

Water Column Indicator Quantile Report

SEACAR Analysis

Last compiled on 25 November, 2024

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Overview

Purpose

The purpose of the indicator quantiles is to flag records that are “unusual” relative to all of the data in the DDI for a given indicator in order to facilitate QA/QC. They are not used to filter any of the data for SEACAR analyses, and the presence of a LowerQuantile or UpperQuantile flag on a DDI record alone does not necessarily indicate there is any issue with the record (neither does the absence of a LowerQuantile or UpperQuantile flag necessarily mean that a data record is correct).

Relevant file locations

Current values can be found in the “LowQuantile” and “HighQuantile” columns of the “Ref_Parameters” worksheet.

The R script described below and the output file can be found in the *FloridaSEACAR IndicatorQuantiles* repository on GitHub:

- <https://github.com/FloridaSEACAR/IndicatorQuantiles>

Process steps

IQ_Report_Render.R & IQ_Report.Rmd

1. The *IQ_Report_Render.R* script lists all files in a given directory and filters it to a list of DDI exports to evaluate considering a list of parameters to skip (user-defined).
2. User sets the desired upper and lower quantile thresholds, as well as a number of standard deviations away from the mean to use for the calculations.
3. User sets the string value(s) in the DDI exports that should be considered as NA values.
4. The remainder of the script loops through the file list, returning the values listed below and binding them together by row into a single Excel spreadsheet that is saved to the User’s working directory.
5. For each habitat included in the User’s working directory a PDF report will be created in the “output” folder using *IQ_Report.Rmd*, which provides an overview of questionable / flagged values.
6. In addition to the PDF reports, each habitat will provide a .txt data output file in the “output/data” folder containing questionable values.

Summary

The following quantile thresholds are used for flagging “questionable” values:

- Lower quantile: **0.001**
- Upper quantile: **0.999**

Included Indicators and Parameters and the files used in this analysis:

Nekton

Indicator: Nekton - *All_NEKTON_Parameters-2024-Sep-04.txt*

- Standard Length
- Presence/Absence
- Count

Discrete WQ

Indicator: Nutrients

- Ammonia, Un-ionized (NH₃)
 - *Combined_WQ_WC_NUT_Ammonia_Un-ionized_NH3-2024-Oct-03.txt*
- Ammonium, Filtered (NH₄)
 - *Combined_WQ_WC_NUT_NH4_Filtered-2024-Oct-03.txt*
- Nitrate (NO₃)
 - *Combined_WQ_WC_NUT_Nitrate_N-2024-Oct-03.txt*
- Nitrite (NO₂)
 - *Combined_WQ_WC_NUT_Nitrite_N-2024-Oct-03.txt*
- Nitrogen, organic
 - *Combined_WQ_WC_NUT_Nitrogen_organic-2024-Oct-03.txt*
- NO₂+₃, Filtered
 - *Combined_WQ_WC_NUT_NO2_3_Filtered-2024-Oct-03.txt*
- Phosphate, Filtered (PO₄)
 - *Combined_WQ_WC_NUT_PO4_Filtered-2024-Oct-03.txt*
- Total Kjeldahl Nitrogen
 - *Combined_WQ_WC_NUT_Total_Kjeldahl_Nitrogen_TKN-2024-Oct-03.txt*
- Total Nitrogen (All)
 - *Combined_WQ_WC_NUT_Total_Nitrogen-2024-Oct-03.txt*
- Total Nitrogen (Calculated)
 - *Combined_WQ_WC_NUT_Total_Nitrogen-2024-Oct-03.txt*
- Total Phosphorus
 - *Combined_WQ_WC_NUT_Total_Phosphorus-2024-Oct-03.txt*

Indicator: Water Clarity

- Chlorophyll a, Corrected for Pheophytin
 - *Combined_WQ_WC_NUT_Chlorophyll_a_corrected_for_pheophytin-2024-Oct-03.txt*
- Chlorophyll a, Uncorrected for Pheophytin
 - *Combined_WQ_WC_NUT_Chlorophyll_a_uncorrected_for_pheophytin-2024-Oct-03.txt*
- Colored Dissolved Organic Matter
 - *Combined_WQ_WC_NUT_Colored_dissolved_organic_matter_CDOM-2024-Oct-03.txt*
- Light Extinction Coefficient
 - *Combined_WQ_WC_NUT_Light_Extinction_Coefficient-2024-Oct-03.txt*
- Secchi Depth
 - *Combined_WQ_WC_NUT_Secchi_Depth-2024-Oct-03.txt*
- Total Suspended Solids
 - *Combined_WQ_WC_NUT_Total_Suspended_Solids_TSS-2024-Oct-03.txt*
- Turbidity

- *Combined_WQ_WC_NUT_Turbidity-2024-Oct-03.txt*

Indicator: Water Quality

- Dissolved Oxygen
 - *Combined_WQ_WC_NUT_Dissolved_Oxygen-2024-Oct-03.txt*
- Dissolved Oxygen Saturation
 - *Combined_WQ_WC_NUT_Dissolved_Oxygen_Saturation-2024-Oct-03.txt*
- pH
 - *Combined_WQ_WC_NUT_pH-2024-Oct-03.txt*
- Salinity
 - *Combined_WQ_WC_NUT_Salinity-2024-Oct-03.txt*
- Specific Conductivity
 - *Combined_WQ_WC_NUT_Specific_Conductivity-2024-Oct-03.txt*
- Water Temperature
 - *Combined_WQ_WC_NUT_Water_Temperature-2024-Oct-03.txt*

Continuous WQ

Indicator: Water Quality

- Dissolved Oxygen
 - *Combined_WQ_WC_NUT_cont_Dissolved_Oxygen_AllRegions-2024-Oct-28.txt*
- Dissolved Oxygen Saturation
 - *Combined_WQ_WC_NUT_cont_Dissolved_Oxygen_Saturation_AllRegions-2024-Oct-28.txt*
- pH
 - *Combined_WQ_WC_NUT_cont_pH_AllRegions-2024-Oct-28.txt*
- Salinity
 - *Combined_WQ_WC_NUT_cont_Salinity_AllRegions-2024-Oct-28.txt*
- Water Temperature
 - *Combined_WQ_WC_NUT_cont_Water_Temperature_AllRegions-2024-Oct-28.txt*

Indicator: Water Clarity

- Turbidity
 - *Combined_WQ_WC_NUT_cont_Turbidity_AllRegions-2024-Oct-28.txt*

Summary Tables

q_low: Value corresponding to the qval_low quantile for the parameter in the DDI export.

q_high: Value corresponding to the qval_high quantile for the parameter in the DDI export.

mean: Mean value for the parameter in the DDI export.

n_tot: Total number of records in the DDI export for the parameter.

n_q_low: Number of records in the DDI export that are below q_low for the parameter.

n_q_high: Number of records in the DDI export that are above q_high for the parameter.

pct_flagged: Proportion of total records in the DDI export for the parameter which have been flagged as above q_high, or below q_low.

Nekton

Indicator: **Nekton**

Table 1: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|------------------|-------|---------|-------|---------|---------|----------|-------------|
| Count | 0 | 1041.82 | 9.13 | 253092 | 0 | 254 | 0.10 |
| Presence/Absence | 0 | 1.00 | 0.41 | 253057 | 0 | 0 | 0.00 |
| Standard Length | 1 | 67.50 | 12.03 | 1359115 | 1167 | 1344 | 0.18 |

Discrete WQ

Indicator: **Nutrients**

Table 2: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|---------------------------|-------|--------|------|--------|---------|----------|-------------|
| Ammonia, Un-ionized (NH3) | 0.00 | 0.48 | 0.03 | 523 | 1 | 1 | 0.38 |
| Ammonium, Filtered (NH4) | -0.02 | 5.10 | 0.09 | 141701 | 140 | 142 | 0.20 |
| Nitrate (NO3) | 0.00 | 0.96 | 0.02 | 11230 | 0 | 12 | 0.11 |
| Nitrite (NO2) | 0.00 | 0.30 | 0.00 | 40529 | 2 | 1 | 0.01 |
| Nitrogen, organic | 0.03 | 2.70 | 0.57 | 7121 | 6 | 7 | 0.18 |
| NO2+3, Filtered | 0.00 | 2.84 | 0.05 | 158860 | 150 | 159 | 0.19 |
| Phosphate, Filtered (PO4) | -0.01 | 0.75 | 0.04 | 61936 | 51 | 62 | 0.18 |
| Total Kjeldahl Nitrogen | 0.00 | 4.81 | 4.35 | 116678 | 89 | 117 | 0.18 |
| Total Nitrogen | 0.00 | 4.13 | 0.51 | 144066 | 119 | 145 | 0.18 |
| Total Nitrogen | 0.00 | 2.78 | 0.38 | 85439 | 41 | 86 | 0.15 |
| Total Phosphorus | 0.00 | 0.73 | 0.16 | 162889 | 84 | 160 | 0.15 |

Indicator: **Water Clarity**

Table 3: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|---|-------|--------|-------|-------|---------|----------|-------------|
| Chlorophyll a, Corrected for Pheophytin | 0.0 | 110.00 | 5.83 | 67378 | 4 | 64 | 0.10 |
| Chlorophyll a, Uncorrected for Pheophytin | 0.0 | 111.09 | 16.01 | 92145 | 26 | 93 | 0.13 |

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|----------------------------------|-------|--------|-------|--------|---------|----------|-------------|
| Colored Dissolved Organic Matter | 0.0 | 699.37 | 26.40 | 26275 | 0 | 27 | 0.10 |
| Light Extinction Coefficient | 0.0 | 7.94 | 0.56 | 15549 | 13 | 16 | 0.19 |
| Secchi Depth | 0.1 | 19.00 | 1.36 | 350090 | 42 | 326 | 0.11 |
| Total Suspended Solids | 0.0 | 177.00 | 13.19 | 89603 | 18 | 86 | 0.12 |
| Turbidity | 0.0 | 126.00 | 4.91 | 314717 | 29 | 313 | 0.11 |

Indicator: **Water Quality**

Table 4: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|-----------------------------|-------|--------|-------|--------|---------|----------|-------------|
| Dissolved Oxygen | 0.23 | 14.00 | 6.55 | 852165 | 816 | 825 | 0.19 |
| Dissolved Oxygen Saturation | 0.34 | 174.99 | 79.66 | 154357 | 155 | 155 | 0.20 |
| pH | 5.30 | 9.30 | 7.92 | 685020 | 642 | 595 | 0.18 |
| Salinity | 0.00 | 41.10 | 24.55 | 853903 | 0 | 816 | 0.10 |
| Specific Conductivity | 0.01 | 60.71 | 15.58 | 445730 | 398 | 445 | 0.19 |
| Water Temperature | 6.60 | 33.90 | 24.42 | 902592 | 882 | 838 | 0.19 |

