YES
440,400_9,91	2.00E+07	1.69E+07	1.80E+07	1.56E+07	1.44E+07	1.55E+07	1.55E+07	1.9E+06	1.7E+07	11.5	YES	YES	YES
441,040_6,86	7.50E+06	6.88E+06	7.63E+06	5.75E+06	8.88E+06	9.00E+06	6.50E+06	1.2E+06	7.4E+06	16.1		YES	YES
441,360_9,80	1.59E+08	1.56E+08	1.39E+08	1.49E+08	1.47E+08	1.49E+08	1.49E+08	6.5E+06	1.5E+08	4.3	YES	YES	YES
441,360_11,25	1.26E+08	1.11E+08	1.14E+08	1.10E+08	1.13E+08	1.18E+08	9.19E+07	1.0E+07	1.1E+08	9.3	YES	YES	YES
443,440_10,60	5.79E+07	5.75E+07	5.59E+07	5.08E+07	4.84E+07	5.45E+07	5.00E+07	3.8E+06	5.4E+07	7.1	YES	YES	YES
444,320_8,39	3.19E+07	3.60E+07	2.91E+07	3.10E+07	3.25E+07	3.46E+07	3.14E+07	2.3E+06	3.2E+07	7.1	YES	YES	YES
444,480_9,51	7.71E+07	7.20E+07	7.06E+07	7.11E+07	8.15E+07	7.33E+07	7.04E+07	4.1E+06	7.4E+07	5.6	YES	YES	YES
445,280_9,93	1.70E+08	1.56E+08	1.61E+08	1.64E+08	1.69E+08	1.56E+08	1.53E+08	6.5E+06	1.6E+08	4.0	YES	YES	YES
445,520_11,21	1.23E+08	1.07E+08	1.03E+08	1.03E+08	9.68E+07	1.05E+08	9.15E+07	9.7E+06	1.0E+08	9.3	YES	YES	YES
446,320_11,17	1.64E+08	1.61E+08	1.65E+08	1.49E+08	1.57E+08	1.57E+08	1.44E+08	7.6E+06	1.6E+08	4.9	YES	YES	YES
446,480_8,42	2.11E+08	2.32E+08	2.02E+08	2.32E+08	2.36E+08	2.44E+08	2.29E+08	1.5E+07	2.3E+08	6.5	YES	YES	YES
446,880_0,84	1.19E+08	9.54E+07	7.88E+07	1.01E+08	9.53E+07	7.27E+07	7.30E+07	1.7E+07	9.1E+07	18.6		YES	YES
446,880_9,95	2.70E+08	2.83E+08	2.76E+08	2.71E+08	2.91E+08	2.66E+08	2.59E+08	1.1E+07	2.7E+08	3.9	YES	YES	YES
447,360_9,28	1.49E+08	1.38E+08	1.34E+08	1.26E+08	1.50E+08	1.41E+08	1.44E+08	8.6E+06	1.4E+08	6.2	YES	YES	YES
447,520_10,53	2.41E+08	2.22E+08	2.30E+08	2.31E+08	2.17E+08	2.26E+08	2.06E+08	1.1E+07	2.2E+08	5.0	YES	YES	YES
448,320_8,59	1.69E+08	1.66E+08	1.56E+08	1.61E+08	1.70E+08	1.67E+08	1.63E+08	5.1E+06	1.6E+08	3.1	YES	YES	YES
448,880_0,84	5.03E+07	4.29E+07	3.98E+07	4.09E+07	3.96E+07	3.22E+07	3.79E+07	5.4E+06	4.0E+07	13.5	YES	YES	YES
449,360_8,89	1.32E+08	1.35E+08	1.18E+08	1.25E+08	1.23E+08	1.23E+08	1.23E+08	5.8E+06	1.3E+08	4.6	YES	YES	YES
449,520_10,99	1.28E+08	1.47E+08	1.65E+08	1.59E+08	1.66E+08	1.82E+08	1.35E+08	1.9E+07	1.5E+08	12.4	YES	YES	YES
450,320_10,05	2.25E+08	1.84E+08	1.64E+08	1.73E+08	1.62E+08	1.67E+08	1.72E+08	2.2E+07	1.8E+08	12.4	YES	YES	YES
450,400_11,02	8.91E+07	6.86E+07	8.26E+07	7.29E+07	7.43E+07	7.38E+07	5.39E+07	1.1E+07	7.4E+07	15.1		YES	YES
450,480_10,03	3.47E+08	2.82E+08	2.61E+08	2.78E+08	2.68E+08	2.71E+08	2.51E+08	3.1E+07	2.8E+08	11.2	YES	YES	YES
451,280_10,95	3.50E+07	2.76E+07	3.59E+07	3.43E+07	3.58E+07	3.89E+07	2.89E+07	4.0E+06	3.4E+07	12.0	YES	YES	YES
452,480_10,05	1.69E+07	2.01E+07	1.76E+07	2.23E+07	1.90E+07	1.71E+07	1.88E+07	1.9E+06	1.9E+07	10.1	YES	YES	YES
453,280_11,17	3.25E+07	3.33E+07	3.98E+07	3.39E+07	3.40E+07	3.85E+07	2.98E+07	3.5E+06	3.5E+07	10.1	YES	YES	YES
453,360_9,27	1.49E+08	1.45E+08	1.52E+08	1.42E+08	1.61E+08	1.56E+08	1.57E+08	6.9E+06	1.5E+08	4.6	YES	YES	YES
455,040_8,45	6.20E+07	4.08E+07	3.33E+07	3.18E+07	3.70E+07	3.05E+07	3.44E+07	1.1E+07	3.9E+07	28.3			YES
455,200_10,41	6.56E+08	3.46E+08	2.70E+08	2.56E+08	2.33E+08	2.38E+08	2.26E+08	1.5E+08	3.2E+08	48.7			
455,360_0,84	4.39E+08	1.39E+08	7.68E+07	6.36E+07	3.72E+07	4.66E+07	4.78E+07	1.4E+08	1.2E+08	118.7			
456,400_0,84	9.55E+07	3.02E+07	1.37E+07	9.16E+06	8.69E+06	7.65E+06	4.61E+06	3.3E+07	2.4E+07	134.4			
457,360_8,81	1.48E+07	1.64E+07	1.45E+07	1.76E+07	1.96E+07	1.93E+07	1.79E+07	2.0E+06	1.7E+07	11.8	YES	YES	YES
457,360_10,87	1.91E+08	1.69E+08	1.62E+08	1.61E+08	1.45E+08	1.37E+08	1.31E+08	2.0E+07	1.6E+08	13.1	YES	YES	YES
459,280_6,05	1.06E+07	6.88E+06	9.25E+06	1.26E+07	8.63E+06	8.75E+06	8.00E+06	1.9E+06	9.3E+06	20.3			YES
459,440_10,51	3.70E+08	3.72E+08	3.70E+08	3.62E+08	3.73E+08	3.66E+08	3.61E+08	4.5E+06	3.7E+08	1.2	YES	YES	YES
460,480_10,39	9.06E+07	9.71E+07	9.40E+07	8.31E+07	8.25E+07	8.28E+07	8.00E+07	6.7E+06	8.7E+07	7.7	YES	YES	YES
461,280_9,80	3.98E+08	3.60E+08	3.50E+08	3.33E+08	3.44E+08	3.37E+08	3.27E+08	2.4E+07	3.5E+08	6.9	YES	YES	YES
462,480_8,00	1.36E+08	1.73E+08	1.63E+08	1.83E+08	1.72E+08	1.66E+08	1.79E+08	1.6E+07	1.7E+08	9.3	YES	YES	YES
462,560_10,93	2.90E+08	2.77E+08	2.76E+08	2.81E+08	2.78E+08	2.77E+08	2.61E+08	8.4E+06	2.8E+08	3.0	YES	YES	YES
463,040_0,84	3.89E+07	4.28E+07	3.18E+07	3.76E+07	3.75E+07	2.49E+07	2.60E+07	6.8E+06	3.4E+07	19.8		YES	YES
463,200_10,38	2.81E+08	2.91E+08	2.82E+08	2.81E+08	2.82E+08	2.82E+08	2.54E+08	1.2E+07	2.8E+08	4.2	YES	YES	YES
463,280_5,24	4.50E+07	2.51E+07	4.64E+07	4.09E+07	3.39E+07	4.37E+07	3.83E+07	7.5E+06	3.9E+07	19.1		YES	YES
464,160_8,24	3.68E+07	5.41E+07	4.81E+07	5.08E+07	4.99E+07	4.33E+07	4.59E+07	5.7E+06	4.7E+07	12.1	YES	YES	YES
464,240_5,23	1.08E+07	6.75E+06	8.63E+06	1.17E+07	1.05E+07	1.23E+07	1.02E+07	1.9E+06	1.0E+07	18.7		YES	YES
464,400_11,71	2.25E+08	2.13E+08	2.11E+08	1.87E+08	1.90E+08	2.20E+08	1.88E+08	1.6E+07	2.0E+08	7.9	YES	YES	YES
464,720_10,03	3.99E+08	3.66E+08	3.70E+08	3.65E+08	3.61E+08	3.69E+08	3.56E+08	1.4E+07	3.7E+08	3.8	YES	YES	YES
464,720_10,34	2.25E+08	2.10E+08	2.18E+08	2.21E+08	2.19E+08	2.19E+08	1.97E+08	9.4E+06	2.2E+08	4.4	YES	YES	YES
465,200_8,24	8.63E+06	9.63E+06	8.38E+06	1.05E+07	1.10E+07	1.09E+07	9.50E+06	1.1E+06	9.8E+06	10.7	YES	YES	YES
466,320_8,91	7.08E+07	9.26E+07	9.50E+07	9.39E+07	1.01E+08	9.70E+07	8.75E+07	9.9E+06	9.1E+07	10.9	YES	YES	YES
467,280_8,89	2.68E+07	3.08E+07	3.34E+07	2.66E+07	2.34E+07	3.41E+07	2.60E+07	4.1E+06	2.9E+07	14.2	YES	YES	YES
467,440_9,90	4.20E+07	4.48E+07	4.60E+07	4.48E+07	4.31E+07	4.11E+07	4.45E+07	1.7E+06	4.4E+07	4.0	YES	YES	YES
468,480_10,04	2.71E+08	2.70E+08	2.82E+08	2.86E+08	2.70E+08	2.68E+08	2.80E+08	7.2E+06	2.8E+08	2.6	YES	YES	YES
469,520_10,04	1.49E+08	1.35E+08	1.36E+08	1.40E+08	1.40E+08	1.44E+08	1.42E+08	4.7E+06	1.4E+08	3.3	YES	YES	YES
469,680_11,98	2.98E+07	4.36E+07	5.66E+07	3.60E+07	3.31E+07	4.08E+07	3.10E+07	9.4E+06	3.9E+07	24.2			YES
470,400_10,03	5.45E+07	5.38E+07	4.80E+07	4.04E+07	4.65E+07	5.04E+07	4.84E+07	4.8E+06	4.9E+07	9.8	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
470,400_12,00	1.59E+07	2.48E+07	2.35E+07	1.79E+07	1.48E+07	1.70E+07	1.54E+07	4.0E+06	1.8E+07	21.8			YES
471,280_9,27	1.31E+08	1.33E+08	1.20E+08	1.01E+08	1.17E+08	1.10E+08	1.21E+08	1.1E+07	1.2E+08	9.5	YES	YES	YES
471,360_10,95	4.36E+07	4.19E+07	4.49E+07	4.18E+07	4.09E+07	4.55E+07	4.49E+07	1.8E+06	4.3E+07	4.2	YES	YES	YES
472,560_8,46	2.00E+08	1.96E+08	1.87E+08	1.91E+08	1.96E+08	1.98E+08	1.94E+08	4.5E+06	1.9E+08	2.3	YES	YES	YES
473,280_9,28	2.89E+08	2.98E+08	2.81E+08	2.76E+08	2.73E+08	2.83E+08	2.87E+08	8.3E+06	2.8E+08	2.9	YES	YES	YES
473,440_8,48	3.06E+07	3.81E+07	3.58E+07	3.78E+07	3.40E+07	3.38E+07	3.56E+07	2.6E+06	3.5E+07	7.4	YES	YES	YES
474,480_8,75	1.09E+08	1.14E+08	1.13E+08	1.15E+08	1.15E+08	1.01E+08	1.08E+08	5.1E+06	1.1E+08	4.6	YES	YES	YES
475,200_9,29	1.89E+08	1.93E+08	1.85E+08	1.98E+08	2.12E+08	1.94E+08	1.91E+08	8.8E+06	1.9E+08	4.5	YES	YES	YES
476,240_5,34	1.96E+07	1.83E+07	1.36E+07	2.18E+07	1.56E+07	1.43E+07	1.89E+07	3.0E+06	1.7E+07	17.2		YES	YES
476,400_12,01	1.78E+07	2.45E+07	3.40E+07	2.73E+07	2.28E+07	2.16E+07	1.55E+07	6.1E+06	2.3E+07	26.3			YES
476,560_10,14	1.96E+08	1.96E+08	2.04E+08	2.17E+08	2.01E+08	2.05E+08	2.23E+08	1.0E+07	2.1E+08	5.0	YES	YES	YES
477,280_9,27	7.26E+07	7.10E+07	6.70E+07	6.21E+07	7.86E+07	7.01E+07	6.95E+07	5.1E+06	7.0E+07	7.2	YES	YES	YES
478,240_10,74	5.87E+08	5.86E+08	5.75E+08	5.67E+08	5.43E+08	5.63E+08	5.55E+08	1.6E+07	5.7E+08	2.8	YES	YES	YES
478,400_7,85	9.81E+07	1.36E+08	1.19E+08	1.34E+08	1.33E+08	1.27E+08	1.27E+08	1.3E+07	1.2E+08	10.4	YES	YES	YES
478,480_10,41	2.39E+08	2.20E+08	2.18E+08	2.34E+08	2.09E+08	2.26E+08	1.97E+08	1.5E+07	2.2E+08	6.6	YES	YES	YES
478,640_11,94	4.26E+07	4.01E+07	4.26E+07	4.49E+07	3.18E+07	3.71E+07	4.05E+07	4.4E+06	4.0E+07	10.9	YES	YES	YES
478,800_10,70	3.87E+09	3.82E+09	3.93E+09	3.78E+09	3.77E+09	3.90E+09	3.85E+09	6.0E+07	3.8E+09	1.5	YES	YES	YES
479,360_7,85	2.03E+07	2.50E+07	2.60E+07	3.03E+07	2.74E+07	2.44E+07	3.06E+07	3.6E+06	2.6E+07	13.7	YES	YES	YES
480,000_10,71	9.28E+08	8.78E+08	9.23E+08	8.76E+08	8.60E+08	8.99E+08	9.26E+08	2.8E+07	9.0E+08	3.1	YES	YES	YES
480,480_7,85	2.75E+06	3.50E+06	5.38E+06	6.00E+06	6.88E+06	3.50E+06	4.38E+06	1.5E+06	4.6E+06	32.6			
481,440_5,68	2.11E+07	3.24E+07	3.23E+07	3.49E+07	3.11E+07	3.36E+07	3.24E+07	4.6E+06	3.1E+07	14.7	YES	YES	YES
481,520_10,21	6.98E+07	7.48E+07	6.74E+07	6.66E+07	5.63E+07	6.00E+07	6.64E+07	6.1E+06	6.6E+07	9.3	YES	YES	YES
482,320_5,68	6.25E+06	1.00E+07	9.63E+06	9.90E+06	6.25E+06	1.05E+07	1.09E+07	2.0E+06	9.1E+06	21.7			YES
482,320_11,30	3.36E+08	3.34E+08	3.40E+08	3.35E+08	3.44E+08	3.65E+08	3.36E+08	1.1E+07	3.4E+08	3.2	YES	YES	YES
482,720_10,36	4.78E+08	4.78E+08	4.57E+08	4.41E+08	4.51E+08	4.72E+08	4.54E+08	1.4E+07	4.6E+08	3.1	YES	YES	YES
483,040_0,86	1.11E+07	7.50E+06	6.38E+06	1.14E+07	9.38E+06	5.25E+06	4.75E+06	2.7E+06	8.0E+06	34.0			
483,120_8,82	4.04E+07	3.24E+07	3.61E+07	3.65E+07	4.18E+07	3.25E+07	3.93E+07	3.7E+06	3.7E+07	10.0	YES	YES	YES
483,520_11,31	1.76E+08	1.84E+08	1.80E+08	1.75E+08	1.64E+08	1.82E+08	1.72E+08	6.7E+06	1.8E+08	3.8	YES	YES	YES
483,840_10,33	1.77E+08	1.65E+08	1.64E+08	1.59E+08	1.64E+08	1.60E+08	1.55E+08	7.0E+06	1.6E+08	4.3	YES	YES	YES
484,400_11,34	2.39E+07	2.20E+07	2.33E+07	2.33E+07	2.61E+07	2.68E+07	2.74E+07	2.1E+06	2.5E+07	8.4	YES	YES	YES
485,520_10,19	1.82E+08	1.82E+08	1.83E+08	1.89E+08	1.76E+08	1.91E+08	1.77E+08	5.4E+06	1.8E+08	3.0	YES	YES	YES
486,240_8,28	1.21E+07	1.96E+07	1.56E+07	2.43E+07	2.25E+07	2.03E+07	1.65E+07	4.2E+06	1.9E+07	22.5			YES
487,440_8,25	6.50E+06	9.00E+06	1.00E+07	1.16E+07	9.38E+06	1.18E+07	7.88E+06	1.9E+06	9.4E+06	20.1			YES
487,440_11,45	7.43E+07	8.11E+07	7.40E+07	7.94E+07	7.55E+07	8.53E+07	8.29E+07	4.4E+06	7.9E+07	5.6	YES	YES	YES
488,320_8,91	6.74E+07	7.85E+07	8.20E+07	8.01E+07	8.25E+07	7.85E+07	8.13E+07	5.2E+06	7.9E+07	6.6	YES	YES	YES