Continuous WQ

Indicator: **Water Quality**

Table 5: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|-----------------------------|-------|--------|-------|----------|---------|----------|-------------|
| Dissolved Oxygen | 0.1 | 13.40 | 6.12 | 14177285 | 5296 | 13493 | 0.13 |
| Dissolved Oxygen Saturation | 1.6 | 170.52 | 82.53 | 14278823 | 13641 | 14279 | 0.20 |
| pH | 5.0 | 9.00 | 7.80 | 14780709 | 12287 | 13971 | 0.18 |
| Salinity | 0.0 | 40.80 | 24.05 | 15646708 | 0 | 15450 | 0.10 |
| Water Temperature | 8.1 | 33.80 | 25.53 | 37898674 | 35523 | 35049 | 0.19 |

Indicator: **Water Clarity**

Table 6: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|---------------|-------|--------|-------|----------|---------|----------|-------------|
| Turbidity | 0 | 518 | 11.36 | 14112217 | 0 | 14085 | 0.1 |

Nekton

Low Quantile

Standard Length

Table 7: Flagged Values - Low Indicator Quantile: 1

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|--------|-----------|-------------------|------------|-------------|
| 3571 | 69 | ANM2005070209 | 2005-07-14 | 0.9 |
| 33837 | 69 | APM1998071401 | 1998-07-14 | 0.8 |
| 194228 | 69 | APM1999101203 | 1999-10-12 | 0.7 |
| 36526 | 69 | APM2000091204 | 2000-09-12 | 0.9 |
| 207676 | 69 | APM2000121205 | 2000-12-12 | 0.9 |
| 49034 | 69 | APM2001010701 | 2001-01-11 | 0.7 |
| 120970 | 69 | APM2001010701 | 2001-01-11 | 0.9 |
| 116600 | 69 | APM2001010702 | 2001-01-11 | 0.9 |
| 36407 | 69 | APM2001010703 | 2001-01-11 | 0.9 |
| 41519 | 69 | APM2001010706 | 2001-01-11 | 0.9 |
| 60386 | 69 | APM2001010706 | 2001-01-11 | 0.9 |
| 116788 | 69 | APM2001010706 | 2001-01-11 | 0.7 |
| 18362 | 69 | APM2001020503 | 2001-02-07 | 0.7 |
| 62839 | 69 | APM2001060707 | 2001-06-15 | 0.8 |
| 180740 | 69 | APM2001090406 | 2001-09-10 | 0.9 |
| 209883 | 69 | APM2001090408 | 2001-09-10 | 0.9 |
| 133347 | 69 | APM2002010307 | 2002-01-08 | 0.9 |
| 65041 | 69 | APM2002010406 | 2002-01-09 | 0.8 |
| 84884 | 69 | APM2002010406 | 2002-01-09 | 0.9 |
| 104057 | 69 | APM2002010406 | 2002-01-09 | 0.9 |
| 91327 | 69 | APM2002010407 | 2002-01-09 | 0.9 |
| 36785 | 69 | APM2002010408 | 2002-01-09 | 0.9 |
| 36003 | 69 | APM2002030207 | 2002-03-07 | 0.9 |
| 105750 | 69 | APM2002080705 | 2002-08-14 | 0.9 |
| 74498 | 69 | APM2002091101 | 2002-09-30 | 0.9 |
| 20130 | 69 | APM2002120507 | 2002-12-11 | 0.8 |
| 20151 | 69 | APM2002120507 | 2002-12-11 | 0.9 |
| 73783 | 69 | APM2002120508 | 2002-12-11 | 0.9 |
| 49907 | 69 | APM2003010602 | 2003-01-14 | 0.9 |
| 55012 | 69 | APM2003011004 | 2003-01-22 | 0.9 |
| 68221 | 69 | APM2003020801 | 2003-02-13 | 0.7 |
| 33479 | 69 | APM2003030201 | 2003-03-10 | 0.9 |
| 87483 | 69 | APM2003030606 | 2003-03-14 | 0.6 |
| 142523 | 69 | APM2003030705 | 2003-03-18 | 0.9 |
| 97618 | 69 | APM2003060401 | 2003-06-10 | 0.5 |
| 58052 | 69 | APM2003060903 | 2003-06-24 | 0.7 |
| 334402 | 69 | APM2003060903 | 2003-06-24 | 0.8 |
| 30882 | 69 | APM2003091107 | 2003-09-25 | 0.9 |
| 106699 | 69 | APM2003110202 | 2003-11-04 | 0.9 |
| 305560 | 69 | APM2003110208 | 2003-11-04 | 0.8 |
| 521005 | 69 | APM2003110208 | 2003-11-04 | 0.9 |
| 338080 | 69 | APM2004010304 | 2004-01-08 | 0.9 |
| 20454 | 69 | APM2004010305 | 2004-01-08 | 0.8 |
| 91856 | 69 | APM2004010305 | 2004-01-08 | 0.9 |
| 70736 | 69 | APM2004010404 | 2004-01-09 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|--------|-----------|-------------------|------------|-------------|
| 178373 | 69 | APM2004051101 | 2004-05-20 | 0.7 |
| 184931 | 69 | APM2004051101 | 2004-05-20 | 0.9 |
| 193067 | 69 | APM2004051101 | 2004-05-20 | 0.8 |
| 203496 | 69 | APM2004051101 | 2004-05-20 | 0.9 |
| 212723 | 69 | APM2004051101 | 2004-05-20 | 0.7 |
| 218256 | 69 | APM2004051101 | 2004-05-20 | 0.8 |
| 396609 | 69 | APM2004051101 | 2004-05-20 | 0.9 |
| 51587 | 69 | APM2004060401 | 2004-06-07 | 0.8 |
| 178643 | 69 | APM2004060401 | 2004-06-07 | 0.8 |
| 197403 | 69 | APM2004060401 | 2004-06-07 | 0.9 |
| 198067 | 69 | APM2004060401 | 2004-06-07 | 0.9 |
| 200233 | 69 | APM2004060401 | 2004-06-07 | 0.9 |
| 421825 | 69 | APM2004060401 | 2004-06-07 | 0.7 |
| 222565 | 69 | APM2004070906 | 2004-07-19 | 0.9 |
| 390558 | 69 | APM2004073401 | 2004-07-20 | 0.9 |
| 193266 | 69 | APM2004080701 | 2004-08-20 | 0.8 |
| 227819 | 69 | APM2004080701 | 2004-08-20 | 0.7 |
| 239214 | 69 | APM2004080701 | 2004-08-20 | 0.9 |
| 469252 | 69 | APM2004091005 | 2004-09-24 | 0.9 |
| 94923 | 69 | APM2004110106 | 2004-11-01 | 0.9 |
| 432993 | 69 | APM2004110106 | 2004-11-01 | 0.7 |
| 523812 | 69 | APM2004110106 | 2004-11-01 | 0.8 |
| 17165 | 69 | APM2004110203 | 2004-11-03 | 0.8 |
| 197049 | 69 | APM2004110203 | 2004-11-03 | 0.9 |
| 90997 | 69 | APM2004110204 | 2004-11-03 | 0.9 |
| 91177 | 69 | APM2004110509 | 2004-11-15 | 0.9 |
| 24160 | 69 | APM2004120402 | 2004-12-08 | 0.9 |
| 39864 | 69 | APM2004120801 | 2004-12-16 | 0.9 |
| 480319 | 69 | APM2004120801 | 2004-12-16 | 0.9 |
| 419074 | 69 | APM2005050303 | 2005-05-09 | 0.9 |
| 105694 | 69 | APM2005060103 | 2005-06-02 | 0.8 |
| 107992 | 69 | APM2005060302 | 2005-06-07 | 0.8 |
| 133640 | 69 | APM2005080401 | 2005-08-09 | 0.9 |
| 26484 | 69 | APM2005080501 | 2005-08-10 | 0.8 |
| 135237 | 69 | APM2005080503 | 2005-08-10 | 0.9 |
| 70300 | 69 | APM2005090101 | 2005-09-01 | 0.5 |
| 103933 | 69 | APM2005090101 | 2005-09-01 | 0.9 |
| 131406 | 69 | APM2005090101 | 2005-09-01 | 0.6 |
| 214952 | 69 | APM2005090101 | 2005-09-01 | 0.6 |
| 13079 | 69 | APM2005120305 | 2005-12-02 | 0.9 |
| 183395 | 69 | APM2006061105 | 2006-06-20 | 0.9 |
| 226873 | 69 | APM2006080701 | 2006-08-17 | 0.9 |
| 164813 | 69 | APM2006080702 | 2006-08-17 | 0.9 |
| 124054 | 69 | APM2006080708 | 2006-08-17 | 0.9 |
| 141411 | 69 | APM2006080708 | 2006-08-17 | 0.7 |
| 81754 | 69 | APM2006080904 | 2006-08-21 | 0.8 |
| 136501 | 69 | APM2006080904 | 2006-08-21 | 0.9 |
| 136502 | 69 | APM2006080904 | 2006-08-21 | 0.9 |
| 187553 | 69 | APM2006080904 | 2006-08-21 | 0.9 |
| 64896 | 69 | APM2006081301 | 2006-08-31 | 0.9 |
| 111184 | 69 | APM2006090201 | 2006-09-06 | 0.8 |
| 5042 | 69 | APM2006090704 | 2006-09-15 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|--------|-----------|-------------------|------------|-------------|
| 121853 | 69 | APM2006100506 | 2006-10-10 | 0.9 |
| 67223 | 69 | APM2006110503 | 2006-11-09 | 0.9 |
| 51766 | 69 | APM2006110504 | 2006-11-09 | 0.9 |
| 253481 | 69 | APM2006110504 | 2006-11-09 | 0.8 |
| 179831 | 69 | APM2006110906 | 2006-11-20 | 0.8 |
| 190691 | 69 | APM2006110906 | 2006-11-20 | 0.7 |
| 371794 | 69 | APM2006120810 | 2006-12-12 | 0.9 |
| 504746 | 69 | APM2007020407 | 2007-02-12 | 0.9 |
| 223518 | 69 | APM2007060603 | 2007-06-12 | 0.9 |
| 346527 | 69 | APM2007060603 | 2007-06-12 | 0.8 |
| 426185 | 69 | APM2007060603 | 2007-06-12 | 0.9 |
| 239464 | 69 | APM2007060604 | 2007-06-12 | 0.8 |
| 293561 | 69 | APM2007070401 | 2007-07-09 | 0.9 |
| 82053 | 69 | APM2007070602 | 2007-07-12 | 0.9 |
| 128825 | 69 | APM2007070602 | 2007-07-12 | 0.8 |
| 472534 | 69 | APM2007070901 | 2007-07-18 | 0.9 |
| 191890 | 69 | APM2007070902 | 2007-07-18 | 0.9 |
| 462292 | 69 | APM2007080209 | 2007-08-03 | 0.9 |
| 498121 | 69 | APM2007080209 | 2007-08-03 | 0.8 |
| 445557 | 69 | APM2007080210 | 2007-08-03 | 0.9 |
| 127839 | 69 | APM2007080902 | 2007-08-15 | 0.9 |
| 133103 | 69 | APM2007080902 | 2007-08-15 | 0.8 |
| 85848 | 69 | APM2007080905 | 2007-08-15 | 0.9 |
| 320868 | 69 | APM2007080907 | 2007-08-15 | 0.8 |
| 234794 | 69 | APM2007080908 | 2007-08-15 | 0.9 |
| 173184 | 69 | APM2007090402 | 2007-09-10 | 0.8 |
| 377878 | 69 | APM2007090505 | 2007-09-11 | 0.9 |
| 142750 | 69 | APM2007100501 | 2007-10-10 | 0.9 |
| 245566 | 69 | APM2007110701 | 2007-11-15 | 0.7 |
| 179132 | 69 | APM2007110704 | 2007-11-15 | 0.9 |
| 143275 | 69 | APM2007111106 | 2007-11-28 | 0.8 |
| 190785 | 69 | APM2007111106 | 2007-11-28 | 0.9 |
| 166708 | 69 | APM2007111108 | 2007-11-28 | 0.7 |
| 403363 | 69 | APM2007111108 | 2007-11-28 | 0.9 |
| 432334 | 69 | APM2007111108 | 2007-11-28 | 0.8 |
| 201235 | 69 | APM2007120201 | 2007-12-04 | 0.9 |
| 213669 | 69 | APM2007120709 | 2007-12-11 | 0.9 |
| 191840 | 69 | APM2007121003 | 2007-12-18 | 0.9 |
| 199079 | 69 | APM2008010901 | 2008-01-22 | 0.9 |
| 152725 | 69 | APM2008020502 | 2008-02-11 | 0.9 |
| 176572 | 69 | APM2008030304 | 2008-03-06 | 0.9 |
| 218523 | 69 | APM2008030304 | 2008-03-06 | 0.8 |
| 156074 | 69 | APM2008050807 | 2008-05-19 | 0.9 |
| 292633 | 69 | APM2008051304 | 2008-05-28 | 0.9 |
| 156930 | 69 | APM2008080210 | 2008-08-06 | 0.9 |
| 254669 | 69 | APM2008081003 | 2008-08-20 | 0.8 |
| 339195 | 69 | APM2008081003 | 2008-08-20 | 0.7 |
| 266787 | 69 | APM2008081004 | 2008-08-20 | 0.8 |
| 277502 | 69 | APM2008081307 | 2008-08-28 | 0.9 |
| 413994 | 69 | APM2008081307 | 2008-08-28 | 0.9 |
| 407366 | 69 | APM2008091002 | 2008-09-17 | 0.7 |
| 246292 | 69 | APM2008101004 | 2008-10-17 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 321329 | 69 | APM2008101004 | 2008-10-17 | 0.9 |
| 329065 | 69 | APM2008101004 | 2008-10-17 | 0.8 |
| 116209 | 69 | APM2008101006 | 2008-10-17 | 0.7 |
| 294628 | 69 | APM2008101006 | 2008-10-17 | 0.8 |
| 745933 | 69 | APM2008101006 | 2008-10-17 | 0.9 |
| 211624 | 69 | APM2008110301 | 2008-11-04 | 0.7 |
| 262077 | 69 | APM2008110301 | 2008-11-04 | 0.9 |
| 243114 | 69 | APM2008110304 | 2008-11-04 | 0.9 |
| 755680 | 69 | APM2008110304 | 2008-11-04 | 0.7 |
| 157384 | 69 | APM2008110306 | 2008-11-04 | 0.9 |
| 255135 | 69 | APM2008110306 | 2008-11-04 | 0.8 |
| 177656 | 69 | APM2008110307 | 2008-11-04 | 0.9 |
| 447941 | 69 | APM2008110307 | 2008-11-04 | 0.8 |
| 217644 | 69 | APM2008120802 | 2008-12-16 | 0.8 |
| 283359 | 69 | APM2008120802 | 2008-12-16 | 0.9 |
| 197932 | 69 | APM2008120803 | 2008-12-16 | 0.9 |
| 283360 | 69 | APM2008120803 | 2008-12-16 | 0.7 |
| 298245 | 69 | APM2008120805 | 2008-12-16 | 0.9 |
| 193083 | 69 | APM2008120806 | 2008-12-16 | 0.9 |
| 338552 | 69 | APM2009010705 | 2009-01-15 | 0.8 |
| 397179 | 69 | APM2009010707 | 2009-01-15 | 0.9 |
| 211416 | 69 | APM2009010708 | 2009-01-15 | 0.7 |
| 83660 | 69 | APM2009020604 | 2009-02-12 | 0.9 |
| 120001 | 69 | APM2009020904 | 2009-02-24 | 0.9 |
| 276713 | 69 | APM2009030403 | 2009-03-10 | 0.9 |
| 428391 | 69 | APM2009040604 | 2009-04-15 | 0.9 |
| 180119 | 69 | APM2009050205 | 2009-05-06 | 0.9 |
| 140096 | 69 | APM2009050507 | 2009-05-14 | 0.9 |
| 499003 | 69 | APM2009051105 | 2009-05-27 | 0.9 |
| 162392 | 69 | APM2009060102 | 2009-06-01 | 0.8 |
| 737961 | 69 | APM2009060601 | 2009-06-11 | 0.9 |
| 314701 | 69 | APM2009061102 | 2009-06-24 | 0.9 |
| 330155 | 69 | APM2009070701 | 2009-07-16 | 0.9 |
| 95588 | 69 | APM2009071004 | 2009-07-28 | 0.9 |
| 141134 | 69 | APM2009071005 | 2009-07-28 | 0.9 |
| 1090386 | 69 | APM2009090502 | 2009-09-16 | 0.9 |
| 254413 | 69 | APM2009090907 | 2009-09-24 | 0.8 |
| 394591 | 69 | APM2009090907 | 2009-09-24 | 0.9 |
| 163457 | 69 | APM2009100808 | 2009-10-14 | 0.9 |
| 274121 | 69 | APM2009100808 | 2009-10-14 | 0.8 |
| 440787 | 69 | APM2009110709 | 2009-11-17 | 0.9 |
| 226429 | 69 | APM2009110802 | 2009-11-18 | 0.9 |
| 880987 | 69 | APM2009110802 | 2009-11-18 | 0.8 |
| 70415 | 69 | APM2009110807 | 2009-11-18 | 0.8 |
| 373023 | 69 | APM2009110807 | 2009-11-18 | 0.9 |
| 149956 | 69 | APM2009120503 | 2009-12-09 | 0.8 |
| 193124 | 69 | APM2009120503 | 2009-12-09 | 0.9 |
| 554488 | 69 | APM2009120504 | 2009-12-09 | 0.9 |
| 246135 | 69 | APM2009120601 | 2009-12-14 | 0.8 |
| 391013 | 69 | APM2009120601 | 2009-12-14 | 0.9 |
| 459529 | 69 | APM2009120601 | 2009-12-14 | 0.7 |
| 399008 | 69 | APM2009120602 | 2009-12-14 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
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| 146167 | 69 | APM2010010303 | 2010-01-11 | 0.8 |
| 163920 | 69 | APM2010010303 | 2010-01-11 | 0.7 |
| 365362 | 69 | APM2010010303 | 2010-01-11 | 0.6 |
| 410318 | 69 | APM2010010303 | 2010-01-11 | 0.8 |
| 439137 | 69 | APM2010010303 | 2010-01-11 | 0.9 |
| 445533 | 69 | APM2010010303 | 2010-01-11 | 0.5 |
| 817935 | 69 | APM2010010303 | 2010-01-11 | 0.9 |
| 405354 | 69 | APM2010010304 | 2010-01-11 | 0.9 |
| 164016 | 69 | APM2010010601 | 2010-01-19 | 0.7 |
| 362645 | 69 | APM2010010601 | 2010-01-19 | 0.9 |
| 71218 | 69 | APM2010010602 | 2010-01-19 | 0.8 |
| 71219 | 69 | APM2010010602 | 2010-01-19 | 0.9 |
| 120640 | 69 | APM2010010603 | 2010-01-19 | 0.9 |
| 191048 | 69 | APM2010010603 | 2010-01-19 | 0.8 |
| 234362 | 69 | APM2010010605 | 2010-01-19 | 0.8 |
| 814773 | 69 | APM2010010605 | 2010-01-19 | 0.9 |
| 435598 | 69 | APM2010010606 | 2010-01-19 | 0.9 |
| 123869 | 69 | APM2010030405 | 2010-03-05 | 0.9 |
| 846539 | 69 | APM2010030608 | 2010-03-09 | 0.9 |
| 86741 | 69 | APM2010030801 | 2010-03-19 | 0.9 |
| 135507 | 69 | APM2010051004 | 2010-05-18 | 0.9 |
| 129618 | 69 | APM2010051205 | 2010-05-20 | 0.6 |
| 317498 | 69 | APM2010051205 | 2010-05-20 | 0.9 |
| 438066 | 69 | APM2010100605 | 2010-10-11 | 0.9 |
| 250558 | 69 | APM2010100608 | 2010-10-11 | 0.8 |
| 362756 | 69 | APM2010101202 | 2010-10-27 | 0.8 |
| 240727 | 69 | APM2010110206 | 2010-11-02 | 0.9 |
| 632319 | 69 | APM2010110206 | 2010-11-02 | 0.7 |
| 83971 | 69 | APM2010120809 | 2010-12-15 | 0.9 |
| 347009 | 69 | APM2010120809 | 2010-12-15 | 0.9 |
| 208037 | 69 | APM2011030710 | 2011-03-16 | 0.8 |
| 186636 | 69 | APM2011040504 | 2011-04-08 | 0.9 |
| 144915 | 69 | APM2011060602 | 2011-06-10 | 0.9 |
| 170944 | 69 | APM2011080808 | 2011-08-15 | 0.9 |
| 374553 | 69 | APM2011090202 | 2011-09-08 | 0.9 |
| 1266726 | 69 | APM2011090703 | 2011-09-15 | 0.9 |
| 441571 | 69 | APM2011100505 | 2011-10-12 | 0.9 |
| 494213 | 69 | APM2011100505 | 2011-10-12 | 0.8 |
| 197628 | 69 | APM2011110106 | 2011-11-01 | 0.7 |
| 85171 | 69 | APM2011110208 | 2011-11-02 | 0.8 |
| 279385 | 69 | APM2011120608 | 2011-12-08 | 0.7 |
| 321241 | 69 | APM2011120608 | 2011-12-08 | 0.9 |
| 443944 | 69 | APM2012010204 | 2012-01-05 | 0.9 |
| 300626 | 69 | APM2012010205 | 2012-01-05 | 0.9 |
| 139190 | 69 | APM2012010607 | 2012-01-17 | 0.8 |
| 338744 | 69 | APM2012010607 | 2012-01-17 | 0.8 |
| 414268 | 69 | APM2012010607 | 2012-01-17 | 0.7 |
| 338240 | 69 | APM2012020204 | 2012-02-02 | 0.9 |
| 435683 | 69 | APM2012020204 | 2012-02-02 | 0.8 |
| 130213 | 69 | APM2012040203 | 2012-04-03 | 0.7 |
| 253610 | 69 | APM2012040203 | 2012-04-03 | 0.8 |
| 271822 | 69 | APM2012040203 | 2012-04-03 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|--------|-----------|-------------------|------------|-------------|
| 343973 | 69 | APM2012040207 | 2012-04-03 | 0.9 |
| 365113 | 69 | APM2012040207 | 2012-04-03 | 0.8 |
| 212239 | 69 | APM2012050108 | 2012-05-01 | 0.7 |
| 358308 | 69 | APM2012050209 | 2012-05-02 | 0.9 |
| 567361 | 69 | APM2012050304 | 2012-05-03 | 0.9 |