489,280_8,88	3.74E+07	4.93E+07	4.80E+07	4.89E+07	4.66E+07	4.25E+07	4.59E+07	4.2E+06	4.6E+07	9.3	YES	YES	YES
489,360_9,90	1.06E+08	9.35E+07	9.46E+07	9.73E+07	9.39E+07	9.74E+07	9.05E+07	4.9E+06	9.6E+07	5.1	YES	YES	YES
489,680_10,95	9.56E+07	1.02E+08	9.40E+07	9.48E+07	9.28E+07	9.03E+07	8.89E+07	4.4E+06	9.4E+07	4.7	YES	YES	YES
490,400_10,06	3.48E+08	3.70E+08	3.47E+08	3.70E+08	3.47E+08	3.61E+08	3.52E+08	1.0E+07	3.6E+08	2.9	YES	YES	YES
490,480_8,41	2.24E+08	2.67E+08	2.36E+08	2.51E+08	2.64E+08	2.43E+08	2.54E+08	1.5E+07	2.5E+08	6.2	YES	YES	YES
490,640_11,28	1.93E+08	2.06E+08	1.98E+08	1.97E+08	1.94E+08	1.92E+08	1.71E+08	1.1E+07	1.9E+08	5.5	YES	YES	YES
491,360_10,98	3.24E+07	2.65E+07	2.71E+07	2.83E+07	2.73E+07	2.88E+07	2.43E+07	2.5E+06	2.8E+07	8.9	YES	YES	YES
491,520_8,44	6.59E+07	6.88E+07	6.50E+07	6.14E+07	6.89E+07	6.94E+07	6.39E+07	3.0E+06	6.6E+07	4.5	YES	YES	YES
492,320_10,17	1.04E+08	9.86E+07	9.01E+07	9.24E+07	9.85E+07	1.09E+08	7.79E+07	1.0E+07	9.6E+07	10.7	YES	YES	YES
492,480_8,40	2.23E+07	2.25E+07	2.48E+07	2.25E+07	2.60E+07	2.53E+07	2.26E+07	1.6E+06	2.4E+07	6.7	YES	YES	YES
492,560_11,25	4.16E+08	4.12E+08	4.18E+08	4.09E+08	3.94E+08	4.31E+08	4.11E+08	1.1E+07	4.1E+08	2.7	YES	YES	YES
493,280_9,30	1.73E+08	1.53E+08	1.51E+08	1.56E+08	1.58E+08	1.63E+08	1.48E+08	8.5E+06	1.6E+08	5.4	YES	YES	YES
493,440_11,21	1.89E+08	1.73E+08	1.81E+08	1.88E+08	1.63E+08	1.73E+08	1.70E+08	9.5E+06	1.8E+08	5.4	YES	YES	YES
493,760_11,19	1.23E+08	1.12E+08	1.27E+08	1.14E+08	1.16E+08	1.21E+08	1.07E+08	7.0E+06	1.2E+08	6.0	YES	YES	YES
494,400_9,98	6.26E+07	5.39E+07	5.31E+07	5.80E+07	5.14E+07	5.96E+07	5.44E+07	4.0E+06	5.6E+07	7.2	YES	YES	YES
494,480_10,13	3.52E+08	3.39E+08	3.73E+08	3.82E+08	3.57E+08	3.78E+08	3.72E+08	1.6E+07	3.6E+08	4.3	YES	YES	YES
495,360_10,16	1.51E+08	1.43E+08	1.51E+08	1.69E+08	1.45E+08	1.54E+08	1.53E+08	8.5E+06	1.5E+08	5.5	YES	YES	YES
496,480_10,71	4.77E+09	4.70E+09	5.00E+09	4.79E+09	4.68E+09	4.88E+09	4.81E+09	1.1E+08	4.8E+09	2.3	YES	YES	YES
497,120_9,74	2.44E+07	2.48E+07	2.11E+07	2.60E+07	2.38E+07	2.44E+07	2.34E+07	1.5E+06	2.4E+07	6.3	YES	YES	YES
497,520_10,71	2.17E+09	2.11E+09	2.24E+09	2.11E+09	2.01E+09	2.17E+09	2.17E+09	7.3E+07	2.1E+09	3.4	YES	YES	YES
498,000_10,71	9.74E+08	9.33E+08	9.60E+08	9.03E+08	8.70E+08	9.33E+08	9.62E+08	3.7E+07	9.3E+08	3.9	YES	YES	YES
498,960_0,84	1.91E+08	1.74E+08	1.39E+08	1.88E+08	1.57E+08	1.25E+08	1.38E+08	2.6E+07	1.6E+08	16.6		YES	YES
499,120_9,74	3.91E+07	4.05E+07	3.98E+07	3.60E+07	3.83E+07	4.43E+07	3.14E+07	4.0E+06	3.8E+07	10.4	YES	YES	YES
499,920_0,76	1.84E+07	1.51E+07	9.88E+06	1.66E+07	1.05E+07	9.63E+06	1.09E+07	3.6E+06	1.3E+07	27.8			YES
500,320_9,16	1.47E+08	1.38E+08	1.32E+08	1.37E+08	1.40E+08	1.46E+08	1.53E+08	7.3E+06	1.4E+08	5.1	YES	YES	YES
500,400_10,05	7.81E+07	6.95E+07	6.98E+07	7.14E+07	6.43E+07	7.33E+07	7.38E+07	4.3E+06	7.1E+07	6.0	YES	YES	YES
501,360_9,13	1.46E+08	1.21E+08	1.04E+08	1.15E+08	1.07E+08	1.18E+08	1.20E+08	1.4E+07	1.2E+08	11.6	YES	YES	YES
502,000_10,36	2.57E+08	2.17E+08	2.21E+08	2.16E+08	2.06E+08	2.07E+08	2.07E+08	1.8E+07	2.2E+08	8.1	YES	YES	YES
502,720_10,33	1.86E+09	1.79E+09	1.86E+09	1.86E+09	1.91E+09	1.80E+09	1.87E+09	4.2E+07	1.8E+09	2.3	YES	YES	YES
503,360_6,17	8.25E+06	6.50E+06	7.75E+06	7.13E+06	5.75E+06	7.88E+06	6.38E+06	9.2E+05	7.1E+06	12.9	YES	YES	YES
503,600_10,34	9.83E+08	9.16E+08	9.96E+08	9.77E+08	9.68E+08	9.72E+08	9.44E+08	2.7E+07	9.6E+08	2.8	YES	YES	YES
504,320_8,91	1.54E+07	1.19E+07	1.60E+07	1.46E+07	1.54E+07	1.31E+07	9.38E+06	2.4E+06	1.4E+07	17.4		YES	YES
504,320_11,30	2.66E+08	2.81E+08	2.58E+08	2.56E+08	2.59E+08	2.85E+08	2.56E+08	1.2E+07	2.7E+08	4.6	YES	YES	YES
504,480_10,83	1.87E+09	1.85E+09	1.98E+09	1.98E+09	1.97E+09	1.92E+09	1.90E+09	5.2E+07	1.9E+09	2.7	YES	YES	YES
505,440_8,57	3.53E+07	3.65E+07	3.26E+07	3.71E+07	3.48E+07	3.31E+07	3.90E+07	2.3E+06	3.5E+07	6.3	YES	YES	YES
505,600_10,83	6.55E+08	6.04E+08	6.07E+08	6.49E+08	6.20E+08	5.80E+08	5.97E+08	2.7E+07	6.2E+08	4.5	YES	YES	YES
506,400_8,03	8.48E+07	1.16E+08	1.15E+08	1.20E+08	1.09E+08	9.91E+07	1.14E+08	1.2E+07	1.1E+08	11.3	YES	YES	YES
506,480_9,86	2.71E+08	2.51E+08	2.58E+08	2.48E+08	2.31E+08	2.36E+08	2.18E+08	1.8E+07	2.4E+08	7.2	YES	YES	YES
506,560_10,81	6.34E+08	5.73E+08	5.97E+08	5.99E+08	5.57E+08	5.47E+08	5.18E+08	3.9E+07	5.7E+08	6.7	YES	YES	YES
506,720_11,69	2.38E+09	2.33E+09	2.41E+09	2.41E+09	2.38E+09	2.47E+09	2.33E+09	4.8E+07	2.4E+09	2.0	YES	YES	YES
506,960_11,69	1.25E+09	1.22E+09	1.25E+09	1.27E+09	1.27E+09	1.33E+09	1.22E+09	3.9E+07	1.3E+09	3.1	YES	YES	YES
507,520_8,03	1.94E+07	2.20E+07	2.55E+07	2.69E+07	2.09E+07	1.90E+07	2.44E+07	3.1E+06	2.3E+07	13.6	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
507,520_10,18	1.94E+08	1.80E+08	1.85E+08	1.76E+08	1.74E+08	1.70E+08	1.68E+08	9.2E+06	1.8E+08	5.2	YES	YES	YES
507,920_11,71	6.41E+08	6.04E+08	6.42E+08	6.35E+08	6.58E+08	6.80E+08	5.82E+08	3.3E+07	6.3E+08	5.2	YES	YES	YES
508,400_10,44	1.27E+08	1.39E+08	1.29E+08	1.25E+08	1.28E+08	1.32E+08	1.33E+08	4.7E+06	1.3E+08	3.6	YES	YES	YES
509,200_11,62	4.55E+08	4.36E+08	4.66E+08	4.65E+08	4.82E+08	4.89E+08	4.50E+08	1.8E+07	4.6E+08	3.9	YES	YES	YES
509,360_11,65	8.43E+07	7.59E+07	9.04E+07	8.16E+07	7.76E+07	9.63E+07	7.18E+07	8.5E+06	8.3E+07	10.4	YES	YES	YES
510,160_10,29	4.45E+07	4.34E+07	4.36E+07	3.95E+07	4.84E+07	4.31E+07	3.74E+07	3.5E+06	4.3E+07	8.3	YES	YES	YES
510,320_11,18	1.75E+08	1.50E+08	1.81E+08	1.88E+08	1.69E+08	1.55E+08	1.92E+08	1.6E+07	1.7E+08	9.2	YES	YES	YES
510,480_11,22	7.11E+08	7.11E+08	7.43E+08	7.48E+08	7.19E+08	7.77E+08	7.13E+08	2.5E+07	7.3E+08	3.4	YES	YES	YES
511,440_11,19	3.08E+08	2.90E+08	2.96E+08	2.93E+08	2.74E+08	3.20E+08	2.75E+08	1.7E+07	2.9E+08	5.6	YES	YES	YES
512,480_11,19	7.79E+07	7.09E+07	7.11E+07	7.49E+07	6.85E+07	7.44E+07	6.53E+07	4.2E+06	7.2E+07	5.9	YES	YES	YES
513,040_8,73	1.79E+07	1.79E+07	1.90E+07	2.13E+07	1.75E+07	1.58E+07	2.00E+07	1.8E+06	1.8E+07	9.7	YES	YES	YES
514,960_0,84	3.30E+07	3.21E+07	2.65E+07	3.56E+07	2.20E+07	2.36E+07	2.08E+07	5.9E+06	2.8E+07	21.4			YES
515,280_8,76	1.84E+07	1.80E+07	2.38E+07	2.36E+07	2.56E+07	2.01E+07	2.09E+07	2.9E+06	2.1E+07	13.6	YES	YES	YES
516,480_8,45	8.60E+07	9.18E+07	8.61E+07	8.96E+07	9.64E+07	9.29E+07	1.07E+08	7.3E+06	9.3E+07	7.9	YES	YES	YES
516,560_10,14	1.99E+08	1.95E+08	2.10E+08	1.98E+08	1.94E+08	2.05E+08	2.04E+08	5.8E+06	2.0E+08	2.9	YES	YES	YES
517,040_0,76	2.51E+07	2.54E+07	2.85E+07	2.71E+07	2.48E+07	1.84E+07	2.31E+07	3.2E+06	2.5E+07	13.1	YES	YES	YES
517,200_9,74	4.03E+07	3.06E+07	3.73E+07	4.34E+07	4.34E+07	4.44E+07	3.99E+07	4.8E+06	4.0E+07	12.0	YES	YES	YES
517,600_8,49	2.65E+07	3.41E+07	2.84E+07	2.71E+07	2.88E+07	3.33E+07	3.56E+07	3.7E+06	3.1E+07	12.1	YES	YES	YES
518,160_10,07	9.01E+07	8.34E+07	9.63E+07	9.46E+07	9.10E+07	9.78E+07	9.01E+07	4.8E+06	9.2E+07	5.3	YES	YES	YES
518,320_9,15	5.61E+08	5.86E+08	5.00E+08	5.76E+08	5.96E+08	5.86E+08	5.56E+08	3.2E+07	5.7E+08	5.7	YES	YES	YES
518,560_9,15	3.69E+08	3.75E+08	3.48E+08	3.64E+08	3.65E+08	3.66E+08	3.47E+08	1.1E+07	3.6E+08	2.9	YES	YES	YES
518,560_10,71	2.03E+09	2.18E+09	2.31E+09	2.27E+09	2.24E+09	2.39E+09	2.41E+09	1.3E+08	2.3E+09	5.8	YES	YES	YES
520,320_10,34	1.73E+09	1.74E+09	1.80E+09	1.75E+09	1.78E+09	1.78E+09	1.85E+09	4.3E+07	1.8E+09	2.4	YES	YES	YES
520,400_9,15	5.06E+07	4.79E+07	4.56E+07	4.95E+07	5.18E+07	4.83E+07	5.01E+07	2.0E+06	4.9E+07	4.1	YES	YES	YES
520,560_10,34	3.47E+09	3.40E+09	3.49E+09	3.48E+09	3.45E+09	3.37E+09	3.47E+09	4.4E+07	3.4E+09	1.3	YES	YES	YES
520,640_11,93	4.39E+07	5.03E+07	4.69E+07	5.03E+07	4.60E+07	4.81E+07	4.43E+07	2.6E+06	4.7E+07	5.5	YES	YES	YES
521,280_11,28	1.39E+08	1.30E+08	1.29E+08	1.39E+08	1.21E+08	1.33E+08	1.28E+08	6.4E+06	1.3E+08	4.9	YES	YES	YES
521,520_10,34	1.51E+09	1.53E+09	1.51E+09	1.48E+09	1.52E+09	1.44E+09	1.44E+09	3.8E+07	1.5E+09	2.5	YES	YES	YES
522,480_10,83	3.74E+09	3.73E+09	3.96E+09	3.95E+09	3.92E+09	3.74E+09	3.74E+09	1.1E+08	3.8E+09	2.9	YES	YES	YES
522,560_7,57	2.31E+07	2.79E+07	3.01E+07	3.18E+07	3.05E+07	2.65E+07	2.99E+07	3.0E+06	2.9E+07	10.4	YES	YES	YES
522,560_10,83	2.31E+09	2.27E+09	2.40E+09	2.40E+09	2.36E+09	2.23E+09	2.32E+09	6.4E+07	2.3E+09	2.8	YES	YES	YES
523,360_7,58	8.25E+06	8.13E+06	8.75E+06	9.50E+06	1.13E+07	1.05E+07	1.00E+07	1.2E+06	9.5E+06	12.4	YES	YES	YES
524,400_9,99	2.53E+08	2.66E+08	2.64E+08	2.54E+08	2.56E+08	2.77E+08	2.58E+08	8.5E+06	2.6E+08	3.3	YES	YES	YES
524,480_10,03	1.48E+08	1.46E+08	1.41E+08	1.47E+08	1.40E+08	1.36E+08	1.37E+08	4.9E+06	1.4E+08	3.4	YES	YES	YES
524,480_10,83	6.29E+08	6.27E+08	6.36E+08	6.16E+08	6.21E+08	6.01E+08	6.21E+08	1.1E+07	6.2E+08	1.8	YES	YES	YES
524,560_11,71	4.51E+09	4.53E+09	4.56E+09	4.53E+09	4.38E+09	4.59E+09	4.42E+09	7.4E+07	4.5E+09	1.6	YES	YES	YES
525,520_11,66	2.08E+09	2.01E+09	2.08E+09	2.09E+09	2.03E+09	2.13E+09	2.03E+09	4.3E+07	2.1E+09	2.1	YES	YES	YES
526,000_10,29	2.24E+08	2.16E+08	2.13E+08	2.04E+08	1.99E+08	2.10E+08	2.00E+08	9.2E+06	2.1E+08	4.4	YES	YES	YES
526,240_8,27	5.25E+06	6.75E+06	5.63E+06	7.88E+06	7.38E+06	8.00E+06	4.38E+06	1.4E+06	6.5E+06	21.7			YES
526,560_10,28	9.85E+08	9.73E+08	9.85E+08	9.83E+08	9.08E+08	9.55E+08	9.81E+08	2.8E+07	9.7E+08	2.9	YES	YES	YES
526,560_11,68	6.19E+08	5.92E+08	6.33E+08	6.10E+08	6.12E+08	6.53E+08	6.06E+08	2.0E+07	6.2E+08	3.2	YES	YES	YES
527,520_10,28	5.13E+08	5.20E+08	4.78E+08	5.12E+08	4.70E+08	4.91E+08	4.90E+08	1.9E+07	5.0E+08	3.9	YES	YES	YES
527,840_10,24	5.06E+08	5.08E+08	4.82E+08	4.98E+08	4.46E+08	4.72E+08	4.64E+08	2.3E+07	4.8E+08	4.8	YES	YES	YES
528,240_8,89	3.40E+07	3.49E+07	3.90E+07	4.28E+07	3.63E+07	3.76E+07	3.54E+07	3.0E+06	3.7E+07	8.1	YES	YES	YES
528,320_10,77	6.18E+07	6.01E+07	5.48E+07	4.91E+07	5.20E+07	5.93E+07	5.90E+07	4.7E+06	5.7E+07	8.3	YES	YES	YES
529,280_7,29	5.00E+06	1.26E+07	8.75E+06	1.11E+07	1.26E+07	1.58E+07	1.63E+07	3.9E+06	1.2E+07	33.5			