| 337409 | 69 | APM2012050901 | 2012-05-18 | 0.9 |
| 128273 | 69 | APM2012060602 | 2012-06-12 | 0.9 |
| 137147 | 69 | APM2012060602 | 2012-06-12 | 0.6 |
| 216960 | 69 | APM2012060602 | 2012-06-12 | 0.9 |
| 361413 | 69 | APM2012060602 | 2012-06-12 | 0.8 |
| 541765 | 69 | APM2012060602 | 2012-06-12 | 0.7 |
| 312847 | 69 | APM2012060901 | 2012-06-14 | 0.8 |
| 544851 | 69 | APM2012060905 | 2012-06-14 | 0.6 |
| 277163 | 69 | APM2012070902 | 2012-07-23 | 0.8 |
| 654021 | 69 | APM2012071401 | 2012-07-31 | 0.8 |
| 323257 | 69 | APM2012080104 | 2012-08-02 | 0.9 |
| 348598 | 69 | APM2012090605 | 2012-09-14 | 0.9 |
| 189120 | 69 | APM2012100709 | 2012-10-16 | 0.8 |
| 322330 | 69 | APM2012110608 | 2012-11-07 | 0.9 |
| 289861 | 69 | APM2012110903 | 2012-11-15 | 0.9 |
| 347099 | 69 | APM2012110903 | 2012-11-15 | 0.5 |
| 426766 | 69 | APM2012110903 | 2012-11-15 | 0.8 |
| 448628 | 69 | APM2012110903 | 2012-11-15 | 0.7 |
| 229172 | 69 | APM2012111003 | 2012-11-16 | 0.9 |
| 135412 | 69 | APM2013010601 | 2013-01-14 | 0.9 |
| 384952 | 69 | APM2013010705 | 2013-01-15 | 0.9 |
| 577567 | 69 | APM2013030701 | 2013-03-15 | 0.9 |
| 146109 | 69 | APM2013040401 | 2013-04-08 | 0.9 |
| 274603 | 69 | APM2013040402 | 2013-04-08 | 0.8 |
| 336744 | 69 | APM2013080905 | 2013-08-12 | 0.9 |
| 189898 | 69 | APM2013090501 | 2013-09-12 | 0.8 |
| 895231 | 69 | APM2013090501 | 2013-09-12 | 0.9 |
| 363444 | 69 | APM2013090502 | 2013-09-12 | 0.7 |
| 366474 | 69 | APM2013090704 | 2013-09-13 | 0.8 |
| 374981 | 69 | APM2013110304 | 2013-11-05 | 0.9 |
| 483020 | 69 | APM2013110606 | 2013-11-12 | 0.9 |
| 216124 | 69 | APM2013120103 | 2013-12-02 | 0.9 |
| 70523 | 69 | APM2013120106 | 2013-12-02 | 0.9 |
| 156129 | 69 | APM2013120106 | 2013-12-02 | 0.7 |
| 412446 | 69 | APM2013120106 | 2013-12-02 | 0.8 |
| 453277 | 69 | APM2013120106 | 2013-12-02 | 0.9 |
| 159598 | 69 | APM2013120407 | 2013-12-05 | 0.9 |
| 296134 | 69 | APM2013120407 | 2013-12-05 | 0.8 |
| 571871 | 69 | APM2013120808 | 2013-12-11 | 0.8 |
| 400255 | 69 | APM2014020805 | 2014-02-14 | 0.9 |
| 320489 | 69 | APM2014070801 | 2014-07-11 | 0.8 |
| 409711 | 69 | APM2014071505 | 2014-07-24 | 0.7 |
| 278556 | 69 | APM2014080702 | 2014-08-11 | 0.8 |
| 292851 | 69 | APM2014090302 | 2014-09-04 | 0.8 |
| 636404 | 69 | APM2014090507 | 2014-09-10 | 0.8 |
| 341753 | 69 | APM2014100204 | 2014-10-02 | 0.9 |
| 255685 | 69 | APM2014100303 | 2014-10-03 | 0.7 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|--------|-----------|-------------------|------------|-------------|
| 298167 | 69 | APM2014100303 | 2014-10-03 | 0.9 |
| 299921 | 69 | APM2014100303 | 2014-10-03 | 0.8 |
| 380835 | 69 | APM2014100303 | 2014-10-03 | 0.9 |
| 384513 | 69 | APM2014100303 | 2014-10-03 | 0.9 |
| 414898 | 69 | APM2014100303 | 2014-10-03 | 0.8 |
| 640580 | 69 | APM2014100303 | 2014-10-03 | 0.8 |
| 272792 | 69 | APM2014100803 | 2014-10-15 | 0.9 |
| 274697 | 69 | APM2014101104 | 2014-10-23 | 0.8 |
| 288938 | 69 | APM2014101104 | 2014-10-23 | 0.7 |
| 356902 | 69 | APM2014101104 | 2014-10-23 | 0.9 |
| 596963 | 69 | APM2014120705 | 2014-12-11 | 0.9 |
| 311022 | 69 | APM2015050405 | 2015-05-06 | 0.9 |
| 276068 | 69 | APM2015050505 | 2015-05-07 | 0.8 |
| 351935 | 69 | APM2015050505 | 2015-05-07 | 0.9 |
| 639306 | 69 | APM2015050505 | 2015-05-07 | 0.9 |
| 295238 | 69 | APM2015060106 | 2015-06-01 | 0.9 |
| 431667 | 69 | APM2015070204 | 2015-07-02 | 0.8 |
| 588423 | 69 | APM2015070204 | 2015-07-02 | 0.6 |
| 427522 | 69 | APM2015090601 | 2015-09-09 | 0.9 |
| 153783 | 69 | APM2015090605 | 2015-09-09 | 0.7 |
| 285140 | 69 | APM2015090605 | 2015-09-09 | 0.9 |
| 204488 | 69 | APM2015090906 | 2015-09-16 | 0.9 |
| 326162 | 69 | APM2015090906 | 2015-09-16 | 0.8 |
| 390573 | 69 | APM2015090906 | 2015-09-16 | 0.7 |
| 462362 | 69 | APM2015110101 | 2015-11-02 | 0.9 |
| 469392 | 69 | APM2015120306 | 2015-12-07 | 0.8 |
| 457298 | 69 | APM2015120402 | 2015-12-08 | 0.9 |
| 519485 | 69 | APM2016010505 | 2016-01-13 | 0.8 |
| 279845 | 69 | APM2016020202 | 2016-02-01 | 0.9 |
| 294524 | 69 | APM2016020202 | 2016-02-01 | 0.8 |
| 375379 | 69 | APM2016020203 | 2016-02-01 | 0.8 |
| 444099 | 69 | APM2016020203 | 2016-02-01 | 0.7 |
| 519281 | 69 | APM2016020203 | 2016-02-01 | 0.6 |
| 630945 | 69 | APM2016020203 | 2016-02-01 | 0.9 |
| 491707 | 69 | APM2016020204 | 2016-02-01 | 0.7 |
| 660100 | 69 | APM2016020204 | 2016-02-01 | 0.9 |
| 709619 | 69 | APM2016020406 | 2016-02-02 | 0.7 |
| 213092 | 69 | APM2016040507 | 2016-04-07 | 0.9 |
| 280120 | 69 | APM2016060804 | 2016-06-09 | 0.8 |
| 372373 | 69 | APM2016061103 | 2016-06-15 | 0.7 |
| 484379 | 69 | APM2016061103 | 2016-06-15 | 0.8 |
| 528864 | 69 | APM2016061103 | 2016-06-15 | 0.9 |
| 753505 | 69 | APM2016061103 | 2016-06-15 | 0.6 |
| 375063 | 69 | APM2016080103 | 2016-08-02 | 0.8 |
| 379978 | 69 | APM2016100503 | 2016-10-10 | 0.7 |
| 344822 | 69 | APM2016120205 | 2016-12-02 | 0.9 |
| 354399 | 69 | APM2016120402 | 2016-12-06 | 0.8 |
| 197211 | 69 | APM2016120608 | 2016-12-08 | 0.9 |
| 325122 | 69 | APM2016120704 | 2016-12-12 | 0.8 |
| 442044 | 69 | APM2017010306 | 2017-01-05 | 0.8 |
| 385683 | 69 | APM2017010401 | 2017-01-06 | 0.7 |
| 567759 | 69 | APM2017010401 | 2017-01-06 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
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| 424735 | 69 | APM2017020110 | 2017-02-01 | 0.9 |
| 344538 | 69 | APM2017020409 | 2017-02-02 | 0.9 |
| 546886 | 69 | APM2017030306 | 2017-03-07 | 0.8 |
| 266265 | 69 | APM2017040107 | 2017-04-04 | 0.9 |
| 388057 | 69 | APM2017040107 | 2017-04-04 | 0.9 |
| 654710 | 69 | APM2017060405 | 2017-06-05 | 0.6 |
| 636709 | 69 | APM2017061302 | 2017-06-23 | 0.9 |
| 694436 | 69 | APM2017080304 | 2017-08-02 | 0.8 |
| 452864 | 69 | APM2017090503 | 2017-09-13 | 0.6 |
| 466474 | 69 | APM2017090504 | 2017-09-13 | 0.9 |
| 675662 | 69 | APM2017090608 | 2017-09-13 | 0.9 |
| 1251202 | 69 | APM2017090801 | 2017-09-14 | 0.8 |
| 513011 | 69 | APM2017110105 | 2017-11-01 | 0.8 |
| 757771 | 69 | APM2017110105 | 2017-11-01 | 0.8 |
| 773726 | 69 | APM2017110105 | 2017-11-01 | 0.9 |
| 796409 | 69 | APM2017110105 | 2017-11-01 | 0.7 |
| 2211777 | 69 | APM2018010805 | 2018-01-16 | 0.9 |
| 2808313 | 69 | APM2018010805 | 2018-01-16 | 0.8 |
| 1684982 | 69 | APM2018020701 | 2018-02-14 | 0.8 |
| 2810279 | 69 | APM2018020701 | 2018-02-14 | 0.9 |
| 2211891 | 69 | APM2018020805 | 2018-02-14 | 0.9 |
| 2396448 | 69 | APM2018030104 | 2018-03-05 | 0.9 |
| 1948481 | 69 | APM2018080708 | 2018-08-13 | 0.8 |
| 1351187 | 69 | APM2018100101 | 2018-10-01 | 0.7 |
| 1730643 | 69 | APM2018100101 | 2018-10-01 | 0.8 |
| 2322105 | 69 | APM2018100101 | 2018-10-01 | 0.9 |
| 1760684 | 69 | APM2018101001 | 2018-10-23 | 0.9 |
| 2104902 | 69 | APM2018101001 | 2018-10-23 | 0.5 |
| 2048547 | 69 | APM2018110601 | 2018-11-07 | 0.7 |
| 2304767 | 69 | APM2018110601 | 2018-11-07 | 0.8 |
| 1760866 | 69 | APM2018110602 | 2018-11-07 | 0.9 |
| 2125769 | 69 | APM2018120601 | 2018-12-11 | 0.9 |
| 2125781 | 69 | APM2018120601 | 2018-12-11 | 0.9 |
| 2231154 | 69 | APM2019010201 | 2019-01-03 | 0.9 |
| 2378595 | 69 | APM2019010201 | 2019-01-03 | 0.8 |
| 860098 | 69 | APM2019010202 | 2019-01-03 | 0.8 |
| 1363768 | 69 | APM2019010202 | 2019-01-03 | 0.9 |
| 2050559 | 69 | APM2019010202 | 2019-01-03 | 0.8 |
| 2352779 | 69 | APM2019010202 | 2019-01-03 | 0.9 |
| 1277014 | 69 | APM2019010203 | 2019-01-03 | 0.7 |
| 1960023 | 69 | APM2019010203 | 2019-01-03 | 0.8 |
| 2050999 | 69 | APM2019010203 | 2019-01-03 | 0.9 |
| 2055638 | 69 | APM2019010203 | 2019-01-03 | 0.8 |
| 2231613 | 69 | APM2019010203 | 2019-01-03 | 0.5 |
| 2241532 | 69 | APM2019010203 | 2019-01-03 | 0.7 |
| 2281018 | 69 | APM2019010203 | 2019-01-03 | 0.9 |
| 1861473 | 69 | APM2019010502 | 2019-01-09 | 0.9 |
| 1671403 | 69 | APM2019020207 | 2019-02-05 | 0.8 |
| 2049298 | 69 | APM2019020207 | 2019-02-05 | 0.9 |
| 2423962 | 69 | APM2019020804 | 2019-02-21 | 0.8 |
| 1687671 | 69 | APM2019070406 | 2019-07-08 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
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| 1793516 | 69 | APM2019080504 | 2019-08-06 | 0.9 |
| 2321316 | 69 | APM2019080601 | 2019-08-06 | 0.7 |
| 1959441 | 69 | APM2019080705 | 2019-08-07 | 0.7 |
| 1706083 | 69 | APM2019080802 | 2019-08-08 | 0.7 |
| 1774097 | 69 | APM2019080802 | 2019-08-08 | 0.8 |
| 1710405 | 69 | APM2019081402 | 2019-08-20 | 0.7 |
| 1714929 | 69 | APM2019081402 | 2019-08-20 | 0.9 |
| 1353540 | 69 | APM2019090201 | 2019-09-05 | 0.9 |
| 2149917 | 69 | APM2019090201 | 2019-09-05 | 0.9 |
| 2387377 | 69 | APM2019090201 | 2019-09-05 | 0.8 |
| 1454020 | 69 | APM2019090403 | 2019-09-06 | 0.8 |
| 1664163 | 69 | APM2019090403 | 2019-09-06 | 0.5 |
| 2298743 | 69 | APM2019090506 | 2019-09-09 | 0.9 |
| 2180817 | 69 | APM2019090703 | 2019-09-07 | 0.9 |
| 1939546 | 69 | APM2019110101 | 2019-11-04 | 0.9 |
| 2019287 | 69 | APM2019110701 | 2019-11-15 | 0.8 |
| 2102560 | 69 | APM2019110701 | 2019-11-15 | 0.9 |
| 2016492 | 69 | APM2019120202 | 2019-12-02 | 0.9 |
| 2550859 | 69 | APM2019120202 | 2019-12-02 | 0.7 |
| 1494269 | 69 | APM2019120203 | 2019-12-02 | 0.8 |
| 1323724 | 69 | APM2019120303 | 2019-12-03 | 0.8 |
| 2224235 | 69 | APM2020010105 | 2020-01-06 | 0.9 |
| 2499475 | 69 | APM2020010105 | 2020-01-06 | 0.8 |
| 1949824 | 69 | APM2020010106 | 2020-01-06 | 0.9 |
| 1980116 | 69 | APM2020010210 | 2020-01-06 | 0.7 |
| 1999690 | 69 | APM2020010210 | 2020-01-06 | 0.8 |
| 2524772 | 69 | APM2020010210 | 2020-01-06 | 0.9 |
| 2276852 | 69 | APM2020010212 | 2020-01-06 | 0.9 |
| 1978018 | 69 | APM2020010302 | 2020-01-07 | 0.9 |
| 2559217 | 69 | APM2020010302 | 2020-01-07 | 0.7 |
| 2370131 | 69 | APM2020040201 | 2020-04-01 | 0.9 |
| 2180424 | 69 | APM2020060403 | 2020-06-10 | 0.9 |
| 2183305 | 69 | APM2020070901 | 2020-07-16 | 0.9 |
| 2183306 | 69 | APM2020070901 | 2020-07-16 | 0.7 |
| 1948640 | 69 | APM2020090706 | 2020-09-25 | 0.9 |
| 2049816 | 69 | APM2020100205 | 2020-10-06 | 0.9 |
| 2044336 | 69 | APM2021050801 | 2021-05-25 | 0.7 |
| 2121260 | 69 | APM2021050801 | 2021-05-25 | 0.8 |
| 2240519 | 69 | APM2021050801 | 2021-05-25 | 0.9 |
| 2964656 | 69 | APM2021050801 | 2021-05-25 | 0.6 |
| 1329316 | 69 | APM2021060602 | 2021-06-08 | 0.9 |
| 2548865 | 69 | APM2021070403 | 2021-07-08 | 0.9 |
| 2182674 | 69 | APM2021070404 | 2021-07-08 | 0.8 |
| 2190191 | 69 | APM2021070404 | 2021-07-08 | 0.9 |
| 2259203 | 69 | APM2021070404 | 2021-07-08 | 0.9 |
| 2542940 | 69 | APM2021070404 | 2021-07-08 | 0.8 |
| 2548868 | 69 | APM2021070404 | 2021-07-08 | 0.7 |
| 2859939 | 69 | APM2021070404 | 2021-07-08 | 0.7 |
| 2907868 | 69 | APM2021070404 | 2021-07-08 | 0.6 |
| 2182698 | 69 | APM2021070405 | 2021-07-08 | 0.7 |
| 2300309 | 69 | APM2021070405 | 2021-07-08 | 0.8 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2891078 | 69 | APM2021090301 | 2021-09-10 | 0.9 |
| 2345528 | 69 | APM2021100101 | 2021-10-01 | 0.9 |
| 2961831 | 69 | APM2021100102 | 2021-10-01 | 0.9 |
| 2295132 | 69 | APM2022010201 | 2022-01-13 | 0.7 |
| 2275151 | 69 | APM2022010202 | 2022-01-13 | 0.8 |
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| 2368312 | 69 | APM2022070205 | 2022-07-05 | 0.8 |
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| 2360493 | 69 | APM2022070801 | 2022-07-19 | 0.6 |
| 2497246 | 69 | APM2022070801 | 2022-07-19 | 0.8 |
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| 2590932 | 69 | APM2022110706 | 2022-11-07 | 0.9 |
| 2767364 | 69 | APM2022110706 | 2022-11-07 | 0.8 |
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| 808002 | 69 | BBM2009100107 | 2009-10-26 | 0.8 |
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| 453103 | 69 | BBM2011050201 | 2011-05-10 | 0.3 |
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| 641636 | 69 | BBM2014060110 | 2014-06-17 | 0.9 |
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| 678505 | 69 | CHM2014010406 | 2014-01-23 | 0.8 |
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| 1598293 | 69 | CKM2014060304 | 2014-06-03 | 0.6 |
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| 1294548 | 69 | IRM2016051305 | 2016-05-23 | 0.8 |
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| 1480959 | 69 | IRM2016091103 | 2016-09-28 | 0.9 |
| 1078720 | 69 | IRM2016091105 | 2016-09-28 | 0.9 |
| 1575977 | 69 | IRM2016120707 | 2016-12-12 | 0.9 |
| 1116418 | 69 | IRM2017010306 | 2017-01-09 | 0.9 |
| 1579947 | 69 | IRM2017010306 | 2017-01-09 | 0.8 |
| 1585511 | 69 | IRM2017030405 | 2017-03-06 | 0.9 |
| 1628884 | 69 | IRM2017030408 | 2017-03-06 | 0.9 |
| 2086277 | 69 | IRM2017060206 | 2017-06-02 | 0.9 |
| 1295814 | 69 | IRM2017081101 | 2017-08-18 | 0.8 |
| 1665624 | 69 | IRM2017090803 | 2017-09-19 | 0.6 |
| 1750487 | 69 | IRM2017091203 | 2017-09-25 | 0.9 |
| 2124312 | 69 | IRM2017100108 | 2017-10-02 | 0.9 |
| 879722 | 69 | IRM2017100506 | 2017-10-09 | 0.9 |
| 2288709 | 69 | IRM2018020707 | 2018-02-21 | 0.9 |
| 1954130 | 69 | IRM2018030202 | 2018-03-02 | 0.9 |
| 2497866 | 69 | IRM2018030401 | 2018-03-06 | 0.9 |
| 1707323 | 69 | IRM2018050802 | 2018-05-17 | 0.9 |
| 2464800 | 69 | IRM2018050802 | 2018-05-17 | 0.8 |
| 2756154 | 69 | IRM2018070503 | 2018-07-09 | 0.9 |
| 2490689 | 69 | IRM2018080403 | 2018-08-06 | 0.9 |
| 2659128 | 69 | IRM2018080403 | 2018-08-06 | 0.9 |
| 2674662 | 69 | IRM2018091002 | 2018-09-19 | 0.9 |
| 2946568 | 69 | IRM2018101304 | 2018-10-19 | 0.9 |
| 2280231 | 69 | IRM2018110403 | 2018-11-06 | 0.9 |
| 2231594 | 69 | IRM2018120606 | 2018-12-10 | 0.9 |
| 1888096 | 69 | IRM2019030803 | 2019-03-13 | 0.8 |
| 1989358 | 69 | IRM2019060405 | 2019-06-07 | 0.9 |
| 1843482 | 69 | IRM2019090901 | 2019-09-20 | 0.9 |
| 1768313 | 69 | IRM2019101305 | 2019-10-24 | 0.9 |
| 2200893 | 69 | IRM2020010902 | 2020-01-17 | 0.8 |
| 2659982 | 69 | IRM2020020607 | 2020-02-17 | 0.9 |
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| 2254582 | 69 | IRM2020100801 | 2020-10-14 | 0.8 |
| 1980926 | 69 | IRM2020100804 | 2020-10-14 | 0.9 |
| 1242619 | 69 | IRM2020120402 | 2020-12-07 | 0.5 |
| 1309269 | 69 | IRM2020120402 | 2020-12-07 | 0.9 |
| 1962904 | 69 | IRM2020120402 | 2020-12-07 | 0.6 |
| 1962905 | 69 | IRM2020120402 | 2020-12-07 | 0.8 |
| 2666771 | 69 | IRM2020120402 | 2020-12-07 | 0.7 |
| 2159251 | 69 | JXM2002090404 | 2002-09-11 | 0.9 |
| 1341860 | 69 | JXM2002090804 | 2002-09-19 | 0.8 |
| 1145756 | 69 | JXM2002120503 | 2002-12-16 | 0.9 |
| 1747632 | 69 | JXM2002120503 | 2002-12-16 | 0.8 |
| 799368 | 69 | JXM2003030206 | 2003-03-05 | 0.9 |
| 1303428 | 69 | JXM2003050503 | 2003-05-13 | 0.9 |
| 1319034 | 69 | JXM2003050601 | 2003-05-15 | 0.9 |
| 1245676 | 69 | JXM2003050602 | 2003-05-15 | 0.8 |
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| 1542136 | 69 | JXM2003110308 | 2003-11-12 | 0.8 |