530,240_8,94	8.88E+06	9.75E+06	9.13E+06	1.04E+07	1.28E+07	1.01E+07	7.88E+06	1.5E+06	9.8E+06	15.6		YES	YES
530,480_11,09	1.89E+08	1.91E+08	1.86E+08	2.15E+08	1.95E+08	2.15E+08	2.02E+08	1.2E+07	2.0E+08	6.0	YES	YES	YES
530,960_11,20	1.40E+08	1.31E+08	1.27E+08	1.31E+08	1.27E+08	1.29E+08	1.16E+08	7.1E+06	1.3E+08	5.5	YES	YES	YES
531,120_0,84	3.94E+07	2.88E+07	3.05E+07	3.11E+07	2.30E+07	2.48E+07	2.46E+07	5.6E+06	2.9E+07	19.4		YES	YES
532,160_11,23	3.57E+08	3.85E+08	4.05E+08	4.18E+08	4.09E+08	4.45E+08	4.41E+08	3.1E+07	4.1E+08	7.6	YES	YES	YES
533,440_9,92	1.53E+07	1.61E+07	1.34E+07	1.79E+07	1.58E+07	1.53E+07	1.89E+07	1.8E+06	1.6E+07	11.3	YES	YES	YES
533,440_11,22	1.71E+08	1.73E+08	1.78E+08	1.78E+08	1.70E+08	1.89E+08	1.81E+08	6.6E+06	1.8E+08	3.7	YES	YES	YES
534,000_8,75	2.13E+08	2.42E+08	2.19E+08	2.39E+08	2.39E+08	2.04E+08	2.17E+08	1.5E+07	2.2E+08	6.7	YES	YES	YES
534,560_10,51	3.55E+08	3.30E+08	3.36E+08	3.37E+08	3.25E+08	3.39E+08	3.24E+08	1.1E+07	3.4E+08	3.2	YES	YES	YES
534,720_8,39	1.49E+08	1.85E+08	1.70E+08	1.75E+08	1.78E+08	1.78E+08	1.69E+08	1.2E+07	1.7E+08	6.7	YES	YES	YES
534,880_10,70	1.58E+08	1.43E+08	1.50E+08	1.47E+08	1.34E+08	1.52E+08	1.42E+08	7.8E+06	1.5E+08	5.3	YES	YES	YES
536,000_9,21	1.09E+08	1.26E+08	1.08E+08	1.22E+08	1.30E+08	1.41E+08	1.26E+08	1.2E+07	1.2E+08	9.5	YES	YES	YES
536,400_11,26	1.13E+08	1.09E+08	1.20E+08	1.19E+08	1.26E+08	1.48E+08	1.37E+08	1.4E+07	1.2E+08	11.0	YES	YES	YES
536,880_9,94	8.24E+07	8.73E+07	8.23E+07	8.43E+07	8.44E+07	9.20E+07	9.16E+07	4.1E+06	8.6E+07	4.8	YES	YES	YES
537,360_11,32	1.28E+08	1.16E+08	1.24E+08	1.28E+08	1.36E+08	1.47E+08	1.41E+08	1.0E+07	1.3E+08	8.0	YES	YES	YES
538,720_11,93	9.68E+07	1.09E+08	1.14E+08	1.15E+08	1.15E+08	1.06E+08	1.11E+08	6.6E+06	1.1E+08	6.0	YES	YES	YES
539,360_11,92	2.29E+08	2.35E+08	2.21E+08	2.13E+08	2.29E+08	2.52E+08	1.94E+08	1.8E+07	2.2E+08	8.1	YES	YES	YES
539,440_10,34	1.75E+08	1.65E+08	1.58E+08	1.74E+08	1.56E+08	1.98E+08	1.59E+08	1.5E+07	1.7E+08	8.8	YES	YES	YES
540,480_8,44	3.88E+07	4.50E+07	4.54E+07	4.43E+07	4.71E+07	4.13E+07	4.73E+07	3.1E+06	4.4E+07	7.1	YES	YES	YES
540,480_10,04	1.82E+08	1.67E+08	1.69E+08	1.76E+08	1.65E+08	1.68E+08	1.84E+08	7.7E+06	1.7E+08	4.4	YES	YES	YES
540,640_11,58	1.19E+08	1.14E+08	1.18E+08	1.09E+08	1.04E+08	1.10E+08	9.66E+07	7.9E+06	1.1E+08	7.2	YES	YES	YES
541,360_10,05	5.91E+07	4.88E+07	5.48E+07	5.93E+07	5.56E+07	5.70E+07	5.41E+07	3.6E+06	5.6E+07	6.5	YES	YES	YES
541,440_10,81	5.25E+07	4.78E+07	4.90E+07	4.95E+07	4.51E+07	4.56E+07	4.06E+07	3.8E+06	4.7E+07	8.1	YES	YES	YES
542,400_9,23	2.52E+08	2.81E+08	2.49E+08	2.35E+08	2.86E+08	2.37E+08	2.59E+08	2.0E+07	2.6E+08	7.8	YES	YES	YES
542,560_10,34	1.21E+09	1.27E+09	1.33E+09	1.35E+09	1.37E+09	1.33E+09	1.39E+09	6.4E+07	1.3E+09	4.8	YES	YES	YES
542,800_10,34	6.49E+08	6.52E+08	6.76E+08	7.04E+08	6.99E+08	6.35E+08	6.81E+08	2.6E+07	6.7E+08	3.9	YES	YES	YES
543,360_9,35	9.89E+07	1.10E+08	9.73E+07	8.84E+07	1.05E+08	8.98E+07	1.07E+08	8.3E+06	9.9E+07	8.3	YES	YES	YES
544,320_11,68	4.85E+07	3.11E+07	3.58E+07	3.35E+07	3.80E+07	3.69E+07	2.81E+07	6.5E+06	3.6E+07	18.1		YES	YES
544,400_9,42	4.15E+07	4.40E+07	3.69E+07	3.33E+07	4.26E+07	3.49E+07	4.00E+07	4.1E+06	3.9E+07	10.5	YES	YES	YES
544,400_10,98	3.26E+08	2.63E+08	2.71E+08	2.96E+08	3.09E+08	2.85E+08	3.30E+08	2.6E+07	3.0E+08	8.8	YES	YES	YES
544,640_10,24	2.84E+09	2.98E+09	3.03E+09	3.12E+09	2.93E+09	2.95E+09	3.05E+09	8.9E+07	3.0E+09	3.0	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
544,800_10,24	1.55E+09	1.57E+09	1.53E+09	1.63E+09	1.42E+09	1.51E+09	1.56E+09	6.4E+07	1.5E+09	4.1	YES	YES	YES
544,800_11,68	3.11E+07	2.14E+07	2.10E+07	2.20E+07	2.23E+07	2.45E+07	1.81E+07	4.1E+06	2.3E+07	17.8		YES	YES
545,840_10,24	7.00E+08	6.95E+08	6.67E+08	7.21E+08	6.17E+08	6.64E+08	6.37E+08	3.7E+07	6.7E+08	5.5	YES	YES	YES
546,480_11,69	1.77E+09	1.99E+09	2.09E+09	2.20E+09	2.21E+09	2.33E+09	2.34E+09	2.0E+08	2.1E+09	9.5	YES	YES	YES
546,880_10,24	2.66E+08	2.45E+08	2.37E+08	2.50E+08	2.29E+08	2.38E+08	2.28E+08	1.3E+07	2.4E+08	5.5	YES	YES	YES
547,440_6,90	1.49E+07	1.66E+07	1.34E+07	1.09E+07	1.60E+07	1.60E+07	9.50E+06	2.8E+06	1.4E+07	19.9		YES	YES
547,600_11,70	6.99E+08	7.93E+08	8.29E+08	8.83E+08	8.85E+08	9.35E+08	9.46E+08	8.7E+07	8.5E+08	10.2	YES	YES	YES
547,680_11,70	8.06E+08	8.23E+08	8.74E+08	8.96E+08	8.72E+08	8.95E+08	8.75E+08	3.5E+07	8.6E+08	4.0	YES	YES	YES
548,000_10,24	1.02E+08	1.04E+08	9.01E+07	9.45E+07	8.69E+07	9.16E+07	9.20E+07	6.2E+06	9.4E+07	6.6	YES	YES	YES
548,400_9,20	4.45E+07	4.46E+07	3.65E+07	3.89E+07	4.81E+07	3.41E+07	4.84E+07	5.7E+06	4.2E+07	13.5	YES	YES	YES
549,360_9,25	1.84E+07	1.78E+07	1.20E+07	1.04E+07	1.81E+07	1.48E+07	1.65E+07	3.2E+06	1.5E+07	20.6			YES
549,600_11,67	2.37E+08	2.37E+08	2.39E+08	2.41E+08	2.44E+08	2.46E+08	2.18E+08	9.2E+06	2.4E+08	3.9	YES	YES	YES
550,560_8,06	9.24E+07	1.33E+08	1.14E+08	1.28E+08	1.21E+08	1.03E+08	1.25E+08	1.5E+07	1.2E+08	12.5	YES	YES	YES
550,560_10,25	4.02E+08	4.07E+08	4.03E+08	4.02E+08	3.74E+08	3.81E+08	4.16E+08	1.5E+07	4.0E+08	3.7	YES	YES	YES
550,960_0,84	8.88E+06	1.49E+07	8.50E+06	1.23E+07	8.50E+06	8.50E+06	6.63E+06	2.8E+06	9.7E+06	29.0			YES
551,440_10,26	4.11E+08	4.02E+08	3.94E+08	4.11E+08	3.84E+08	3.89E+08	4.14E+08	1.2E+07	4.0E+08	2.9	YES	YES	YES
551,600_8,03	8.75E+06	1.69E+07	1.18E+07	1.54E+07	1.10E+07	1.30E+07	1.68E+07	3.1E+06	1.3E+07	23.2			YES
551,680_11,79	1.31E+08	1.41E+08	1.26E+08	1.29E+08	1.22E+08	1.26E+08	1.31E+08	6.0E+06	1.3E+08	4.6	YES	YES	YES
551,760_10,27	2.03E+08	2.08E+08	1.97E+08	2.14E+08	1.97E+08	1.89E+08	2.22E+08	1.1E+07	2.0E+08	5.5	YES	YES	YES
551,840_11,77	6.80E+07	5.23E+07	5.65E+07	6.65E+07	5.76E+07	6.25E+07	6.15E+07	5.6E+06	6.1E+07	9.3	YES	YES	YES
553,440_10,44	1.39E+08	1.38E+08	1.33E+08	1.39E+08	1.36E+08	1.24E+08	1.91E+08	2.2E+07	1.4E+08	15.4		YES	YES
553,920_10,48	1.07E+08	1.11E+08	9.80E+07	1.09E+08	1.05E+08	8.91E+07	1.13E+08	8.4E+06	1.0E+08	8.0	YES	YES	YES
556,320_10,16	4.89E+07	5.70E+07	6.25E+07	5.75E+07	5.15E+07	5.49E+07	4.96E+07	4.9E+06	5.5E+07	9.0	YES	YES	YES
556,560_11,71	5.86E+07	5.41E+07	5.34E+07	4.91E+07	5.20E+07	6.21E+07	4.53E+07	5.6E+06	5.4E+07	10.5	YES	YES	YES
557,440_11,70	1.04E+08	9.10E+07	9.31E+07	9.65E+07	9.21E+07	9.69E+07	9.01E+07	4.7E+06	9.5E+07	5.0	YES	YES	YES
558,160_10,66	1.02E+08	1.01E+08	9.76E+07	9.08E+07	9.54E+07	9.89E+07	8.98E+07	4.7E+06	9.6E+07	4.9	YES	YES	YES
558,320_9,17	1.81E+08	2.01E+08	1.77E+08	2.20E+08	2.45E+08	2.21E+08	2.24E+08	2.5E+07	2.1E+08	11.7	YES	YES	YES
558,480_10,72	3.26E+08	3.06E+08	2.90E+08	3.16E+08	2.87E+08	3.10E+08	2.89E+08	1.5E+07	3.0E+08	5.0	YES	YES	YES
559,360_9,16	6.85E+07	7.61E+07	6.45E+07	7.93E+07	8.80E+07	7.58E+07	7.91E+07	7.7E+06	7.6E+07	10.1	YES	YES	YES
560,240_10,74	2.30E+08	2.12E+08	1.94E+08	2.19E+08	1.90E+08	2.21E+08	1.90E+08	1.6E+07	2.1E+08	7.8	YES	YES	YES
560,480_10,63	3.06E+08	2.84E+08	2.93E+08	2.93E+08	2.82E+08	2.85E+08	2.64E+08	1.3E+07	2.9E+08	4.6	YES	YES	YES
560,560_8,51	2.47E+08	2.78E+08	2.52E+08	2.63E+08	2.70E+08	2.54E+08	2.59E+08	1.1E+07	2.6E+08	4.2	YES	YES	YES
560,640_11,90	1.69E+08	1.73E+08	1.72E+08	1.74E+08	1.74E+08	1.73E+08	1.51E+08	8.1E+06	1.7E+08	4.8	YES	YES	YES
560,880_10,66	4.22E+08	4.22E+08	4.07E+08	4.11E+08	4.12E+08	4.07E+08	3.74E+08	1.6E+07	4.1E+08	4.0	YES	YES	YES
561,440_8,55	6.14E+07	6.83E+07	6.44E+07	6.70E+07	7.45E+07	6.26E+07	6.10E+07	4.8E+06	6.6E+07	7.3	YES	YES	YES
562,400_10,31	1.54E+08	1.49E+08	1.63E+08	1.55E+08	1.46E+08	1.66E+08	1.49E+08	7.5E+06	1.5E+08	4.9	YES	YES	YES
562,480_11,48	1.31E+08	1.44E+08	1.29E+08	1.22E+08	1.30E+08	1.48E+08	1.33E+08	9.1E+06	1.3E+08	6.8	YES	YES	YES
562,560_8,78	2.86E+07	3.04E+07	2.89E+07	2.88E+07	3.46E+07	2.44E+07	3.06E+07	3.1E+06	2.9E+07	10.4	YES	YES	YES
563,440_8,83	2.80E+07	2.66E+07	3.26E+07	3.10E+07	3.14E+07	2.64E+07	2.89E+07	2.4E+06	2.9E+07	8.3	YES	YES	YES
563,600_10,29	2.08E+08	1.87E+08	1.79E+08	1.92E+08	1.73E+08	1.82E+08	1.71E+08	1.3E+07	1.8E+08	6.9	YES	YES	YES
564,400_10,03	1.78E+08	1.64E+08	1.57E+08	1.69E+08	1.60E+08	1.61E+08	1.68E+08	6.9E+06	1.7E+08	4.2	YES	YES	YES
564,480_8,48	2.63E+07	2.79E+07	2.65E+07	3.29E+07	2.80E+07	3.25E+07	3.66E+07	3.9E+06	3.0E+07	13.1	YES	YES	YES
564,560_10,02	5.73E+07	4.59E+07	5.08E+07	4.96E+07	5.43E+07	5.58E+07	5.88E+07	4.6E+06	5.3E+07	8.7	YES	YES	YES
566,400_9,20	1.54E+08	1.62E+08	1.34E+08	1.36E+08	1.54E+08	1.27E+08	1.55E+08	1.3E+07	1.5E+08	9.2	YES	YES	YES
566,480_7,59	1.11E+07	1.33E+07	1.60E+07	1.43E+07	2.00E+07	1.73E+07	1.71E+07	2.9E+06	1.6E+07	18.9		YES	YES
566,560_10,24	7.71E+08	8.18E+08	8.10E+08	8.69E+08	7.78E+08	8.17E+08	8.71E+08	3.9E+07	8.2E+08	4.8	YES	YES	YES
566,720_0,80	2.04E+08	1.93E+08	1.76E+08	1.76E+08	1.40E+08	1.36E+08	1.39E+08	2.8E+07	1.7E+08	16.8		YES	YES
566,720_11,69	2.01E+08	1.80E+08	1.84E+08	1.74E+08	1.80E+08	1.72E+08	1.62E+08	1.2E+07	1.8E+08	6.9	YES	YES	YES
567,360_9,22	6.18E+07	6.56E+07	5.39E+07	5.40E+07	5.88E+07	4.69E+07	5.83E+07	6.1E+06	5.7E+07	10.7	YES	YES	YES
567,360_11,65	1.01E+08	9.48E+07	9.08E+07	9.29E+07	9.16E+07	9.33E+07	9.53E+07	3.2E+06	9.4E+07	3.4	YES	YES	YES
567,520_10,24	3.26E+08	3.19E+08	3.25E+08	3.54E+08	3.02E+08	3.31E+08	3.49E+08	1.8E+07	3.3E+08	5.4	YES	YES	YES
567,600_7,60	3.88E+06	4.13E+06	4.75E+06	4.63E+06	5.00E+06	5.25E+06	5.50E+06	5.8E+05	4.7E+06	12.3	YES	YES	YES
567,760_11,69	6.05E+07	5.15E+07	5.75E+07	4.48E+07	4.66E+07	4.76E+07	4.55E+07	6.2E+06	5.1E+07	12.3	YES	YES	YES
567,920_0,84	2.18E+07	1.69E+07	1.53E+07	1.81E+07	1.36E+07	1.35E+07	1.08E+07	3.6E+06	1.6E+07	22.9			YES
567,920_11,69	5.48E+07	4.49E+07	5.01E+07	4.88E+07	4.38E+07	4.80E+07	4.74E+07	3.6E+06	4.8E+07	7.5	YES	YES	YES
568,320_9,31	3.38E+07	3.48E+07	3.64E+07	3.29E+07	3.53E+07	2.75E+07	3.59E+07	3.0E+06	3.4E+07	8.9	YES	YES	YES
568,320_10,25	6.74E+08	6.86E+08	6.96E+08	7.24E+08	6.47E+08	6.37E+08	6.84E+08	2.9E+07	6.8E+08	4.3	YES	YES	YES