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| 2109576 | 69 | JXM2004090901 | 2004-09-24 | 0.9 |
| 1468461 | 69 | JXM2004110307 | 2004-11-04 | 0.9 |
| 1488170 | 69 | JXM2004110307 | 2004-11-04 | 0.8 |
| 1503660 | 69 | JXM2004110509 | 2004-11-10 | 0.8 |
| 1454701 | 69 | JXM2004111104 | 2004-11-23 | 0.9 |
| 1468486 | 69 | JXM2004111104 | 2004-11-23 | 0.8 |
| 1392194 | 69 | JXM2004120207 | 2004-12-02 | 0.9 |
| 1732215 | 69 | JXM2004120207 | 2004-12-02 | 0.8 |
| 777570 | 69 | JXM2004120208 | 2004-12-02 | 0.9 |
| 814136 | 69 | JXM2004120208 | 2004-12-02 | 0.8 |
| 1363935 | 69 | JXM2004120208 | 2004-12-02 | 0.7 |
| 1384818 | 69 | JXM2004120209 | 2004-12-02 | 0.8 |
| 1414435 | 69 | JXM2004120209 | 2004-12-02 | 0.6 |
| 1420596 | 69 | JXM2004120209 | 2004-12-02 | 0.9 |
| 1829419 | 69 | JXM2004120209 | 2004-12-02 | 0.7 |
| 856727 | 69 | JXM2004120604 | 2004-12-09 | 0.9 |
| 1539512 | 69 | JXM2005050408 | 2005-05-11 | 0.8 |
| 930550 | 69 | JXM2005060708 | 2005-06-20 | 0.5 |
| 1428756 | 69 | JXM2005080501 | 2005-08-08 | 0.8 |
| 1551980 | 69 | JXM2005090404 | 2005-09-19 | 0.9 |
| 1160061 | 69 | JXM2005090505 | 2005-09-09 | 0.9 |
| 1371123 | 69 | JXM2005100309 | 2005-10-26 | 0.8 |
| 1500748 | 69 | JXM2005110201 | 2005-11-08 | 0.8 |
| 1357939 | 69 | JXM2005110310 | 2005-11-09 | 0.8 |
| 1765165 | 69 | JXM2005110310 | 2005-11-09 | 0.9 |
| 1506456 | 69 | JXM2005120202 | 2005-12-13 | 0.7 |
| 1597695 | 69 | JXM2006010506 | 2006-01-06 | 0.9 |
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| 1202051 | 69 | JXM2006050301 | 2006-05-08 | 0.9 |
| 1607530 | 69 | JXM2006070303 | 2006-07-14 | 0.7 |
| 1204800 | 69 | JXM2006070402 | 2006-07-20 | 0.7 |
| 1610507 | 69 | JXM2006100403 | 2006-10-26 | 0.8 |
| 1076589 | 69 | JXM2007090107 | 2007-09-10 | 0.7 |
| 1166419 | 69 | JXM2007110506 | 2007-11-13 | 0.8 |
| 1279119 | 69 | JXM2007110506 | 2007-11-13 | 0.9 |
| 1498504 | 69 | JXM2007110506 | 2007-11-13 | 0.7 |
| 1546623 | 69 | JXM2008020406 | 2008-02-21 | 0.9 |
| 1712214 | 69 | JXM2008020406 | 2008-02-21 | 0.9 |
| 1779664 | 69 | JXM2008030402 | 2008-03-17 | 0.9 |
| 1499872 | 69 | JXM2008050403 | 2008-05-08 | 0.8 |
| 1769634 | 69 | JXM2008060305 | 2008-06-06 | 0.9 |
| 702057 | 69 | JXM2008120204 | 2008-12-08 | 0.6 |
| 702058 | 69 | JXM2008120204 | 2008-12-08 | 0.9 |
| 1578276 | 69 | JXM2009010206 | 2009-01-09 | 0.9 |
| 1716223 | 69 | JXM2009010208 | 2009-01-09 | 0.9 |
| 1482845 | 69 | JXM2009010305 | 2009-01-12 | 0.9 |
| 1593522 | 69 | JXM2009010305 | 2009-01-12 | 0.9 |
| 1277103 | 69 | JXM2009080201 | 2009-08-24 | 0.9 |
| 1403988 | 69 | JXM2009080201 | 2009-08-24 | 0.7 |
| 1768304 | 69 | JXM2009080201 | 2009-08-24 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
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| 2130489 | 69 | JXM2009080201 | 2009-08-24 | 0.8 |
| 852157 | 69 | JXM2010020306 | 2010-02-02 | 0.9 |
| 1505831 | 69 | JXM2010020306 | 2010-02-02 | 0.9 |
| 1396053 | 69 | JXM2010040407 | 2010-04-20 | 0.9 |
| 1097131 | 69 | JXM2010050405 | 2010-05-18 | 0.8 |
| 1158949 | 69 | JXM2010050405 | 2010-05-18 | 0.6 |
| 1403299 | 69 | JXM2010050405 | 2010-05-18 | 0.7 |
| 1765154 | 69 | JXM2010050405 | 2010-05-18 | 0.9 |
| 2079127 | 69 | JXM2010050405 | 2010-05-18 | 0.6 |
| 2131738 | 69 | JXM2010050405 | 2010-05-18 | 0.9 |
| 1721947 | 69 | JXM2010060302 | 2010-06-02 | 0.8 |
| 1698319 | 69 | JXM2010081303 | 2010-08-27 | 0.9 |
| 1382651 | 69 | JXM2010090208 | 2010-09-09 | 0.9 |
| 1239077 | 69 | JXM2010090403 | 2010-09-08 | 0.9 |
| 1241362 | 69 | JXM2010100209 | 2010-10-08 | 0.9 |
| 2079299 | 69 | JXM2010111203 | 2010-11-23 | 0.9 |
| 1590691 | 69 | JXM2011020202 | 2011-02-03 | 0.8 |
| 2079306 | 69 | JXM2011020508 | 2011-02-23 | 0.8 |
| 1335837 | 69 | JXM2011081303 | 2011-08-19 | 0.9 |
| 922131 | 69 | JXM2011081305 | 2011-08-19 | 0.8 |
| 1049406 | 69 | JXM2011081305 | 2011-08-19 | 0.7 |
| 2151860 | 69 | JXM2011081305 | 2011-08-19 | 0.9 |
| 1454878 | 69 | JXM2012010301 | 2012-01-25 | 0.9 |
| 1349796 | 69 | JXM2012010404 | 2012-01-05 | 0.9 |
| 2088163 | 69 | JXM2012030304 | 2012-03-28 | 0.9 |
| 1193101 | 69 | JXM2012030409 | 2012-03-16 | 0.9 |
| 1381212 | 69 | JXM2012040401 | 2012-04-10 | 0.9 |
| 1802310 | 69 | JXM2012070305 | 2012-07-23 | 0.8 |
| 2158552 | 69 | JXM2012070305 | 2012-07-23 | 0.9 |
| 985117 | 69 | JXM2012071301 | 2012-07-31 | 0.7 |
| 1375570 | 69 | JXM2012071301 | 2012-07-31 | 0.8 |
| 1446671 | 69 | JXM2012071301 | 2012-07-31 | 0.7 |
| 1513235 | 69 | JXM2012071301 | 2012-07-31 | 0.9 |
| 1730358 | 69 | JXM2012091302 | 2012-09-13 | 0.8 |
| 1768735 | 69 | JXM2012091302 | 2012-09-13 | 0.9 |
| 1396320 | 69 | JXM2012100409 | 2012-10-15 | 0.8 |
| 1217990 | 69 | JXM2013020201 | 2013-02-27 | 0.8 |
| 1499051 | 69 | JXM2013020406 | 2013-02-22 | 0.8 |
| 1274692 | 69 | JXM2013080306 | 2013-08-27 | 0.9 |
| 1397543 | 69 | JXM2013080306 | 2013-08-27 | 0.9 |
| 1439569 | 69 | JXM2013080306 | 2013-08-27 | 0.8 |
| 1489042 | 69 | JXM2013090503 | 2013-09-23 | 0.9 |
| 1337230 | 69 | JXM2013110509 | 2013-11-19 | 0.7 |
| 1377768 | 69 | JXM2013110509 | 2013-11-19 | 0.9 |
| 1412512 | 69 | JXM2014050408 | 2014-05-29 | 0.9 |
| 825616 | 69 | JXM2014070304 | 2014-07-10 | 0.8 |
| 1416972 | 69 | JXM2014070304 | 2014-07-10 | 0.6 |
| 1420332 | 69 | JXM2014070304 | 2014-07-10 | 0.9 |
| 1090341 | 69 | JXM2014100503 | 2014-10-02 | 0.7 |
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| 1297168 | 69 | JXM2015040503 | 2015-04-28 | 0.8 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