569,520_10,25	3.07E+08	3.20E+08	3.18E+08	3.26E+08	2.95E+08	2.93E+08	3.28E+08	1.4E+07	3.1E+08	4.6	YES	YES	YES
570,480_11,11	5.26E+07	6.48E+07	7.00E+07	6.35E+07	7.41E+07	7.51E+07	5.64E+07	8.6E+06	6.5E+07	13.1	YES	YES	YES
571,520_10,44	2.04E+08	1.99E+08	2.08E+08	2.04E+08	1.94E+08	1.95E+08	1.87E+08	7.4E+06	2.0E+08	3.7	YES	YES	YES
572,480_9,89	8.65E+07	7.80E+07	7.16E+07	7.53E+07	6.44E+07	6.89E+07	6.66E+07	7.6E+06	7.3E+07	10.4	YES	YES	YES
572,560_10,85	1.54E+08	1.44E+08	1.46E+08	1.39E+08	1.25E+08	1.43E+08	1.30E+08	9.7E+06	1.4E+08	6.9	YES	YES	YES
572,640_11,74	9.89E+07	1.17E+08	1.18E+08	1.15E+08	1.16E+08	1.24E+08	1.03E+08	8.8E+06	1.1E+08	7.8	YES	YES	YES
572,720_11,72	2.08E+08	2.06E+08	2.07E+08	2.13E+08	1.97E+08	2.12E+08	1.94E+08	7.2E+06	2.1E+08	3.5	YES	YES	YES
574,320_10,36	1.18E+08	1.16E+08	1.03E+08	9.93E+07	9.58E+07	9.26E+07	9.01E+07	1.1E+07	1.0E+08	10.8	YES	YES	YES
576,400_10,85	1.86E+08	1.80E+08	1.73E+08	1.74E+08	1.76E+08	1.78E+08	2.12E+08	1.4E+07	1.8E+08	7.5	YES	YES	YES
576,880_9,87	6.45E+07	5.70E+07	5.96E+07	5.54E+07	5.59E+07	5.83E+07	6.46E+07	3.9E+06	5.9E+07	6.5	YES	YES	YES
578,560_8,41	1.01E+08	1.14E+08	9.99E+07	1.15E+08	1.25E+08	1.13E+08	1.20E+08	9.3E+06	1.1E+08	8.3	YES	YES	YES
579,520_8,42	4.88E+07	5.35E+07	4.91E+07	5.51E+07	5.43E+07	5.25E+07	5.65E+07	2.9E+06	5.3E+07	5.6	YES	YES	YES
580,400_10,70	2.18E+08	1.99E+08	1.79E+08	1.73E+08	1.59E+08	1.62E+08	1.70E+08	2.1E+07	1.8E+08	11.8	YES	YES	YES
580,560_8,38	1.24E+07	1.56E+07	1.49E+07	1.43E+07	1.51E+07	1.29E+07	1.09E+07	1.7E+06	1.4E+07	12.6	YES	YES	YES
581,520_6,98	2.23E+07	1.63E+07	1.33E+07	1.86E+07	1.31E+07	1.79E+07	1.13E+07	3.8E+06	1.6E+07	23.8			YES
582,000_10,32	1.53E+08	1.34E+08	1.25E+08	1.32E+08	1.21E+08	1.19E+08	1.30E+08	1.1E+07	1.3E+08	8.6	YES	YES	YES
582,400_9,24	1.32E+08	1.56E+08	1.45E+08	1.49E+08	1.93E+08	1.77E+08	1.96E+08	2.5E+07	1.6E+08	15.1		YES	YES
582,480_10,38	3.90E+08	3.81E+08	3.82E+08	3.81E+08	3.64E+08	3.42E+08	3.76E+08	1.6E+07	3.7E+08	4.3	YES	YES	YES
582,640_10,34	2.57E+08	2.18E+08	2.33E+08	2.27E+08	2.18E+08	2.19E+08	2.19E+08	1.4E+07	2.3E+08	6.3	YES	YES	YES
582,960_0,84	3.48E+07	2.65E+07	2.19E+07	2.58E+07	1.88E+07	2.29E+07	2.11E+07	5.2E+06	2.5E+07	21.4			YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
583,440_9,29	3.85E+07	4.75E+07	3.53E+07	4.06E+07	4.83E+07	4.90E+07	5.58E+07	7.1E+06	4.5E+07	15.8		YES	YES
584,240_10,81	4.30E+08	4.42E+08	4.58E+08	4.63E+08	4.24E+08	4.19E+08	4.20E+08	1.8E+07	4.4E+08	4.1	YES	YES	YES
584,320_9,24	4.48E+07	5.23E+07	4.50E+07	3.60E+07	4.54E+07	4.03E+07	4.76E+07	5.2E+06	4.4E+07	11.7	YES	YES	YES
585,280_10,35	2.22E+08	2.27E+08	2.12E+08	2.42E+08	2.16E+08	2.17E+08	2.18E+08	1.0E+07	2.2E+08	4.5	YES	YES	YES
586,240_10,33	3.30E+08	3.55E+08	3.49E+08	3.58E+08	3.60E+08	3.34E+08	3.48E+08	1.2E+07	3.5E+08	3.4	YES	YES	YES
586,480_11,69	7.56E+07	7.48E+07	7.20E+07	7.35E+07	7.28E+07	8.50E+07	7.39E+07	4.4E+06	7.5E+07	5.9	YES	YES	YES
587,520_11,67	4.65E+07	4.46E+07	4.25E+07	4.15E+07	3.54E+07	4.56E+07	3.56E+07	4.6E+06	4.2E+07	10.9	YES	YES	YES
588,240_10,83	4.28E+08	4.05E+08	4.08E+08	4.12E+08	3.81E+08	3.87E+08	4.07E+08	1.6E+07	4.0E+08	3.9	YES	YES	YES
588,400_10,81	1.95E+08	1.79E+08	1.90E+08	1.89E+08	1.77E+08	1.85E+08	1.87E+08	6.5E+06	1.9E+08	3.5	YES	YES	YES
588,400_11,74	1.04E+08	9.36E+07	9.71E+07	9.79E+07	9.10E+07	1.03E+08	9.13E+07	5.2E+06	9.7E+07	5.4	YES	YES	YES
589,200_11,72	3.01E+07	2.84E+07	2.96E+07	2.85E+07	2.29E+07	2.61E+07	2.80E+07	2.5E+06	2.8E+07	8.9	YES	YES	YES
589,440_10,82	8.73E+07	7.91E+07	8.09E+07	7.78E+07	7.21E+07	7.78E+07	7.09E+07	5.5E+06	7.8E+07	7.0	YES	YES	YES
590,480_10,25	3.29E+08	3.59E+08	3.58E+08	3.51E+08	3.38E+08	3.57E+08	3.69E+08	1.4E+07	3.5E+08	3.9	YES	YES	YES
590,640_10,25	2.30E+08	2.50E+08	2.49E+08	2.45E+08	2.45E+08	2.39E+08	2.70E+08	1.2E+07	2.5E+08	4.9	YES	YES	YES
591,680_11,86	8.08E+07	8.15E+07	8.21E+07	7.96E+07	7.65E+07	7.45E+07	8.43E+07	3.4E+06	8.0E+07	4.2	YES	YES	YES
592,320_10,44	1.78E+08	1.90E+08	1.83E+08	1.84E+08	1.90E+08	1.89E+08	1.85E+08	4.4E+06	1.9E+08	2.4	YES	YES	YES
593,280_10,48	6.09E+07	6.34E+07	6.41E+07	6.45E+07	7.00E+07	6.85E+07	6.45E+07	3.1E+06	6.5E+07	4.8	YES	YES	YES
594,560_8,03	1.84E+07	3.15E+07	2.43E+07	3.04E+07	2.44E+07	2.18E+07	2.85E+07	4.8E+06	2.6E+07	18.6		YES	YES
594,560_10,66	1.51E+08	1.43E+08	1.52E+08	1.43E+08	1.36E+08	1.47E+08	1.35E+08	6.7E+06	1.4E+08	4.6	YES	YES	YES
595,360_10,66	3.67E+08	3.24E+08	3.28E+08	3.27E+08	3.14E+08	3.23E+08	3.06E+08	1.9E+07	3.3E+08	5.9	YES	YES	YES
595,600_8,03	3.13E+06	8.50E+06	6.25E+06	9.75E+06	6.50E+06	6.38E+06	7.88E+06	2.1E+06	6.9E+06	30.5			
596,560_10,71	1.58E+08	1.43E+08	1.38E+08	1.48E+08	1.27E+08	1.35E+08	1.31E+08	1.1E+07	1.4E+08	7.6	YES	YES	YES
598,320_9,15	3.29E+07	3.76E+07	3.75E+07	4.39E+07	3.99E+07	3.93E+07	4.93E+07	5.2E+06	4.0E+07	13.1	YES	YES	YES
598,480_10,24	4.90E+07	4.06E+07	4.23E+07	4.41E+07	3.95E+07	3.81E+07	3.86E+07	3.8E+06	4.2E+07	9.2	YES	YES	YES
599,520_10,67	3.19E+08	2.88E+08	2.77E+08	2.70E+08	2.63E+08	3.05E+08	2.92E+08	2.0E+07	2.9E+08	6.9	YES	YES	YES
600,320_9,16	1.20E+07	1.25E+07	1.09E+07	1.05E+07	1.23E+07	1.29E+07	8.13E+06	1.6E+06	1.1E+07	14.5	YES	YES	YES
600,400_10,75	2.57E+08	2.47E+08	2.48E+08	2.52E+08	2.44E+08	2.55E+08	2.54E+08	4.6E+06	2.5E+08	1.8	YES	YES	YES
600,480_11,51	8.45E+07	7.85E+07	7.99E+07	7.93E+07	7.66E+07	8.50E+07	7.84E+07	3.2E+06	8.0E+07	4.0	YES	YES	YES
602,960_10,53	2.30E+08	2.59E+08	2.66E+08	2.68E+08	2.59E+08	2.41E+08	2.09E+08	2.2E+07	2.5E+08	8.9	YES	YES	YES
603,600_11,87	9.41E+07	1.42E+08	1.27E+08	1.38E+08	1.31E+08	1.22E+08	1.38E+08	1.6E+07	1.3E+08	12.7	YES	YES	YES
604,560_8,52	4.39E+07	4.64E+07	4.51E+07	5.46E+07	4.83E+07	4.63E+07	4.81E+07	3.5E+06	4.8E+07	7.4	YES	YES	YES
604,560_10,69	1.96E+08	1.97E+08	1.98E+08	2.07E+08	1.94E+08	1.85E+08	1.68E+08	1.2E+07	1.9E+08	6.5	YES	YES	YES
604,640_10,73	1.54E+08	1.63E+08	1.59E+08	1.52E+08	1.48E+08	1.45E+08	1.35E+08	9.2E+06	1.5E+08	6.1	YES	YES	YES
605,360_5,56	1.84E+07	2.89E+07	3.21E+07	3.05E+07	3.43E+07	2.50E+07	2.83E+07	5.2E+06	2.8E+07	18.6		YES	YES
605,600_8,53	4.84E+07	4.80E+07	4.95E+07	4.84E+07	5.19E+07	4.95E+07	4.86E+07	1.3E+06	4.9E+07	2.7	YES	YES	YES
606,320_5,56	6.25E+06	1.03E+07	8.75E+06	9.28E+06	8.00E+06	7.38E+06	8.62E+06	1.3E+06	8.4E+06	15.6		YES	YES
606,400_9,25	1.12E+08	1.25E+08	1.13E+08	1.23E+08	1.42E+08	1.38E+08	1.53E+08	1.5E+07	1.3E+08	11.8	YES	YES	YES
606,400_10,24	3.71E+08	3.85E+08	3.67E+08	3.74E+08	3.45E+08	3.41E+08	3.48E+08	1.7E+07	3.6E+08	4.7	YES	YES	YES
607,280_9,23	6.23E+07	5.70E+07	5.71E+07	6.23E+07	6.69E+07	6.53E+07	6.64E+07	4.1E+06	6.2E+07	6.6	YES	YES	YES
607,360_10,26	1.20E+08	1.14E+08	1.10E+08	1.10E+08	9.40E+07	1.02E+08	1.10E+08	8.4E+06	1.1E+08	7.8	YES	YES	YES
608,320_11,66	1.48E+08	1.34E+08	1.30E+08	1.18E+08	1.11E+08	1.17E+08	1.06E+08	1.5E+07	1.2E+08	11.9	YES	YES	YES
608,400_10,27	2.00E+08	2.10E+08	2.08E+08	2.03E+08	1.72E+08	1.86E+08	2.04E+08	1.4E+07	2.0E+08	6.9	YES	YES	YES
609,520_10,24	1.61E+08	1.54E+08	1.43E+08	1.47E+08	1.40E+08	1.54E+08	1.47E+08	7.2E+06	1.5E+08	4.8	YES	YES	YES
610,080_11,45	6.50E+07	6.08E+07	4.95E+07	5.18E+07	5.81E+07	6.50E+07	6.44E+07	6.4E+06	5.9E+07	10.8	YES	YES	YES
610,320_10,11	3.74E+07	3.79E+07	2.91E+07	3.23E+07	3.34E+07	7.90E+07	3.04E+07	1.8E+07	4.0E+07	44.0			
610,320_10,40	7.22E+08	5.86E+08	6.75E+08	7.49E+08	8.63E+08	1.11E+09	1.11E+09	2.1E+08	8.3E+08	25.1			YES
610,400_7,61	5.63E+06	6.75E+06	7.38E+06	6.63E+06	6.63E+06	6.25E+06	7.00E+06	5.6E+05	6.6E+06	8.4	YES	YES	YES
611,280_11,00	5.25E+08	4.41E+08	5.16E+08	5.63E+08	6.68E+08	8.19E+08	8.41E+08	1.6E+08	6.2E+08	25.0			YES
612,320_10,60	3.79E+08	3.11E+08	3.63E+08	3.86E+08	4.62E+08	5.39E+08	5.39E+08	8.9E+07	4.3E+08	21.0			YES
613,360_10,47	2.13E+08	1.97E+08	2.05E+08	2.05E+08	2.26E+08	2.48E+08	2.32E+08	1.8E+07	2.2E+08	8.3	YES	YES	YES
614,480_10,61	1.32E+08	1.27E+08	1.28E+08	1.42E+08	1.41E+08	1.58E+08	1.46E+08	1.1E+07	1.4E+08	7.8	YES	YES	YES
615,200_11,70	1.22E+08	1.35E+08	1.44E+08	1.40E+08	1.38E+08	1.50E+08	1.67E+08	1.4E+07	1.4E+08	9.7	YES	YES	YES
616,400_10,63	3.22E+08	2.87E+08	2.95E+08	3.15E+08	3.09E+08	3.11E+08	4.93E+08	7.1E+07	3.3E+08	21.4			YES
616,560_9,85	4.43E+07	4.04E+07	3.83E+07	4.48E+07	3.75E+07	3.46E+07	5.26E+07	6.0E+06	4.2E+07	14.4	YES	YES	YES
617,200_10,04	1.95E+08	1.99E+08	1.77E+08	1.87E+08	1.79E+08	1.89E+08	2.40E+08	2.1E+07	2.0E+08	10.9	YES	YES	YES
617,520_11,94	1.63E+07	3.11E+07	2.55E+07	2.69E+07	3.10E+07	2.03E+07	4.05E+07	7.9E+06	2.7E+07	29.0			YES
618,480_10,50	1.73E+08	2.17E+08	2.16E+08	2.12E+08	2.11E+08	1.77E+08	2.10E+08	1.9E+07	2.0E+08	9.3	YES	YES	YES
618,560_11,15	3.11E+07	4.20E+07	3.98E+07	3.40E+07	4.21E+07	3.68E+07	5.49E+07	7.7E+06	4.0E+07	19.2		YES	YES
618,880_0,84	1.03E+07	8.50E+06	7.25E+06	9.50E+06	3.38E+06	7.25E+06	5.50E+06	2.4E+06	7.4E+06	32.1			
619,280_9,73	1.22E+08	1.67E+08	1.60E+08	1.60E+08	1.76E+08	1.39E+08	1.61E+08	1.8E+07	1.5E+08	11.9	YES	YES	YES
619,360_11,36	1.31E+08	1.65E+08	1.56E+08	1.57E+08	1.50E+08	1.47E+08	2.19E+08	2.8E+07	1.6E+08	17.2		YES	YES
619,600_11,48	1.41E+08	1.67E+08	1.58E+08	1.55E+08	1.54E+08	1.43E+08	2.09E+08	2.3E+07	1.6E+08	14.3	YES	YES	YES
620,400_9,70	5.58E+07	4.81E+07	5.06E+07	5.38E+07	5.09E+07	5.01E+07	5.44E+07	2.7E+06	5.2E+07	5.2	YES	YES	YES
621,520_9,71	7.24E+07	6.85E+07	6.96E+07	6.75E+07	7.23E+07	7.38E+07	6.50E+07	3.1E+06	7.0E+07	4.5	YES	YES	YES
622,560_8,38	1.31E+08	1.45E+08	1.46E+08	1.57E+08	1.60E+08	1.36E+08	1.59E+08	1.2E+07	1.5E+08	7.8	YES	YES	YES
622,560_11,59	3.13E+08	3.05E+08	2.92E+08	2.94E+08	2.86E+08	2.79E+08	2.65E+08	1.6E+07	2.9E+08	5.5	YES	YES	YES
623,440_10,37	3.58E+08	3.06E+08	2.93E+08	3.07E+08	2.94E+08	2.99E+08	2.88E+08	2.4E+07	3.1E+08	7.7	YES	YES	YES
623,520_10,37	2.27E+08	1.94E+08	1.97E+08	2.10E+08	1.99E+08	1.88E+08	1.85E+08	1.4E+07	2.0E+08	7.2	YES	YES	YES
623,520_11,65	9.88E+07	1.04E+08	1.01E+08	1.03E+08	8.89E+07	9.76E+07	9.84E+07	5.0E+06	9.9E+07	5.0	YES	YES	YES
623,600_8,43	3.25E+07	3.35E+07	3.34E+07	4.19E+07	4.15E+07	3.94E+07	4.13E+07	4.3E+06	3.8E+07	11.4	YES	YES	YES
624,480_10,13	1.98E+07	1.85E+07	2.48E+07	2.18E+07	2.49E+07	2.01E+07	1.98E+07	2.5E+06	2.1E+07	11.9	YES	YES	YES
624,720_11,50	1.16E+08	1.18E+08	1.14E+08	1.08E+08	1.07E+08	1.12E+08	1.09E+08	4.2E+06	1.1E+08	3.8	YES	YES	YES
626,160_10,63	1.89E+08	2.06E+08	1.97E+08	2.07E+08	2.00E+08	1.92E+08	2.09E+08	7.8E+06	2.0E+08	3.9	YES	YES	YES
626,320_10,53	2.24E+08	2.45E+08	2.55E+08	2.55E+08	2.55E+08	2.57E+08	2.82E+08	1.7E+07	2.5E+08	6.8	YES	YES	YES
627,360_10,48	4.44E+07	5.20E+07	4.79E+07	5.63E+07	4.83E+07	5.05E+07	4.98E+07	3.7E+06	5.0E+07	7.4	YES	YES	YES
627,760_11,64	1.25E+08	1.34E+08	1.03E+08	1.22E+08	1.36E+08	1.33E+08	1.16E+08	1.2E+07	1.2E+08	9.5	YES	YES	YES
628,400_10,50	1.66E+08	1.70E+08	1.76E+08	1.89E+08	1.71E+08	1.77E+08	1.73E+08	7.5E+06	1.7E+08	4.3	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
628,720_11,71	6.46E+07	7.18E+07	6.29E+07	6.36E+07	6.85E+07	7.05E+07	5.91E+07	4.5E+06	6.6E+07	6.9	YES	YES	YES
629,280_10,50	7.33E+07	7.16E+07	7.04E+07	6.93E+07	6.85E+07	7.46E+07	6.81E+07	2.5E+06	7.1E+07	3.5	YES	YES	YES
630,400_10,25	1.30E+08	1.29E+08	1.42E+08	1.26E+08	1.18E+08	1.39E+08	1.31E+08	8.1E+06	1.3E+08	6.2	YES	YES	YES
631,280_10,23	9.60E+07	9.29E+07	9.95E+07	9.41E+07	8.73E+07	9.33E+07	1.07E+08	6.2E+06	9.6E+07	6.5	YES	YES	YES
632,320_10,27	1.86E+08	1.57E+08	1.66E+08	1.65E+08	1.51E+08	1.56E+08	1.59E+08	1.1E+07	1.6E+08	6.9	YES	YES	YES
632,400_11,72	1.22E+08	1.02E+08	9.99E+07	1.04E+08	9.93E+07	1.01E+08	9.19E+07	9.3E+06	1.0E+08	9.0	YES	YES	YES
633,280_10,25	1.03E+08	9.49E+07	9.95E+07	8.55E+07	8.74E+07	8.54E+07	8.80E+07	7.2E+06	9.2E+07	7.9	YES	YES	YES
634,320_11,67	1.74E+08	1.67E+08	1.61E+08	1.66E+08	1.49E+08	1.61E+08	1.57E+08	7.9E+06	1.6E+08	4.9	YES	YES	YES
634,400_10,23	1.58E+08	1.51E+08	1.44E+08	1.44E+08	1.34E+08	1.43E+08	1.37E+08	8.3E+06	1.4E+08	5.8	YES	YES	YES
634,960_0,84	1.01E+08	1.19E+08	9.86E+07	1.04E+08	7.90E+07	7.65E+07	7.65E+07	1.6E+07	9.4E+07	17.6		YES	YES
635,360_10,23	1.02E+08	9.95E+07	9.46E+07	1.05E+08	9.71E+07	9.26E+07	1.01E+08	4.4E+06	9.9E+07	4.5	YES	YES	YES
635,920_0,84	1.15E+07	1.09E+07	9.50E+06	1.38E+07	1.10E+07	9.63E+06	7.88E+06	1.9E+06	1.1E+07	17.5		YES	YES
636,240_11,68	5.30E+07	6.04E+07	5.41E+07	4.88E+07	4.31E+07	5.19E+07	4.81E+07	5.4E+06	5.1E+07	10.6	YES	YES	YES
636,480_10,56	6.80E+07	7.08E+07	6.40E+07	6.31E+07	5.64E+07	5.13E+07	4.99E+07	8.1E+06	6.0E+07	13.4	YES	YES	YES
637,600_10,09	5.88E+07	5.99E+07	6.01E+07	6.04E+07	6.14E+07	6.14E+07	5.73E+07	1.5E+06	6.0E+07	2.5	YES	YES	YES
638,640_8,03	5.50E+06	8.38E+06	6.88E+06	9.25E+06	8.13E+06	6.63E+06	9.13E+06	1.4E+06	7.7E+06	18.2		YES	YES
638,640_10,18	1.72E+08	1.63E+08	1.65E+08	1.62E+08	1.52E+08	1.53E+08	1.42E+08	1.0E+07	1.6E+08	6.3	YES	YES	YES
638,640_11,45	1.13E+08	1.18E+08	1.21E+08	1.13E+08	1.12E+08	1.14E+08	1.14E+08	3.2E+06	1.1E+08	2.8	YES	YES	YES
639,680_10,23	3.80E+07	4.18E+07	4.00E+07	3.68E+07	3.45E+07	3.56E+07	3.71E+07	2.5E+06	3.8E+07	6.6	YES	YES	YES
639,680_11,98	3.39E+08	3.47E+08	3.42E+08	3.16E+08	3.46E+08	4.26E+08	2.92E+08	4.2E+07	3.4E+08	12.1	YES	YES	YES
639,760_11,95	1.72E+08	1.94E+08	1.88E+08	1.70E+08	1.78E+08	2.38E+08	1.37E+08	3.1E+07	1.8E+08	16.8		YES	YES
640,400_10,21	3.36E+07	3.53E+07	3.54E+07	3.54E+07	3.21E+07	3.25E+07	2.83E+07	2.6E+06	3.3E+07	7.8	YES	YES	YES
641,440_11,19	7.53E+07	7.41E+07	7.20E+07	8.59E+07	8.00E+07	7.01E+07	8.96E+07	7.3E+06	7.8E+07	9.4	YES	YES	YES
641,520_11,96	3.88E+07	4.18E+07	4.04E+07	4.54E+07	3.35E+07	3.49E+07	5.55E+07	7.4E+06	4.1E+07	17.8		YES	YES
642,560_10,81	1.46E+08	1.45E+08	1.44E+08	1.67E+08	1.42E+08	1.13E+08	1.21E+08	1.8E+07	1.4E+08	12.8	YES	YES	YES
642,560_11,94	2.88E+07	2.94E+07	2.85E+07	2.64E+07	2.39E+07	2.36E+07	3.26E+07	3.2E+06	2.8E+07	11.6	YES	YES	YES
643,600_11,37	2.34E+08	4.03E+08	4.01E+08	4.16E+08	4.18E+08	3.50E+08	2.38E+08	8.2E+07	3.5E+08	23.4			YES
644,320_11,61	8.60E+07	1.31E+08	1.31E+08	1.48E+08	1.38E+08	1.05E+08	1.75E+08	2.9E+07	1.3E+08	21.9			YES
644,400_10,86	1.22E+08	1.57E+08	1.56E+08	1.59E+08	1.54E+08	1.47E+08	9.38E+07	2.5E+07	1.4E+08	17.4		YES	YES
644,640_11,55	2.87E+08	4.73E+08	4.42E+08	4.75E+08	4.58E+08	3.63E+08	3.89E+08	7.0E+07	4.1E+08	16.9		YES	YES
645,440_9,91	1.35E+08	2.18E+08	2.18E+08	2.28E+08	2.16E+08	1.86E+08	1.48E+08	3.8E+07	1.9E+08	19.5		YES	YES
645,520_11,51	2.94E+08	4.70E+08	4.54E+08	4.65E+08	4.44E+08	3.96E+08	4.80E+08	6.6E+07	4.3E+08	15.3		YES	YES
645,760_11,54	2.89E+08	4.09E+08	3.81E+08	3.97E+08	3.70E+08	3.43E+08	3.80E+08	4.0E+07	3.7E+08	11.0	YES	YES	YES
646,560_11,05	1.92E+08	2.53E+08	2.33E+08	2.38E+08	2.27E+08	2.20E+08	2.39E+08	1.9E+07	2.3E+08	8.4	YES	YES	YES
647,520_10,30	1.37E+08	1.35E+08	1.33E+08	1.43E+08	1.27E+08	1.28E+08	1.20E+08	7.5E+06	1.3E+08	5.7	YES	YES	YES
647,520_11,52	2.15E+08	2.47E+08	2.41E+08	2.43E+08	2.29E+08	2.29E+08	2.41E+08	1.1E+07	2.3E+08	4.7	YES	YES	YES
647,680_10,31	3.30E+08	3.34E+08	3.18E+08	3.19E+08	2.87E+08	2.96E+08	2.86E+08	2.0E+07	3.1E+08	6.5	YES	YES	YES
648,480_8,47	2.50E+07	2.53E+07	2.56E+07	3.01E+07	2.43E+07	2.15E+07	2.79E+07	2.7E+06	2.6E+07	10.6	YES	YES	YES
648,480_10,30	1.39E+08	1.48E+08	1.32E+08	1.31E+08	1.21E+08	1.20E+08	1.12E+08	1.2E+07	1.3E+08	9.7	YES	YES	YES
649,360_11,47	4.84E+07	5.53E+07	5.50E+07	5.21E+07	5.58E+07	5.35E+07	5.43E+07	2.6E+06	5.3E+07	4.8	YES	YES	YES
649,600_8,51	1.20E+07	1.15E+07	1.30E+07	1.30E+07	1.38E+07	1.05E+07	1.30E+07	1.1E+06	1.2E+07	9.0	YES	YES	YES
650,400_10,36	3.38E+08	3.37E+08	3.45E+08	3.27E+08	3.06E+08	3.17E+08	2.88E+08	2.0E+07	3.2E+08	6.3	YES	YES	YES
650,640_8,75	1.39E+07	1.74E+07	1.68E+07	1.85E+07	1.53E+07	1.75E+07	1.11E+07	2.6E+06	1.6E+07	16.3		YES	YES
650,880_0,84	1.66E+07	1.51E+07	1.64E+07	1.65E+07	1.24E+07	9.13E+06	1.06E+07	3.1E+06	1.4E+07	22.4			YES
651,360_10,38	6.49E+07	6.85E+07	6.24E+07	6.41E+07	5.95E+07	6.08E+07	6.30E+07	2.9E+06	6.3E+07	4.7	YES	YES	YES
652,160_10,84	2.32E+08	2.41E+08	2.13E+08	2.21E+08	2.09E+08	2.12E+08	2.05E+08	1.3E+07	2.2E+08	6.0	YES	YES	YES
652,400_10,89	2.18E+08	2.38E+08	2.37E+08	2.41E+08	2.31E+08	2.21E+08	2.22E+08	9.4E+06	2.3E+08	4.1	YES	YES	YES
652,960_11,17	1.90E+08	1.87E+08	1.74E+08	1.90E+08	1.88E+08	1.79E+08	1.64E+08	1.0E+07	1.8E+08	5.5	YES	YES	YES
654,240_11,64	4.16E+08	4.62E+08	4.51E+08	4.72E+08	4.63E+08	4.65E+08	4.51E+08	1.9E+07	4.5E+08	4.1	YES	YES	YES
654,480_10,81	2.29E+08	2.56E+08	2.49E+08	2.86E+08	2.53E+08	2.61E+08	2.33E+08	1.9E+07	2.5E+08	7.5	YES	YES	YES
656,240_11,63	2.83E+08	3.27E+08	2.98E+08	3.22E+08	2.94E+08	3.14E+08	2.93E+08	1.6E+07	3.0E+08	5.3	YES	YES	YES
657,280_11,27	1.21E+08	1.27E+08	1.17E+08	1.21E+08	1.17E+08	1.14E+08	1.08E+08	5.9E+06	1.2E+08	5.0	YES	YES	YES
658,400_11,67	2.01E+08	2.12E+08	2.14E+08	2.23E+08	2.02E+08	2.12E+08	2.11E+08	7.4E+06	2.1E+08	3.5	YES	YES	YES
658,560_10,55	9.49E+07	9.53E+07	9.23E+07	9.53E+07	8.49E+07	9.01E+07	7.45E+07	7.6E+06	9.0E+07	8.5	YES	YES	YES
659,520_9,74	9.11E+07	9.75E+07	9.36E+07	1.08E+08	1.02E+08	9.79E+07	7.83E+07	9.3E+06	9.5E+07	9.8	YES	YES	YES
659,600_11,15	1.61E+08	1.81E+08	1.83E+08	1.76E+08	1.78E+08	1.78E+08	1.82E+08	7.7E+06	1.8E+08	4.4	YES	YES	YES
660,320_9,91	3.86E+07	3.64E+07	3.78E+07	3.98E+07	3.60E+07	3.80E+07	3.26E+07	2.3E+06	3.7E+07	6.3	YES	YES	YES
661,520_11,51	7.60E+07	8.56E+07	7.66E+07	7.79E+07	7.34E+07	8.18E+07	6.94E+07	5.3E+06	7.7E+07	6.9	YES	YES	YES
663,280_10,63	8.50E+07	9.19E+07	6.71E+07	7.95E+07	7.90E+07	6.59E+07	6.29E+07	1.1E+07	7.6E+07	14.3	YES	YES	YES
664,640_11,32	1.49E+08	1.48E+08	1.30E+08	1.26E+08	1.18E+08	1.22E+08	1.06E+08	1.5E+07	1.3E+08	12.0	YES	YES	YES
666,560_10,99	3.45E+08	3.25E+08	3.26E+08	2.99E+08	3.07E+08	3.00E+08	2.73E+08	2.3E+07	3.1E+08	7.5	YES	YES	YES
666,640_8,44	3.05E+07	3.00E+07	2.98E+07	3.41E+07	2.89E+07	3.28E+07	3.28E+07	1.9E+06	3.1E+07	6.2	YES	YES	YES
667,600_8,42	1.34E+07	1.33E+07	1.06E+07	1.56E+07	1.46E+07	1.28E+07	1.36E+07	1.6E+06	1.3E+07	11.7	YES	YES	YES
668,240_10,96	2.14E+08	2.21E+08	2.10E+08	2.04E+08	1.95E+08	2.02E+08	1.65E+08	1.8E+07	2.0E+08	9.0	YES	YES	YES
669,760_11,86	1.56E+08	1.58E+08	1.48E+08	1.40E+08	1.46E+08	1.49E+08	1.33E+08	8.8E+06	1.5E+08	6.0	YES	YES	YES
670,720_11,80	2.29E+08	2.42E+08	2.00E+08	2.03E+08	1.96E+08	2.00E+08	1.84E+08	2.0E+07	2.1E+08	9.9	YES	YES	YES
670,800_11,90	2.35E+08	2.55E+08	1.96E+08	2.17E+08	2.00E+08	1.98E+08	1.80E+08	2.6E+07	2.1E+08	12.2	YES	YES	YES
672,480_11,12	1.66E+08	1.69E+08	1.34E+08	1.48E+08	1.31E+08	1.38E+08	1.35E+08	1.5E+07	1.5E+08	10.6	YES	YES	YES
673,520_11,13	1.70E+08	1.70E+08	1.50E+08	1.36E+08	1.28E+08	1.32E+08	1.26E+08	1.9E+07	1.4E+08	13.3	YES	YES	YES
674,240_10,26	6.49E+07	6.06E+07	6.39E+07	5.78E+07	5.26E+07	5.84E+07	6.04E+07	4.1E+06	6.0E+07	6.9	YES	YES	YES
674,800_11,91	1.80E+08	1.72E+08	1.78E+08	1.51E+08	1.44E+08	1.45E+08	1.31E+08	1.9E+07	1.6E+08	12.2	YES	YES	YES
675,440_10,13	2.30E+07	2.34E+07	2.49E+07	2.36E+07	2.15E+07	2.16E+07	2.53E+07	1.4E+06	2.3E+07	6.2	YES	YES	YES
675,600_11,99	1.02E+08	1.02E+08	1.02E+08	9.35E+07	8.70E+07	8.03E+07	7.11E+07	1.2E+07	9.1E+07	13.3	YES	YES	YES
676,320_10,60	1.11E+08	1.17E+08	1.18E+08	1.10E+08	9.90E+07	9.60E+07	9.85E+07	9.3E+06	1.1E+08	8.7	YES	YES	YES
676,640_6,85	2.51E+07	1.73E+07	2.53E+07	2.51E+07	2.15E+07	1.83E+07	1.36E+07	4.6E+06	2.1E+07	22.1			YES
676,720_11,63	2.28E+08	2.26E+08	2.19E+08	2.38E+08	2.12E+08	2.31E+08	2.01E+08	1.2E+07	2.2E+08	5.6	YES	YES	YES
678,240_10,16	9.44E+07	9.48E+07	8.98E+07	9.65E+07	8.76E+07	8.74E+07	8.05E+07	5.6E+06	9.0E+07	6.2	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
678,560_11,51	2.49E+08	2.40E+08	2.23E+08	2.16E+08	1.92E+08	2.05E+08	1.78E+08	2.5E+07	2.1E+08	11.8	YES	YES	YES
679,360_9,71	2.71E+07	2.50E+07	2.63E+07	2.36E+07	2.89E+07	2.75E+07	2.83E+07	1.8E+06	2.7E+07	6.9	YES	YES	YES