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| 1212022 | 69 | JXM2015040506 | 2015-04-28 | 0.7 |
| 1682899 | 69 | JXM2015090308 | 2015-09-22 | 0.8 |
| 1447254 | 69 | JXM2015110406 | 2015-11-23 | 0.9 |
| 1390413 | 69 | JXM2016050601 | 2016-05-04 | 0.8 |
| 1222000 | 69 | JXM2016060308 | 2016-06-02 | 0.7 |
| 1418025 | 69 | JXM2016060308 | 2016-06-02 | 0.7 |
| 1419832 | 69 | JXM2016060308 | 2016-06-02 | 0.9 |
| 2159802 | 69 | JXM2016060308 | 2016-06-02 | 0.6 |
| 1390415 | 69 | JXM2016060309 | 2016-06-02 | 0.7 |
| 2089655 | 69 | JXM2016060309 | 2016-06-02 | 0.9 |
| 1488818 | 69 | JXM2016100504 | 2016-10-14 | 0.8 |
| 1025170 | 69 | JXM2017030202 | 2017-03-16 | 0.9 |
| 1483361 | 69 | JXM2017030202 | 2017-03-16 | 0.7 |
| 1483362 | 69 | JXM2017030202 | 2017-03-16 | 0.8 |
| 1340283 | 69 | JXM2017050303 | 2017-05-01 | 0.7 |
| 1470556 | 69 | JXM2017050303 | 2017-05-01 | 0.5 |
| 1950204 | 69 | JXM2017050303 | 2017-05-01 | 0.9 |
| 2089808 | 69 | JXM2017050303 | 2017-05-01 | 0.8 |
| 1026176 | 69 | JXM2017090201 | 2017-09-07 | 0.8 |
| 870687 | 69 | JXM2017090407 | 2017-09-21 | 0.7 |
| 1267193 | 69 | JXM2017090508 | 2017-09-06 | 0.5 |
| 1330702 | 69 | JXM2017090508 | 2017-09-06 | 0.9 |
| 1599702 | 69 | JXM2017090508 | 2017-09-06 | 0.7 |
| 1619279 | 69 | JXM2017090508 | 2017-09-06 | 0.8 |
| 2089833 | 69 | JXM2017090508 | 2017-09-06 | 0.6 |
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| 1685253 | 69 | JXM2017090509 | 2017-09-06 | 0.8 |
| 2171789 | 69 | JXM2017090509 | 2017-09-06 | 0.9 |
| 1411851 | 69 | JXM2017110409 | 2017-11-20 | 0.7 |
| 1553139 | 69 | JXM2017110409 | 2017-11-20 | 0.8 |
| 2089852 | 69 | JXM2017110409 | 2017-11-20 | 0.9 |
| 1036950 | 69 | JXM2017120610 | 2017-12-05 | 0.7 |
| 1380784 | 69 | JXM2017120610 | 2017-12-05 | 0.9 |
| 2146165 | 69 | JXM2018011201 | 2018-01-17 | 0.9 |
| 2152947 | 69 | JXM2018020306 | 2018-02-15 | 0.9 |
| 1652258 | 69 | JXM2018040207 | 2018-04-24 | 0.8 |
| 2514739 | 69 | JXM2018040207 | 2018-04-24 | 0.9 |
| 2518676 | 69 | JXM2018040402 | 2018-04-25 | 0.8 |
| 2902257 | 69 | JXM2018050509 | 2018-05-14 | 0.9 |
| 2308303 | 69 | JXM2018060309 | 2018-06-06 | 0.5 |
| 2614401 | 69 | JXM2018060309 | 2018-06-06 | 0.9 |
| 2247848 | 69 | JXM2018070304 | 2018-07-05 | 0.8 |
| 2311669 | 69 | JXM2018070304 | 2018-07-05 | 0.9 |
| 2328129 | 69 | JXM2018070304 | 2018-07-05 | 0.7 |
| 2276543 | 69 | JXM2018090206 | 2018-09-10 | 0.9 |
| 2541991 | 69 | JXM2018090206 | 2018-09-10 | 0.7 |
| 2393356 | 69 | JXM2018100304 | 2018-10-12 | 0.9 |
| 2533802 | 69 | JXM2018100304 | 2018-10-12 | 0.8 |
| 2393357 | 69 | JXM2018100305 | 2018-10-12 | 0.5 |
| 2393358 | 69 | JXM2018100305 | 2018-10-12 | 0.8 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
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| 2573724 | 69 | JXM2018100305 | 2018-10-12 | 0.9 |
| 2253850 | 69 | JXM2018100502 | 2018-10-11 | 0.7 |
| 2863479 | 69 | JXM2018100502 | 2018-10-11 | 0.8 |
| 2897469 | 69 | JXM2018100502 | 2018-10-11 | 0.9 |
| 2405015 | 69 | JXM2018110407 | 2018-11-19 | 0.9 |
| 2575458 | 69 | JXM2018120308 | 2018-12-18 | 0.9 |
| 2543272 | 69 | JXM2019010408 | 2019-01-09 | 0.8 |
| 2549225 | 69 | JXM2019010408 | 2019-01-09 | 0.7 |
| 2559926 | 69 | JXM2019010408 | 2019-01-09 | 0.9 |
| 2284224 | 69 | JXM2019020306 | 2019-02-07 | 0.7 |
| 2582465 | 69 | JXM2019030402 | 2019-03-11 | 0.9 |
| 2329524 | 69 | JXM2019050304 | 2019-05-16 | 0.7 |
| 2501305 | 69 | JXM2019050304 | 2019-05-16 | 0.8 |
| 2866638 | 69 | JXM2019050304 | 2019-05-16 | 0.9 |
| 2019441 | 69 | JXM2019050506 | 2019-05-15 | 0.8 |
| 2377133 | 69 | JXM2019080202 | 2019-08-08 | 0.9 |
| 2698234 | 69 | JXM2019080301 | 2019-08-05 | 0.8 |
| 1760398 | 69 | JXM2019110407 | 2019-11-18 | 0.8 |
| 1883008 | 69 | JXM2019110407 | 2019-11-18 | 0.9 |
| 2675339 | 69 | JXM2020010304 | 2020-01-06 | 0.9 |
| 3045176 | 69 | JXM2020100406 | 2020-10-13 | 0.9 |
| 2246942 | 69 | JXM2020110303 | 2020-11-20 | 0.5 |
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| 2575091 | 69 | JXM2020110303 | 2020-11-20 | 0.8 |
| 2592008 | 69 | JXM2020110303 | 2020-11-20 | 0.6 |
| 2091839 | 69 | JXM2020120306 | 2020-12-02 | 0.8 |
| 2883209 | 69 | JXM2020120306 | 2020-12-02 | 0.9 |
| 2351449 | 69 | JXM2021020506 | 2021-02-10 | 0.8 |
| 2284967 | 69 | JXM2021040403 | 2021-04-23 | 0.7 |
| 2762376 | 69 | JXM2021050307 | 2021-05-10 | 0.9 |
| 2778080 | 69 | JXM2021050307 | 2021-05-10 | 0.9 |
| 2778081 | 69 | JXM2021050307 | 2021-05-10 | 0.9 |
| 2324561 | 69 | JXM2021060304 | 2021-06-02 | 0.9 |
| 2046548 | 69 | JXM2021070301 | 2021-07-13 | 0.9 |
| 2417847 | 69 | JXM2021070303 | 2021-07-13 | 0.9 |
| 2048379 | 69 | JXM2021070304 | 2021-07-13 | 0.9 |
| 2537385 | 69 | JXM2021070304 | 2021-07-13 | 0.8 |
| 2725998 | 69 | JXM2022090406 | 2022-09-27 | 0.7 |
| 3055964 | 69 | JXM2022090409 | 2022-09-27 | 0.9 |
| 2565851 | 69 | JXM2022110302 | 2022-11-17 | 0.8 |
| 2736236 | 69 | JXM2022110302 | 2022-11-17 | 0.9 |
| 2032107 | 69 | JXM2022110303 | 2022-11-17 | 0.6 |
| 2528088 | 69 | JXM2022110303 | 2022-11-17 | 0.5 |
| 2561008 | 69 | JXM2022110303 | 2022-11-17 | 0.9 |
| 2974878 | 69 | JXM2022110303 | 2022-11-17 | 0.8 |
| 2047328 | 69 | JXM2022110307 | 2022-11-17 | 0.7 |
| 2050383 | 69 | JXM2022110307 | 2022-11-17 | 0.8 |
| 2714938 | 69 | JXM2022110307 | 2022-11-17 | 0.9 |
| 2042192 | 69 | JXM2022110407 | 2022-11-21 | 0.9 |
| 2974880 | 69 | JXM2022110407 | 2022-11-21 | 0.8 |