680,640_11,88	2.39E+08	2.34E+08	2.46E+08	2.31E+08	2.26E+08	2.15E+08	2.08E+08	1.3E+07	2.3E+08	5.9	YES	YES	YES
682,560_11,44	1.48E+08	1.59E+08	1.49E+08	1.46E+08	1.44E+08	1.62E+08	1.45E+08	7.1E+06	1.5E+08	4.7	YES	YES	YES
684,320_10,56	5.89E+07	5.58E+07	5.00E+07	5.20E+07	4.74E+07	5.14E+07	4.16E+07	5.6E+06	5.1E+07	11.0	YES	YES	YES
685,440_11,85	3.23E+08	3.03E+08	2.91E+08	2.89E+08	2.88E+08	2.86E+08	2.70E+08	1.6E+07	2.9E+08	5.5	YES	YES	YES
686,880_0,84	1.30E+07	1.14E+07	1.04E+07	1.61E+07	1.14E+07	9.38E+06	8.88E+06	2.5E+06	1.2E+07	21.4			YES
689,600_12,00	1.89E+08	2.11E+08	2.19E+08	1.76E+08	1.75E+08	2.12E+08	1.53E+08	2.4E+07	1.9E+08	12.8	YES	YES	YES
690,240_11,98	1.23E+08	1.50E+08	1.40E+08	1.25E+08	1.21E+08	1.40E+08	1.09E+08	1.4E+07	1.3E+08	10.8	YES	YES	YES
691,600_11,84	1.17E+08	1.17E+08	1.25E+08	1.17E+08	9.90E+07	1.16E+08	9.75E+07	1.0E+07	1.1E+08	9.2	YES	YES	YES
692,320_10,16	1.70E+07	1.75E+07	2.13E+07	2.05E+07	1.64E+07	1.78E+07	1.49E+07	2.3E+06	1.8E+07	12.6	YES	YES	YES
692,560_8,51	1.05E+07	1.36E+07	1.00E+07	1.36E+07	1.29E+07	1.28E+07	1.56E+07	1.9E+06	1.3E+07	15.2		YES	YES
693,440_11,37	1.40E+08	1.55E+08	1.44E+08	1.37E+08	1.35E+08	1.52E+08	1.34E+08	8.3E+06	1.4E+08	5.8	YES	YES	YES
694,320_10,57	9.91E+07	1.09E+08	1.15E+08	1.07E+08	1.04E+08	1.16E+08	1.17E+08	6.8E+06	1.1E+08	6.2	YES	YES	YES
694,400_11,78	1.76E+08	1.76E+08	1.67E+08	1.77E+08	1.58E+08	1.83E+08	1.63E+08	8.9E+06	1.7E+08	5.2	YES	YES	YES
695,360_6,86	2.29E+07	1.74E+07	2.19E+07	2.40E+07	1.93E+07	1.23E+07	1.21E+07	4.9E+06	1.9E+07	26.3			YES
695,360_10,50	2.68E+07	3.70E+07	2.85E+07	3.35E+07	3.14E+07	3.54E+07	3.16E+07	3.6E+06	3.2E+07	11.3	YES	YES	YES
696,240_10,49	8.29E+07	9.31E+07	9.70E+07	9.95E+07	8.29E+07	9.56E+07	8.41E+07	7.2E+06	9.1E+07	8.0	YES	YES	YES
696,240_10,65	2.91E+08	3.06E+08	2.99E+08	2.96E+08	2.96E+08	2.96E+08	2.73E+08	1.0E+07	2.9E+08	3.5	YES	YES	YES
696,400_10,49	1.69E+08	1.91E+08	1.78E+08	1.79E+08	1.74E+08	1.93E+08	1.71E+08	9.4E+06	1.8E+08	5.3	YES	YES	YES
698,240_10,49	2.72E+08	2.84E+08	2.76E+08	2.57E+08	2.43E+08	2.66E+08	2.43E+08	1.6E+07	2.6E+08	6.1	YES	YES	YES
698,320_10,27	1.85E+08	1.86E+08	1.86E+08	1.71E+08	1.63E+08	1.75E+08	1.62E+08	1.1E+07	1.8E+08	6.0	YES	YES	YES
699,520_11,15	1.28E+08	1.14E+08	1.19E+08	1.14E+08	1.07E+08	1.10E+08	1.01E+08	8.8E+06	1.1E+08	7.8	YES	YES	YES
699,840_11,80	1.78E+08	1.83E+08	1.59E+08	1.53E+08	1.53E+08	1.60E+08	1.47E+08	1.3E+07	1.6E+08	8.3	YES	YES	YES
700,320_10,24	3.98E+07	4.05E+07	3.75E+07	3.01E+07	3.09E+07	3.34E+07	2.63E+07	5.4E+06	3.4E+07	15.8		YES	YES
701,520_11,83	9.59E+07	9.19E+07	8.45E+07	8.09E+07	7.81E+07	8.03E+07	7.28E+07	8.0E+06	8.3E+07	9.6	YES	YES	YES
702,400_10,38	1.61E+08	1.97E+08	2.23E+08	1.82E+08	1.27E+08	2.00E+08	1.64E+08	3.2E+07	1.8E+08	17.6		YES	YES
702,880_0,84	1.36E+08	1.13E+08	1.18E+08	1.25E+08	1.02E+08	9.87E+07	9.32E+07	1.5E+07	1.1E+08	13.7	YES	YES	YES
703,440_11,89	1.29E+08	9.44E+07	9.78E+07	9.83E+07	8.54E+07	8.41E+07	8.19E+07	1.6E+07	9.6E+07	16.8		YES	YES
703,840_0,84	1.31E+07	1.35E+07	1.51E+07	1.28E+07	1.10E+07	1.03E+07	8.88E+06	2.1E+06	1.2E+07	17.7		YES	YES
704,320_10,56	2.27E+08	1.95E+08	1.79E+08	1.73E+08	1.55E+08	1.70E+08	1.42E+08	2.8E+07	1.8E+08	15.6		YES	YES
705,680_11,97	1.70E+08	1.54E+08	1.75E+08	1.43E+08	1.35E+08	1.35E+08	1.19E+08	2.0E+07	1.5E+08	13.8	YES	YES	YES
706,800_11,97	1.62E+08	1.60E+08	1.77E+08	1.44E+08	1.42E+08	1.44E+08	1.28E+08	1.6E+07	1.5E+08	10.7	YES	YES	YES
708,400_11,25	2.58E+08	2.65E+08	2.53E+08	2.48E+08	2.42E+08	2.42E+08	2.27E+08	1.2E+07	2.5E+08	5.0	YES	YES	YES
709,680_11,53	3.21E+08	3.16E+08	3.05E+08	2.89E+08	2.70E+08	2.78E+08	2.63E+08	2.3E+07	2.9E+08	7.9	YES	YES	YES
709,920_10,64	3.61E+08	3.23E+08	3.06E+08	2.93E+08	2.86E+08	2.97E+08	2.74E+08	2.9E+07	3.1E+08	9.4	YES	YES	YES
710,400_6,71	3.03E+07	2.48E+07	1.04E+07	2.20E+07	1.40E+07	3.35E+07	1.46E+07	8.7E+06	2.1E+07	40.9			
710,560_8,41	1.35E+07	1.40E+07	1.41E+07	1.29E+07	1.88E+07	1.28E+07	1.35E+07	2.1E+06	1.4E+07	14.5	YES	YES	YES
711,440_6,70	9.38E+06	6.75E+06	4.13E+06	5.88E+06	4.38E+06	1.13E+07	4.88E+06	2.7E+06	6.7E+06	40.6			
711,440_11,82	2.64E+08	2.72E+08	2.52E+08	2.49E+08	2.33E+08	2.46E+08	2.23E+08	1.7E+07	2.5E+08	6.8	YES	YES	YES
711,600_11,80	2.51E+08	2.87E+08	2.66E+08	2.73E+08	2.61E+08	2.69E+08	2.19E+08	2.2E+07	2.6E+08	8.3	YES	YES	YES
711,600_12,00	1.41E+08	1.84E+08	1.70E+08	1.80E+08	1.62E+08	1.60E+08	1.39E+08	1.8E+07	1.6E+08	10.8	YES	YES	YES
713,520_11,57	2.92E+08	3.41E+08	3.16E+08	3.46E+08	3.04E+08	3.15E+08	2.65E+08	2.8E+07	3.1E+08	9.0	YES	YES	YES
714,240_10,52	1.33E+08	1.43E+08	1.31E+08	1.29E+08	1.27E+08	1.27E+08	1.11E+08	9.6E+06	1.3E+08	7.5	YES	YES	YES
714,480_11,75	1.80E+08	1.86E+08	1.77E+08	1.82E+08	1.64E+08	1.70E+08	1.57E+08	1.0E+07	1.7E+08	6.0	YES	YES	YES
715,680_11,47	1.55E+08	1.54E+08	1.40E+08	1.40E+08	1.34E+08	1.41E+08	1.29E+08	9.5E+06	1.4E+08	6.7	YES	YES	YES
716,240_10,47	7.38E+07	7.06E+07	6.78E+07	6.88E+07	6.35E+07	6.79E+07	6.84E+07	3.1E+06	6.9E+07	4.5	YES	YES	YES
716,880_11,77	1.73E+08	1.68E+08	1.73E+08	1.64E+08	1.47E+08	1.57E+08	1.37E+08	1.4E+07	1.6E+08	8.6	YES	YES	YES
717,600_12,00	1.26E+08	1.33E+08	1.34E+08	1.30E+08	1.15E+08	1.25E+08	1.15E+08	7.9E+06	1.3E+08	6.3	YES	YES	YES
718,320_10,38	1.45E+08	1.53E+08	1.53E+08	1.44E+08	1.42E+08	1.51E+08	1.31E+08	8.0E+06	1.5E+08	5.5	YES	YES	YES
718,800_11,91	1.21E+08	1.26E+08	1.18E+08	1.16E+08	1.12E+08	1.10E+08	9.76E+07	9.2E+06	1.1E+08	8.0	YES	YES	YES
718,880_0,84	1.69E+07	1.43E+07	1.75E+07	1.61E+07	1.38E+07	1.36E+07	1.35E+07	1.7E+06	1.5E+07	11.2	YES	YES	YES
719,120_10,39	1.01E+08	8.98E+07	8.46E+07	7.28E+07	8.31E+07	8.48E+07	7.19E+07	9.8E+06	8.4E+07	11.7	YES	YES	YES
719,600_12,00	2.30E+08	2.33E+08	2.17E+08	2.22E+08	2.03E+08	2.10E+08	1.89E+08	1.5E+07	2.1E+08	7.2	YES	YES	YES
720,240_10,84	4.71E+08	4.75E+08	4.77E+08	4.64E+08	4.44E+08	4.44E+08	4.19E+08	2.2E+07	4.6E+08	4.7	YES	YES	YES
721,680_11,99	1.43E+08	1.41E+08	1.43E+08	1.41E+08	1.29E+08	1.26E+08	1.30E+08	7.5E+06	1.4E+08	5.5	YES	YES	YES
722,080_10,86	2.04E+08	1.83E+08	1.99E+08	1.85E+08	1.84E+08	1.68E+08	1.57E+08	1.6E+07	1.8E+08	8.9	YES	YES	YES
722,240_11,41	1.35E+08	1.45E+08	1.43E+08	1.37E+08	1.28E+08	1.26E+08	1.27E+08	7.7E+06	1.3E+08	5.7	YES	YES	YES
722,320_11,67	3.06E+08	3.16E+08	3.27E+08	3.24E+08	2.95E+08	3.20E+08	2.94E+08	1.4E+07	3.1E+08	4.4	YES	YES	YES
722,640_11,73	1.31E+08	1.43E+08	1.29E+08	1.33E+08	1.21E+08	1.29E+08	1.19E+08	8.2E+06	1.3E+08	6.4	YES	YES	YES
723,520_11,52	2.18E+08	2.14E+08	2.30E+08	2.15E+08	2.01E+08	2.23E+08	1.86E+08	1.5E+07	2.1E+08	6.8	YES	YES	YES
724,240_11,81	2.76E+08	2.79E+08	2.70E+08	2.76E+08	2.46E+08	2.67E+08	2.55E+08	1.2E+07	2.7E+08	4.6	YES	YES	YES
724,320_11,75	2.97E+08	2.71E+08	2.46E+08	2.55E+08	2.42E+08	2.50E+08	2.33E+08	2.2E+07	2.6E+08	8.5	YES	YES	YES
726,320_11,43	3.34E+08	2.84E+08	2.45E+08	2.45E+08	2.45E+08	2.64E+08	2.36E+08	3.4E+07	2.6E+08	13.0	YES	YES	YES
727,520_11,81	3.93E+08	2.74E+08	2.53E+08	2.69E+08	2.50E+08	2.62E+08	2.24E+08	5.5E+07	2.7E+08	19.9		YES	YES
727,920_11,86	4.83E+08	3.29E+08	3.26E+08	3.13E+08	2.92E+08	3.12E+08	2.30E+08	7.7E+07	3.3E+08	23.5			YES
728,560_11,96	3.64E+08	2.60E+08	2.44E+08	2.56E+08	2.43E+08	2.44E+08	1.83E+08	5.4E+07	2.6E+08	21.1			YES
729,440_11,80	1.51E+08	1.30E+08	1.22E+08	1.32E+08	1.24E+08	1.19E+08	1.07E+08	1.4E+07	1.3E+08	10.9	YES	YES	YES
730,640_11,52	2.08E+08	3.28E+08	3.00E+08	2.58E+08	2.57E+08	3.72E+08	2.07E+08	6.1E+07	2.8E+08	22.3			YES
731,520_11,48	1.32E+08	2.02E+08	1.82E+08	1.66E+08	1.53E+08	2.16E+08	1.09E+08	3.8E+07	1.7E+08	22.8			YES
732,720_11,51	2.00E+08	2.21E+08	2.05E+08	1.92E+08	1.74E+08	1.88E+08	1.61E+08	2.0E+07	1.9E+08	10.3	YES	YES	YES
734,080_11,88	2.27E+08	2.30E+08	2.43E+08	1.93E+08	1.84E+08	1.83E+08	1.53E+08	3.2E+07	2.0E+08	15.9		YES	YES
735,520_11,46	2.69E+08	2.63E+08	2.81E+08	2.33E+08	2.31E+08	2.22E+08	2.04E+08	2.8E+07	2.4E+08	11.6	YES	YES	YES
735,600_11,56	2.04E+08	1.91E+08	1.94E+08	1.74E+08	1.84E+08	1.77E+08	1.52E+08	1.7E+07	1.8E+08	9.2	YES	YES	YES
735,680_11,96	5.45E+07	5.58E+07	5.50E+07	5.55E+07	4.81E+07	4.46E+07	4.88E+07	4.5E+06	5.2E+07	8.7	YES	YES	YES
735,840_11,91	1.95E+08	1.81E+08	1.82E+08	1.59E+08	1.60E+08	1.60E+08	1.46E+08	1.7E+07	1.7E+08	10.2	YES	YES	YES
737,440_11,53	2.55E+08	2.46E+08	2.42E+08	2.33E+08	2.15E+08	2.12E+08	2.00E+08	2.0E+07	2.3E+08	8.9	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
737,680_11,82	3.35E+08	3.32E+08	3.16E+08	3.08E+08	3.03E+08	2.98E+08	2.75E+08	2.1E+07	3.1E+08	6.6	YES	YES	YES
739,360_11,58	2.37E+08	2.50E+08	2.47E+08	2.06E+08	2.02E+08	2.05E+08	1.92E+08	2.4E+07	2.2E+08	11.0	YES	YES	YES
740,320_10,36	1.12E+08	1.06E+08	1.12E+08	1.07E+08	1.01E+08	1.03E+08	9.23E+07	6.9E+06	1.0E+08	6.6	YES	YES	YES
740,560_11,54	7.29E+07	7.18E+07	6.66E+07	5.86E+07	6.28E+07	5.69E+07	5.73E+07	6.7E+06	6.4E+07	10.6	YES	YES	YES
740,720_11,86	2.00E+08	1.99E+08	2.08E+08	1.69E+08	1.63E+08	1.58E+08	1.53E+08	2.3E+07	1.8E+08	12.8	YES	YES	YES
742,240_10,23	4.48E+08	3.73E+08	3.72E+08	3.41E+08	3.42E+08	3.36E+08	2.98E+08	4.7E+07	3.6E+08	13.0	YES	YES	YES
742,320_10,27	4.02E+08	3.16E+08	3.16E+08	3.08E+08	2.99E+08	2.99E+08	2.52E+08	4.5E+07	3.1E+08	14.3	YES	YES	YES
742,640_11,56	1.51E+08	1.33E+08	1.22E+08	1.17E+08	1.14E+08	1.08E+08	9.74E+07	1.7E+07	1.2E+08	14.5	YES	YES	YES
743,520_11,60	3.41E+08	2.41E+08	2.07E+08	2.03E+08	2.08E+08	2.37E+08	1.60E+08	5.6E+07	2.3E+08	24.7			YES
743,680_11,95	6.75E+08	4.78E+08	4.32E+08	4.45E+08	4.39E+08	4.73E+08	3.53E+08	9.9E+07	4.7E+08	21.0			YES
743,760_11,79	3.84E+08	2.63E+08	2.46E+08	2.52E+08	2.39E+08	2.69E+08	2.02E+08	5.7E+07	2.7E+08	21.4			YES
744,320_10,15	2.02E+08	1.39E+08	1.32E+08	1.28E+08	1.30E+08	1.39E+08	1.13E+08	2.8E+07	1.4E+08	20.2			YES
746,080_11,74	2.04E+08	1.60E+08	1.55E+08	1.47E+08	1.44E+08	1.64E+08	1.30E+08	2.3E+07	1.6E+08	14.8	YES	YES	YES
746,560_11,51	1.62E+08	1.23E+08	1.19E+08	1.30E+08	1.24E+08	1.25E+08	1.04E+08	1.8E+07	1.3E+08	13.9	YES	YES	YES
746,640_10,47	1.40E+08	1.21E+08	1.23E+08	1.49E+08	1.21E+08	1.20E+08	1.16E+08	1.2E+07	1.3E+08	9.7	YES	YES	YES
748,480_11,93	2.17E+08	2.12E+08	2.09E+08	1.99E+08	1.82E+08	1.87E+08	1.69E+08	1.8E+07	2.0E+08	9.0	YES	YES	YES
750,080_11,89	1.23E+08	1.19E+08	1.12E+08	1.02E+08	9.26E+07	1.09E+08	9.19E+07	1.2E+07	1.1E+08	11.4	YES	YES	YES
750,800_11,91	6.28E+07	6.31E+07	6.10E+07	5.83E+07	4.71E+07	5.48E+07	4.00E+07	8.7E+06	5.5E+07	15.8		YES	YES
752,560_11,48	1.01E+08	1.27E+08	1.07E+08	1.03E+08	1.00E+08	1.32E+08	9.18E+07	1.5E+07	1.1E+08	13.6	YES	YES	YES
752,720_11,51	6.15E+07	9.06E+07	7.13E+07	6.13E+07	6.95E+07	9.34E+07	4.48E+07	1.7E+07	7.0E+07	24.4			YES
753,680_11,49	1.79E+08	2.02E+08	1.81E+08	1.80E+08	1.64E+08	1.95E+08	1.66E+08	1.4E+07	1.8E+08	7.7	YES	YES	YES
754,640_8,40	5.75E+06	7.25E+06	6.75E+06	6.88E+06	5.75E+06	6.88E+06	7.63E+06	7.1E+05	6.7E+06	10.6	YES	YES	YES
755,600_11,56	3.39E+08	3.56E+08	3.40E+08	3.06E+08	3.28E+08	3.46E+08	2.83E+08	2.5E+07	3.3E+08	7.7	YES	YES	YES
756,720_11,90	5.04E+08	3.85E+08	3.80E+08	3.11E+08	3.27E+08	3.80E+08	2.47E+08	8.0E+07	3.6E+08	22.1			YES
758,800_11,36	4.98E+08	2.78E+08	2.70E+08	2.44E+08	2.66E+08	2.63E+08	2.30E+08	9.2E+07	2.9E+08	31.5			
760,640_11,63	4.97E+08	2.82E+08	2.69E+08	2.48E+08	2.61E+08	2.62E+08	2.34E+08	9.1E+07	2.9E+08	31.1			
760,960_6,85	1.45E+08	1.20E+08	1.42E+08	1.30E+08	1.30E+08	1.11E+08	7.63E+07	2.3E+07	1.2E+08	19.1		YES	YES
761,600_11,83	8.09E+07	8.24E+07	7.65E+07	6.09E+07	6.88E+07	6.34E+07	5.78E+07	9.9E+06	7.0E+07	14.2	YES	YES	YES
761,920_6,84	3.44E+07	2.95E+07	4.08E+07	3.05E+07	3.21E+07	2.61E+07	1.70E+07	7.3E+06	3.0E+07	24.4			YES
762,400_6,81	1.30E+07	1.15E+07	1.65E+07	1.48E+07	1.21E+07	1.10E+07	8.13E+06	2.7E+06	1.2E+07	21.7			YES
763,520_10,73	3.51E+08	1.68E+08	1.58E+08	1.71E+08	1.48E+08	1.58E+08	1.41E+08	7.4E+07	1.8E+08	39.9			
763,680_10,70	1.15E+08	7.16E+07	6.44E+07	7.16E+07	6.60E+07	6.71E+07	5.81E+07	1.9E+07	7.3E+07	25.6			YES
763,680_11,90	1.20E+08	1.07E+08	1.12E+08	9.44E+07	8.54E+07	8.65E+07	6.65E+07	1.8E+07	9.6E+07	19.2		YES	YES
764,800_11,89	3.02E+08	2.44E+08	2.26E+08	2.23E+08	2.16E+08	2.27E+08	1.98E+08	3.3E+07	2.3E+08	14.1	YES	YES	YES
766,240_10,24	5.13E+07	6.11E+07	4.55E+07	5.35E+07	5.23E+07	5.04E+07	5.00E+07	4.7E+06	5.2E+07	9.1	YES	YES	YES
767,360_9,72	5.16E+07	5.05E+07	5.11E+07	5.48E+07	5.53E+07	5.05E+07	4.44E+07	3.6E+06	5.1E+07	7.0	YES	YES	YES
767,600_11,91	1.58E+08	1.58E+08	1.60E+08	1.64E+08	1.52E+08	1.53E+08	1.31E+08	1.1E+07	1.5E+08	7.0	YES	YES	YES
768,240_10,23	2.04E+07	2.36E+07	1.75E+07	2.56E+07	1.95E+07	2.13E+07	2.04E+07	2.7E+06	2.1E+07	12.7	YES	YES	YES
768,640_11,48	2.86E+08	2.97E+08	2.72E+08	2.46E+08	2.50E+08	3.34E+08	1.74E+08	5.0E+07	2.7E+08	19.0		YES	YES
769,600_11,50	9.85E+07	9.18E+07	9.09E+07	9.65E+07	9.26E+07	1.33E+08	8.24E+07	1.6E+07	9.8E+07	16.7		YES	YES
769,760_12,01	2.20E+08	2.10E+08	2.01E+08	1.93E+08	1.95E+08	2.37E+08	1.48E+08	2.8E+07	2.0E+08	13.8	YES	YES	YES
770,160_11,29	1.44E+08	1.44E+08	1.44E+08	1.29E+08	1.26E+08	1.45E+08	1.08E+08	1.4E+07	1.3E+08	10.3	YES	YES	YES
770,880_0,84	7.49E+07	4.46E+07	5.44E+07	5.58E+07	3.96E+07	4.24E+07	4.37E+07	1.2E+07	5.1E+07	24.1			YES
772,160_11,84	4.20E+08	4.06E+08	4.12E+08	3.62E+08	3.64E+08	4.97E+08	2.94E+08	6.3E+07	3.9E+08	16.0		YES	YES
772,320_10,65	9.49E+07	9.44E+07	7.94E+07	9.16E+07	8.51E+07	7.11E+07	6.64E+07	1.1E+07	8.3E+07	13.7	YES	YES	YES
773,680_11,66	2.33E+08	2.26E+08	2.35E+08	1.89E+08	1.77E+08	2.63E+08	1.22E+08	4.7E+07	2.1E+08	22.9			YES
774,640_11,50	1.78E+08	1.64E+08	1.57E+08	1.45E+08	1.34E+08	1.67E+08	1.33E+08	1.7E+07	1.5E+08	11.1	YES	YES	YES
776,000_10,73	9.56E+07	9.13E+07	8.53E+07	8.23E+07	8.26E+07	8.13E+07	7.85E+07	6.1E+06	8.5E+07	7.1	YES	YES	YES
777,120_10,76	2.70E+08	2.53E+08	2.69E+08	2.28E+08	2.42E+08	2.43E+08	2.32E+08	1.7E+07	2.5E+08	6.7	YES	YES	YES
777,360_10,74	2.96E+07	2.51E+07	2.64E+07	2.19E+07	2.41E+07	2.35E+07	2.75E+07	2.6E+06	2.5E+07	10.3	YES	YES	YES
777,680_11,81	1.22E+08	1.20E+08	1.14E+08	1.14E+08	1.11E+08	1.01E+08	1.06E+08	7.2E+06	1.1E+08	6.4	YES	YES	YES
778,480_6,94	1.58E+07	1.43E+07	1.08E+07	1.25E+07	1.15E+07	1.51E+07	5.50E+06	3.5E+06	1.2E+07	28.6			YES
778,640_11,85	1.98E+08	2.30E+08	2.22E+08	1.84E+08	1.87E+08	2.12E+08	1.49E+08	2.7E+07	2.0E+08	13.9	YES	YES	YES
780,160_10,67	9.89E+07	1.40E+08	1.19E+08	1.21E+08	1.19E+08	1.30E+08	1.11E+08	1.3E+07	1.2E+08	10.8	YES	YES	YES
780,560_11,54	1.35E+08	1.89E+08	2.06E+08	1.56E+08	1.66E+08	1.89E+08	1.38E+08	2.7E+07	1.7E+08	16.3		YES	YES
781,760_11,77	7.39E+07	8.04E+07	8.19E+07	7.05E+07	6.66E+07	8.00E+07	6.68E+07	6.5E+06	7.4E+07	8.8	YES	YES	YES
782,160_10,49	7.71E+07	1.07E+08	8.25E+07	8.74E+07	7.96E+07	8.68E+07	7.75E+07	1.0E+07	8.5E+07	12.0	YES	YES	YES
782,240_10,65	7.43E+07	1.00E+08	8.75E+07	8.46E+07	7.63E+07	8.35E+07	7.90E+07	8.7E+06	8.4E+07	10.4	YES	YES	YES
782,800_12,00	2.22E+08	2.44E+08	2.35E+08	2.27E+08	1.90E+08	2.17E+08	1.94E+08	2.0E+07	2.2E+08	9.2	YES	YES	YES
783,280_11,40	6.61E+07	7.01E+07	5.95E+07	6.25E+07	5.75E+07	6.51E+07	4.73E+07	7.4E+06	6.1E+07	12.2	YES	YES	YES
784,560_10,38	5.06E+08	4.89E+08	3.86E+08	4.35E+08	3.79E+08	3.62E+08	5.14E+08	6.5E+07	4.4E+08	14.7	YES	YES	YES
784,640_11,77	1.48E+08	1.50E+08	1.37E+08	1.41E+08	1.25E+08	1.30E+08	1.86E+08	2.0E+07	1.5E+08	13.7	YES	YES	YES
786,080_10,67	2.35E+08	1.92E+08	1.63E+08	1.92E+08	1.66E+08	1.58E+08	2.35E+08	3.3E+07	1.9E+08	17.1		YES	YES
786,160_6,71	6.59E+07	4.56E+07	4.88E+07	5.09E+07	3.91E+07	5.65E+07	3.61E+07	1.0E+07	4.9E+07	20.7			YES
786,640_12,00	1.27E+08	1.10E+08	1.07E+08	1.04E+08	9.91E+07	1.04E+08	1.12E+08	9.0E+06	1.1E+08	8.2	YES	YES	YES
786,880_10,67	1.36E+08	1.30E+08	1.20E+08	1.37E+08	1.28E+08	1.33E+08	1.46E+08	8.1E+06	1.3E+08	6.1	YES	YES	YES
788,640_10,43	3.28E+08	1.31E+08	1.35E+08	1.42E+08	1.31E+08	1.60E+08	1.58E+08	7.1E+07	1.7E+08	42.0			
788,640_11,53	6.07E+08	2.99E+08	3.12E+08	3.02E+08	3.01E+08	3.65E+08	2.55E+08	1.2E+08	3.5E+08	33.9			
788,720_11,51	5.09E+08	1.42E+08	1.51E+08	1.43E+08	1.46E+08	1.68E+08	1.33E+08	1.4E+08	2.0E+08	69.1			
790,480_11,50	1.85E+08	1.42E+08	1.38E+08	1.20E+08	1.20E+08	1.74E+08	1.10E+08	2.9E+07	1.4E+08	20.2			YES
791,280_6,21	4.00E+07	3.01E+07	2.85E+07	3.50E+07	2.96E+07	2.76E+07	2.58E+07	4.9E+06	3.1E+07	15.9		YES	YES
791,600_11,50	1.75E+08	1.62E+08	1.55E+08	1.34E+08	1.32E+08	1.67E+08	1.12E+08	2.3E+07	1.5E+08	15.3		YES	YES
792,400_6,18	9.75E+06	7.75E+06	8.25E+06	7.50E+06	8.00E+06	4.63E+06	4.25E+06	2.0E+06	7.2E+06	27.9			YES
792,720_11,84	2.72E+08	2.76E+08	2.59E+08	2.40E+08	2.46E+08	2.73E+08	2.20E+08	2.1E+07	2.6E+08	8.1	YES	YES	YES
793,680_11,96	1.05E+08	1.08E+08	1.08E+08	9.70E+07	1.04E+08	9.83E+07	9.63E+07	5.2E+06	1.0E+08	5.1	YES	YES	YES
794,560_11,85	2.72E+08	2.80E+08	3.03E+08	2.47E+08	2.54E+08	3.64E+08	2.27E+08	4.5E+07	2.8E+08	16.2		YES	YES
795,680_11,91	2.53E+08	2.75E+08	2.47E+08	2.27E+08	2.21E+08	2.79E+08	2.08E+08	2.7E+07	2.4E+08	11.0	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
796,640_10,95	5.34E+08	5.72E+08	4.88E+08	4.86E+08	4.56E+08	5.52E+08	4.06E+08	5.8E+07	5.0E+08	11.6	YES	YES	YES
796,640_11,56	1.86E+08	1.87E+08	1.73E+08	1.77E+08	1.47E+08	1.60E+08	1.99E+08	1.8E+07	1.8E+08	10.0	YES	YES	YES
797,520_11,46	2.54E+08	2.77E+08	2.18E+08	2.25E+08	2.08E+08	2.50E+08	1.63E+08	3.7E+07	2.3E+08	16.3		YES	YES
797,600_10,64	1.40E+08	1.67E+08	1.17E+08	1.32E+08	1.20E+08	1.21E+08	9.28E+07	2.3E+07	1.3E+08	17.9		YES	YES
798,640_11,99	3.72E+08	3.51E+08	3.21E+08	3.28E+08	3.03E+08	3.19E+08	2.73E+08	3.2E+07	3.2E+08	9.9	YES	YES	YES
799,360_10,36	5.39E+07	3.80E+07	4.23E+07	4.01E+07	3.01E+07	4.29E+07	3.48E+07	7.5E+06	4.0E+07	18.5		YES	YES
799,440_11,51	4.31E+08	3.66E+08	3.70E+08	3.68E+08	3.46E+08	3.51E+08	3.14E+08	3.6E+07	3.6E+08	9.8	YES	YES	YES
800,160_10,87	2.30E+08	1.95E+08	2.03E+08	1.99E+08	1.89E+08	1.80E+08	1.80E+08	1.7E+07	2.0E+08	8.9	YES	YES	YES
801,520_11,55	3.14E+08	2.60E+08	2.65E+08	2.40E+08	2.29E+08	2.52E+08	2.19E+08	3.1E+07	2.5E+08	12.2	YES	YES	YES
802,640_11,52	2.93E+08	2.29E+08	2.53E+08	2.14E+08	2.17E+08	2.37E+08	1.96E+08	3.2E+07	2.3E+08	13.5	YES	YES	YES
803,680_11,78	7.31E+07	8.78E+07	7.25E+07	6.93E+07	6.88E+07	6.84E+07	5.18E+07	1.1E+07	7.0E+07	15.0		YES	YES
803,920_10,38	3.98E+07	4.33E+07	4.70E+07	4.44E+07	4.06E+07	5.09E+07	3.68E+07	4.7E+06	4.3E+07	11.0	YES	YES	YES
804,160_10,41	2.07E+08	2.27E+08	2.22E+08	2.09E+08	1.91E+08	2.08E+08	1.84E+08	1.5E+07	2.1E+08	7.4	YES	YES	YES
805,760_11,69	1.44E+08	1.27E+08	1.28E+08	1.29E+08	1.20E+08	1.31E+08	1.23E+08	7.8E+06	1.3E+08	6.0	YES	YES	YES
806,240_10,40	2.13E+08	2.61E+08	2.19E+08	2.37E+08	2.01E+08	2.24E+08	2.09E+08	2.0E+07	2.2E+08	9.1	YES	YES	YES
806,560_11,60	1.98E+08	1.80E+08	1.75E+08	1.78E+08	1.58E+08	1.89E+08	2.06E+08	1.6E+07	1.8E+08	8.7	YES	YES	YES
806,560_12,00	1.86E+08	1.89E+08	1.73E+08	1.83E+08	1.65E+08	1.82E+08	2.27E+08	2.0E+07	1.9E+08	10.5	YES	YES	YES
807,760_11,75	7.71E+07	8.24E+07	8.39E+07	7.93E+07	7.14E+07	8.13E+07	8.50E+07	4.7E+06	8.0E+07	5.8	YES	YES	YES
808,240_10,38	3.15E+08	3.90E+08	3.94E+08	3.37E+08	3.38E+08	3.55E+08	3.63E+08	2.9E+07	3.6E+08	8.1	YES	YES	YES
808,560_11,34	1.76E+08	1.70E+08	1.62E+08	1.65E+08	1.42E+08	1.72E+08	2.24E+08	2.5E+07	1.7E+08	14.5	YES	YES	YES
809,520_6,92	1.66E+08	1.55E+08	1.77E+08	1.46E+08	1.21E+08	1.46E+08	1.02E+08	2.6E+07	1.4E+08	17.8		YES	YES
809,600_11,88	7.84E+07	7.40E+07	7.49E+07	6.96E+07	7.21E+07	7.24E+07	7.66E+07	2.9E+06	7.4E+07	4.0	YES	YES	YES
810,160_11,80	1.69E+08	1.41E+08	1.30E+08	1.30E+08	1.24E+08	1.42E+08	1.43E+08	1.5E+07	1.4E+08	10.5	YES	YES	YES
810,320_10,40	2.21E+08	2.85E+08	2.77E+08	2.44E+08	2.34E+08	2.56E+08	1.99E+08	3.0E+07	2.5E+08	12.4	YES	YES	YES
810,480_6,92	3.80E+07	4.09E+07	4.59E+07	3.88E+07	3.00E+07	3.75E+07	2.85E+07	6.0E+06	3.7E+07	16.3		YES	YES
810,640_11,92	8.94E+07	7.09E+07	6.41E+07	8.21E+07	6.26E+07	6.66E+07	6.55E+07	1.0E+07	7.2E+07	14.3	YES	YES	YES
810,960_6,93	1.78E+07	1.74E+07	1.85E+07	1.53E+07	1.15E+07	1.54E+07	1.16E+07	2.8E+06	1.5E+07	18.5		YES	YES
811,680_10,86	4.96E+08	2.99E+08	2.63E+08	3.22E+08	2.59E+08	2.67E+08	2.35E+08	8.8E+07	3.1E+08	28.9			YES
811,760_11,49	6.60E+08	3.31E+08	3.19E+08	3.63E+08	3.08E+08	3.06E+08	3.27E+08	1.3E+08	3.7E+08	34.2			
812,720_11,48	3.41E+08	2.02E+08	2.03E+08	2.94E+08	2.33E+08	1.79E+08	2.16E+08	5.8E+07	2.4E+08	24.3			YES
813,600_10,49	4.59E+08	2.33E+08	2.60E+08	3.74E+08	3.17E+08	2.21E+08	1.30E+08	1.1E+08	2.8E+08	38.1			
813,680_11,54	3.89E+08	2.15E+08	2.15E+08	3.07E+08	2.67E+08	1.69E+08	2.23E+08	7.4E+07	2.5E+08	28.9			YES
813,760_10,08	4.41E+08	2.05E+08	2.56E+08	2.81E+08	2.92E+08	2.08E+08	7.78E+07	1.1E+08	2.5E+08	43.7			
813,760_11,50	6.95E+08	3.82E+08	4.00E+08	4.87E+08	5.24E+08	2.64E+08	3.04E+08	1.5E+08	4.4E+08	33.6			
813,760_11,95	4.06E+08	2.44E+08	2.57E+08	3.15E+08	2.79E+08	1.90E+08	2.76E+08	6.7E+07	2.8E+08	23.9			YES
815,680_10,02	1.83E+08	6.90E+07	8.56E+07	7.76E+07	8.38E+07	8.51E+07	5.56E+07	4.2E+07	9.1E+07	45.8			
815,680_11,84	1.38E+08	7.48E+07	6.11E+07	6.40E+07	6.70E+07	7.20E+07	5.66E+07	2.8E+07	7.6E+07	36.8			
817,040_11,66	1.47E+08	1.16E+08	1.05E+08	1.29E+08	1.14E+08	1.17E+08	1.14E+08	1.4E+07	1.2E+08	11.3	YES	YES	YES
817,520_9,28	1.73E+07	2.85E+07	2.45E+07	9.25E+06	3.14E+07	3.15E+07	3.78E+07	9.7E+06	2.6E+07	37.6			
818,480_11,40	1.77E+08	1.54E+08	1.25E+08	1.54E+08	1.29E+08	1.34E+08	1.28E+08	1.9E+07	1.4E+08	13.6	YES	YES	YES
818,640_9,28	1.04E+07	1.45E+07	1.51E+07	6.88E+06	2.11E+07	1.45E+07	2.31E+07	5.6E+06	1.5E+07	37.4			
818,960_11,69	1.06E+08	9.71E+07	8.03E+07	1.00E+08	9.30E+07	9.83E+07	9.48E+07	8.0E+06	9.6E+07	8.4	YES	YES	YES
819,520_9,30	4.75E+06	5.25E+06	5.75E+06	2.13E+06	6.63E+06	5.63E+06	1.04E+07	2.5E+06	5.8E+06	42.7			
819,600_11,66	8.53E+07	8.49E+07	8.55E+07	8.64E+07	7.79E+07	7.49E+07	9.15E+07	5.6E+06	8.4E+07	6.7	YES	YES	YES
820,640_12,01	1.00E+08	1.03E+08	9.83E+07	1.02E+08	8.91E+07	9.18E+07	8.70E+07	6.5E+06	9.6E+07	6.8	YES	YES	YES
822,080_10,33	5.45E+07	5.00E+07	4.80E+07	4.88E+07	4.69E+07	5.13E+07	4.83E+07	2.6E+06	5.0E+07	5.2	YES	YES	YES
822,320_11,78	1.25E+08	1.30E+08	1.08E+08	1.26E+08	1.11E+08	1.25E+08	1.07E+08	9.8E+06	1.2E+08	8.3	YES	YES	YES
822,640_11,97	1.19E+08	1.24E+08	1.19E+08	1.18E+08	1.16E+08	1.23E+08	1.25E+08	3.4E+06	1.2E+08	2.8	YES	YES	YES
823,520_11,94	1.34E+08	1.26E+08	1.18E+08	1.22E+08	1.22E+08	1.20E+08	1.11E+08	7.0E+06	1.2E+08	5.7	YES	YES	YES
824,000_10,39	5.64E+07	4.71E+07	6.59E+07	5.86E+07	4.15E+07	5.19E+07	5.45E+07	7.9E+06	5.4E+07	14.7	YES	YES	YES
824,480_10,30	1.25E+08	1.31E+08	1.33E+08	1.36E+08	1.06E+08	1.27E+08	1.16E+08	1.1E+07	1.2E+08	8.5	YES	YES	YES
824,640_11,95	8.78E+07	8.63E+07	9.43E+07	9.80E+07	9.18E+07	8.05E+07	7.40E+07	8.2E+06	8.8E+07	9.4	YES	YES	YES
825,440_11,93	1.57E+08	1.76E+08	1.80E+08	1.78E+08	1.80E+08	1.79E+08	1.51E+08	1.2E+07	1.7E+08	7.1	YES	YES	YES
826,560_10,58	1.12E+08	1.77E+08	2.15E+08	1.82E+08	1.69E+08	1.78E+08	1.67E+08	3.1E+07	1.7E+08	18.0		YES	YES
826,720_11,99	1.09E+08	1.28E+08	1.16E+08	1.07E+08	1.14E+08	1.14E+08	1.01E+08	8.5E+06	1.1E+08	7.6	YES	YES	YES
827,600_10,62	1.91E+08	2.27E+08	2.50E+08	2.00E+08	2.49E+08	2.56E+08	2.36E+08	2.5E+07	2.3E+08	11.1	YES	YES	YES
828,400_11,64	1.43E+08	1.50E+08	1.51E+08	1.41E+08	1.60E+08	1.66E+08	1.67E+08	1.0E+07	1.5E+08	6.8	YES	YES	YES
828,400_12,00	3.22E+08	3.49E+08	3.28E+08	3.28E+08	3.53E+08	3.84E+08	3.65E+08	2.3E+07	3.5E+08	6.5	YES	YES	YES
830,640_11,72	8.54E+07	1.04E+08	1.10E+08	8.94E+07	9.28E+07	1.15E+08	7.70E+07	1.4E+07	9.6E+07	14.5	YES	YES	YES
830,640_11,85	3.25E+08	3.72E+08	3.67E+08	3.15E+08	3.28E+08	3.81E+08	3.34E+08	2.7E+07	3.5E+08	7.7	YES	YES	YES
832,160_11,38	1.29E+08	1.26E+08	1.18E+08	8.90E+07	9.81E+07	1.14E+08	9.08E+07	1.7E+07	1.1E+08	15.2		YES	YES
832,320_10,67	3.20E+08	1.02E+08	9.74E+07	9.38E+07	9.89E+07	9.24E+07	1.16E+08	8.3E+07	1.3E+08	63.5			
834,320_10,02	3.21E+08	9.48E+07	1.17E+08	1.31E+08	1.07E+08	1.10E+08	7.26E+07	8.4E+07	1.4E+08	61.4			
834,320_10,47	6.78E+08	2.18E+08	2.07E+08	2.63E+08	2.34E+08	2.00E+08	1.63E+08	1.8E+08	2.8E+08	63.5			
834,640_9,27	6.00E+06	4.00E+06	3.75E+06	2.00E+06	5.13E+06	6.75E+06	6.13E+06	1.7E+06	4.8E+06	34.6			
834,640_11,48	3.65E+08	1.78E+08	1.61E+08	1.95E+08	1.85E+08	1.54E+08	1.56E+08	7.5E+07	2.0E+08	37.4			
835,200_10,09	4.74E+08	1.73E+08	1.89E+08	2.25E+08	2.14E+08	1.60E+08	1.11E+08	1.2E+08	2.2E+08	53.4			
835,680_11,46	2.97E+08	1.81E+08	1.73E+08	2.16E+08	2.21E+08	1.57E+08	1.62E+08	4.9E+07	2.0E+08	24.4			YES
835,760_11,90	3.57E+08	2.33E+08	2.17E+08	2.51E+08	2.85E+08	1.96E+08	1.90E+08	5.9E+07	2.5E+08	23.7			YES
836,720_11,92	3.47E+08	2.53E+08	2.26E+08	2.53E+08	2.64E+08	2.13E+08	2.07E+08	4.7E+07	2.5E+08	18.8		YES	YES
837,760_11,77	3.98E+08	2.28E+08	2.03E+08	2.22E+08	2.16E+08	1.95E+08	1.82E+08	7.4E+07	2.3E+08	31.4			
838,880_0,84	7.50E+07	4.65E+07	6.56E+07	5.25E+07	4.42E+07	5.36E+07	4.96E+07	1.1E+07	5.5E+07	20.1			YES
839,600_9,30	9.13E+06	1.19E+07	1.00E+07	4.88E+06	1.35E+07	9.75E+06	1.41E+07	3.1E+06	1.0E+07	29.8			YES
839,600_11,90	9.18E+07	7.51E+07	8.05E+07	7.89E+07	7.35E+07	8.10E+07	6.96E+07	7.1E+06	7.9E+07	9.0	YES	YES	YES
840,480_9,28	4.38E+06	5.50E+06	5.88E+06	2.38E+06	8.75E+06	5.13E+06	7.38E+06	2.1E+06	5.6E+06	36.5			
841,440_11,91	1.16E+08	1.10E+08	1.07E+08	1.20E+08	9.89E+07	1.03E+08	9.81E+07	8.4E+06	1.1E+08	7.8	YES	YES	YES
841,680_11,94	1.29E+08	1.21E+08	1.16E+08	1.25E+08	1.08E+08	1.20E+08	1.13E+08	7.1E+06	1.2E+08	6.0	YES	YES	YES

mass_RT	QC18	QC19	QC20	QC21	QC 22	QC 23	QC24	SD	average	CV	CV<15	CV<20	CV<30
842,640_11,91	1.00E+08	9.59E+07	9.94E+07	1.03E+08	8.54E+07	9.58E+07	8.64E+07	6.9E+06	9.5E+07	7.2	YES	YES	YES
843,760_11,94	1.31E+08	1.28E+08	1.20E+08	1.26E+08	1.17E+08	1.27E+08	1.11E+08	7.3E+06	1.2E+08	5.9	YES	YES	YES
845,440_6,84	4.28E+07	4.28E+07	4.05E+07	4.29E+07	3.54E+07	3.66E+07	2.80E+07	5.5E+06	3.8E+07	14.4	YES	YES	YES
846,640_11,95	1.16E+08	1.19E+08	1.08E+08	1.11E+08	1.03E+08	1.01E+08	9.08E+07	9.5E+06	1.1E+08	8.9	YES	YES	YES
847,760_10,28	1.86E+07	2.03E+07	1.55E+07	2.06E+07	1.30E+07	1.95E+07	1.91E+07	2.8E+06	1.8E+07	15.5		YES	YES
848,560_10,67	1.25E+08	1.85E+08	2.14E+08	1.59E+08	1.79E+08	1.82E+08	1.31E+08	3.2E+07	1.7E+08	18.8		YES	YES
848,560_11,62	8.68E+07	9.99E+07	9.54E+07	9.60E+07	8.28E+07	1.01E+08	1.45E+08	2.1E+07	1.0E+08	20.4			YES
849,440_10,56	5.36E+07	8.60E+07	9.50E+07	7.23E+07	7.25E+07	8.65E+07	6.18E+07	1.5E+07	7.5E+07	19.5		YES	YES
850,640_11,61	4.63E+07	4.50E+07	4.64E+07	4.41E+07	4.20E+07	4.58E+07	4.99E+07	2.4E+06	4.6E+07	5.3	YES	YES	YES
852,560_11,50	8.00E+07	1.00E+08	1.00E+08	9.03E+07	8.41E+07	1.02E+08	7.38E+07	1.1E+07	9.0E+07	12.4	YES	YES	YES
853,440_6,95	3.55E+08	3.39E+08	3.17E+08	3.15E+08	2.41E+08	2.99E+08	2.41E+08	4.5E+07	3.0E+08	14.9	YES	YES	YES
853,680_11,95	1.84E+08	2.00E+08	1.90E+08	1.75E+08	2.11E+08	2.47E+08	2.07E+08	2.4E+07	2.0E+08	11.7	YES	YES	YES
853,920_6,94	9.40E+07	9.56E+07	9.06E+07	8.86E+07	6.89E+07	7.50E+07	7.00E+07	1.2E+07	8.3E+07	13.9	YES	YES	YES
854,560_6,95	3.25E+07	3.10E+07	3.44E+07	3.50E+07	2.40E+07	2.85E+07	2.54E+07	4.3E+06	3.0E+07	14.3	YES	YES	YES
854,640_10,09	1.83E+07	2.60E+07	2.20E+07	1.63E+07	2.16E+07	2.45E+07	2.26E+07	3.4E+06	2.2E+07	15.7		YES	YES
854,640_11,94	1.24E+08	1.28E+08	1.28E+08	1.25E+08	1.29E+08	1.50E+08	1.32E+08	8.9E+06	1.3E+08	6.8	YES	YES	YES
854,960_6,93	1.08E+07	8.13E+06	1.13E+07	1.16E+07	7.13E+06	8.88E+06	7.63E+06	1.8E+06	9.3E+06	19.7		YES	YES
855,600_11,91	8.55E+07	8.68E+07	9.08E+07	7.91E+07	8.00E+07	8.64E+07	1.10E+08	1.0E+07	8.8E+07	11.7	YES	YES	YES
856,000_11,92	1.04E+08	1.26E+08	1.10E+08	9.70E+07	1.05E+08	1.19E+08	1.35E+08	1.4E+07	1.1E+08	11.9	YES	YES	YES
857,600_11,84	6.91E+07	6.81E+07	6.08E+07	6.03E+07	6.65E+07	6.25E+07	6.38E+07	3.5E+06	6.4E+07	5.5	YES	YES	YES
858,160_11,74	3.78E+07	4.21E+07	3.66E+07	3.58E+07	4.00E+07	3.74E+07	3.04E+07	3.7E+06	3.7E+07	9.9	YES	YES	YES
858,480_10,29	1.68E+07	1.56E+07	1.34E+07	1.61E+07	1.49E+07	1.71E+07	1.51E+07	1.3E+06	1.6E+07	8.1	YES	YES	YES
859,600_10,29	2.58E+07	2.03E+07	2.00E+07	2.09E+07	2.00E+07	1.85E+07	2.51E+07	2.8E+06	2.2E+07	13.0	YES	YES	YES
860,560_11,97	4.48E+07	4.19E+07	4.58E+07	4.48E+07	3.93E+07	4.68E+07	4.25E+07	2.6E+06	4.4E+07	5.9	YES	YES	YES
864,000_6,95	1.85E+07	2.45E+07	2.71E+07	2.71E+07	1.66E+07	2.93E+07	1.88E+07	5.1E+06	2.3E+07	21.9			YES
870,560_11,84	7.11E+07	6.54E+07	6.79E+07	6.96E+07	6.90E+07	7.54E+07	6.00E+07	4.8E+06	6.8E+07	7.0	YES	YES	YES
879,680_11,77	1.68E+08	1.63E+08	1.56E+08	1.56E+08	1.50E+08	1.79E+08	1.67E+08	9.7E+06	1.6E+08	6.0	YES	YES	YES
880,240_6,94	2.93E+07	1.99E+07	3.00E+07	2.36E+07	2.36E+07	2.26E+07	2.08E+07	3.9E+06	2.4E+07	16.2		YES	YES
884,320_6,71	8.38E+07	6.33E+07	5.08E+07	5.00E+07	4.83E+07	6.74E+07	4.03E+07	1.5E+07	5.8E+07	25.6			YES
888,480_11,48	6.14E+07	5.86E+07	5.14E+07	5.39E+07	5.41E+07	5.55E+07	6.21E+07	4.1E+06	5.7E+07	7.2	YES	YES	YES
889,760_11,97	7.33E+07	7.26E+07	6.13E+07	6.11E+07	5.79E+07	6.78E+07	6.23E+07	6.1E+06	6.5E+07	9.3	YES	YES	YES
890,400_6,97	2.39E+07	1.98E+07	2.01E+07	1.66E+07	1.35E+07	1.76E+07	1.06E+07	4.4E+06	1.7E+07	25.3			YES
892,560_11,52	6.88E+07	7.05E+07	6.08E+07	6.78E+07	5.90E+07	5.95E+07	6.79E+07	4.9E+06	6.5E+07	7.6	YES	YES	YES
896,480_6,91	4.60E+07	3.88E+07	4.28E+07	3.91E+07	3.58E+07	3.96E+07	2.56E+07	6.4E+06	3.8E+07	16.8		YES	YES
897,440_6,90	1.34E+07	1.23E+07	1.40E+07	1.44E+07	1.33E+07	1.36E+07	8.50E+06	2.0E+06	1.3E+07	15.6		YES	YES
899,680_11,89	1.08E+08	1.02E+08	1.09E+08	1.02E+08	9.10E+07	9.74E+07	8.58E+07	8.5E+06	9.9E+07	8.6	YES	YES	YES
											TOTAL number of ions that pass		
							TOTAL NUMBER of ions		1421		1112	1250	1360
											percentage of ions that pass		
											78.0	87	95