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| 2253366 | 69 | SAM2016110103 | 2016-11-15 | 0.9 |
| 1121858 | 69 | SAM2019070209 | 2019-07-18 | 0.9 |
| 2163142 | 69 | TBM1989052302 | 1989-05-23 | 0.9 |
| 1321869 | 69 | TBM1989092703 | 1989-09-27 | 0.9 |
| 1383684 | 69 | TBM1989092707 | 1989-09-27 | 0.8 |
| 1696349 | 69 | TBM1989092707 | 1989-09-27 | 0.9 |
| 1608460 | 69 | TBM1989092708 | 1989-09-27 | 0.9 |
| 968836 | 69 | TBM1989092709 | 1989-09-27 | 0.9 |
| 1480975 | 69 | TBM1989092709 | 1989-09-27 | 0.9 |
| 2143302 | 69 | TBM1989092709 | 1989-09-27 | 0.8 |
| 2244972 | 69 | TBM1989092709 | 1989-09-27 | 0.7 |
| 978488 | 69 | TBM1989101002 | 1989-10-10 | 0.8 |
| 1100230 | 69 | TBM1989101002 | 1989-10-10 | 0.9 |
| 1694859 | 69 | TBM1989101008 | 1989-10-10 | 0.8 |
| 1651872 | 69 | TBM1989101101 | 1989-10-11 | 0.9 |
| 1678800 | 69 | TBM1989101102 | 1989-10-11 | 0.8 |
| 1329791 | 69 | TBM1989101104 | 1989-10-11 | 0.9 |
| 1682045 | 69 | TBM1990042307 | 1990-04-23 | 0.9 |
| 1742121 | 69 | TBM1990060501 | 1990-06-05 | 0.9 |
| 1772618 | 69 | TBM1990060501 | 1990-06-05 | 0.7 |
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| 1839894 | 69 | TBM1990060502 | 1990-06-05 | 0.9 |
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| 1685064 | 69 | TBM1990060503 | 1990-06-05 | 0.9 |
| 1707353 | 69 | TBM1990060503 | 1990-06-05 | 0.8 |
| 627189 | 69 | TBM1990060703 | 1990-06-07 | 0.9 |
| 1873418 | 69 | TBM1990101502 | 1990-10-15 | 0.9 |
| 1453472 | 69 | TBM1990111310 | 1990-11-13 | 0.9 |
| 1690585 | 69 | TBM1990120312 | 1990-12-03 | 0.8 |
| 2239746 | 69 | TBM1990120312 | 1990-12-03 | 0.8 |
| 1708831 | 69 | TBM1991042908 | 1991-04-29 | 0.8 |
| 1904309 | 69 | TBM1991042908 | 1991-04-29 | 0.6 |
| 1918257 | 69 | TBM1991042908 | 1991-04-29 | 0.7 |
| 1079420 | 69 | TBM1991042913 | 1991-04-29 | 0.7 |
| 2287143 | 69 | TBM1991042913 | 1991-04-29 | 0.9 |
| 1905449 | 69 | TBM1991052007 | 1991-05-20 | 0.9 |
| 1638923 | 69 | TBM1991100701 | 1991-10-07 | 0.9 |
| 1555739 | 69 | TBM1991100702 | 1991-10-07 | 0.9 |
| 2068112 | 69 | TBM1991100702 | 1991-10-07 | 0.8 |
| 2129302 | 69 | TBM1991100702 | 1991-10-07 | 0.9 |
| 1617683 | 69 | TBM1992102605 | 1992-10-26 | 0.9 |
| 1426880 | 69 | TBM1992102607 | 1992-10-26 | 0.9 |
| 1293250 | 69 | TBM1993051815 | 1993-05-18 | 0.8 |
| 759034 | 69 | TBM1993051901 | 1993-05-19 | 0.9 |
| 1783245 | 69 | TBM1993051926 | 1993-05-19 | 0.9 |
| 2081109 | 69 | TBM1993051926 | 1993-05-19 | 0.8 |
| 1179663 | 69 | TBM1993060201 | 1993-06-02 | 0.9 |
| 1200041 | 69 | TBM1993060201 | 1993-06-02 | 0.9 |
| 1755445 | 69 | TBM1994052305 | 1994-05-23 | 0.9 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 1506507 | 69 | TBM1994052306 | 1994-05-23 | 0.9 |
| 1503108 | 69 | TBM1994092601 | 1994-09-26 | 0.9 |
| 1252476 | 69 | TBM1997041718 | 1997-04-17 | 0.7 |
| 1268475 | 69 | TBM1997041718 | 1997-04-17 | 0.8 |
| 2149379 | 69 | TBM1997041718 | 1997-04-17 | 0.9 |
| 1001050 | 69 | TBM1997080714 | 1997-08-07 | 0.9 |
| 1413578 | 69 | TBM1997080714 | 1997-08-07 | 0.8 |
| 1506627 | 69 | TBM1997080714 | 1997-08-07 | 0.5 |
| 1413620 | 69 | TBM1997091217 | 1997-09-12 | 0.9 |
| 1662450 | 69 | TBM1997100808 | 1997-10-08 | 0.9 |
| 1759068 | 69 | TBM1998052017 | 1998-05-20 | 0.9 |
| 1767872 | 69 | TBM1998061804 | 1998-06-18 | 0.9 |
| 1804686 | 69 | TBM1999061412 | 1999-06-14 | 0.7 |
| 1059005 | 69 | TBM1999081201 | 1999-08-12 | 0.8 |
| 1545250 | 69 | TBM1999091405 | 1999-09-14 | 0.9 |
| 2219482 | 69 | TBM2000041316 | 2000-04-13 | 0.9 |
| 1567337 | 69 | TBM2000041317 | 2000-04-13 | 0.8 |
| 1324958 | 69 | TBM2000081004 | 2000-08-10 | 0.9 |
| 1337094 | 69 | TBM2000081004 | 2000-08-10 | 0.5 |
| 1551112 | 69 | TBM2000081004 | 2000-08-10 | 0.6 |
| 1808330 | 69 | TBM2000081004 | 2000-08-10 | 0.8 |
| 2111790 | 69 | TBM2000081004 | 2000-08-10 | 0.6 |
| 1132315 | 69 | TBM2001080708 | 2001-08-07 | 0.9 |
| 1345302 | 69 | TBM2001080710 | 2001-08-07 | 0.7 |
| 1283648 | 69 | TBM2002101802 | 2002-10-29 | 0.9 |
| 2209236 | 69 | TBM2004050114 | 2004-05-04 | 0.9 |
| 1760039 | 69 | TBM2004101302 | 2004-10-15 | 0.7 |
| 1230753 | 69 | TBM2005080703 | 2005-08-05 | 0.9 |
| 1822064 | 69 | TBM2005080703 | 2005-08-05 | 0.8 |
| 1125994 | 69 | TBM2006070801 | 2006-07-03 | 0.7 |
| 1839747 | 69 | TBM2006070801 | 2006-07-03 | 0.9 |
| 1438330 | 69 | TBM2006070811 | 2006-07-03 | 0.9 |
| 2333663 | 69 | TBM2006080405 | 2006-08-01 | 0.8 |
| 1154781 | 69 | TBM2006090113 | 2006-09-26 | 0.9 |
| 1459010 | 69 | TBM2006100601 | 2006-10-03 | 0.8 |
| 1469608 | 69 | TBM2008040406 | 2008-04-14 | 0.9 |
| 1688228 | 69 | TBM2008060405 | 2008-06-02 | 0.9 |
| 1783007 | 69 | TBM2008060407 | 2008-06-02 | 0.9 |
| 1649155 | 69 | TBM2008061204 | 2008-06-10 | 0.9 |
| 1921822 | 69 | TBM2008061204 | 2008-06-10 | 0.9 |
| 1229844 | 69 | TBM2008070601 | 2008-07-02 | 0.8 |
| 1749788 | 69 | TBM2008080306 | 2008-08-13 | 0.7 |
| 1539587 | 69 | TBM2009051009 | 2009-05-07 | 0.9 |
| 1380859 | 69 | TBM2009080404 | 2009-08-12 | 0.9 |
| 2536498 | 69 | TBM2009081003 | 2009-08-19 | 0.9 |
| 1160407 | 69 | TBM2009090905 | 2009-09-23 | 0.6 |
| 1604820 | 69 | TBM2010060905 | 2010-06-03 | 0.9 |
| 1283164 | 69 | TBM2010100104 | 2010-10-04 | 0.9 |
| 1792939 | 69 | TBM2010100503 | 2010-10-05 | 0.9 |
| 1018619 | 69 | TBM2011051306 | 2011-05-17 | 0.8 |
| 1474301 | 69 | TBM2011051306 | 2011-05-17 | 0.9 |
| 1523128 | 69 | TBM2011051306 | 2011-05-17 | 0.8 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 1537392 | 69 | TBM2011051306 | 2011-05-17 | 0.9 |
| 1558645 | 69 | TBM2011051306 | 2011-05-17 | 0.7 |
| 1538109 | 69 | TBM2012050901 | 2012-05-10 | 0.9 |
| 1720863 | 69 | TBM2012071103 | 2012-07-17 | 0.9 |
| 1820974 | 69 | TBM2012071103 | 2012-07-17 | 0.9 |
| 1750619 | 69 | TBM2012080802 | 2012-08-15 | 0.9 |
| 1633206 | 69 | TBM2012091101 | 2012-09-13 | 0.9 |
| 3000731 | 69 | TBM2012091403 | 2012-09-19 | 0.8 |
| 3081289 | 69 | TBM2012091403 | 2012-09-19 | 0.7 |
| 1835118 | 69 | TBM2013090606 | 2013-09-13 | 0.9 |
| 1847770 | 69 | TBM2013100604 | 2013-10-07 | 0.7 |
| 1524523 | 69 | TBM2013100611 | 2013-10-07 | 0.9 |
| 1225422 | 69 | TBM2014070408 | 2014-07-07 | 0.8 |
| 1240261 | 69 | TBM2015081305 | 2015-08-20 | 0.9 |
| 1179955 | 69 | TBM2016050202 | 2016-05-11 | 0.6 |
| 1179956 | 69 | TBM2016050202 | 2016-05-11 | 0.8 |
| 1696028 | 69 | TBM2016050202 | 2016-05-11 | 0.7 |
| 1832522 | 69 | TBM2016110209 | 2016-11-14 | 0.8 |
| 1941469 | 69 | TBM2017070402 | 2017-07-14 | 0.8 |
| 2648991 | 69 | TBM2017070402 | 2017-07-14 | 0.9 |
| 2254978 | 69 | TBM2019060312 | 2019-06-05 | 0.8 |
| 2985793 | 69 | TBM2019071205 | 2019-07-11 | 0.8 |
| 2735157 | 69 | TBM2019080203 | 2019-08-02 | 0.8 |
| 2167814 | 69 | TBM2019101503 | 2019-10-11 | 0.9 |
| 2147902 | 69 | TBM2019110309 | 2019-11-06 | 0.9 |
| 2151715 | 69 | TBM2020071111 | 2020-07-06 | 0.9 |
| 2962228 | 69 | TBM2020071202 | 2020-07-20 | 0.9 |
| 2220526 | 69 | TBM2020090206 | 2020-09-15 | 0.8 |
| 2010753 | 69 | TBM2022091103 | 2022-09-08 | 0.9 |
| 2175540 | 69 | WWM2004070103 | 2004-07-13 | 0.9 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program

There are no *Low* Quantile Flagged Values for Presence/Absence

There are no *Low* Quantile Flagged Values for Count

High Quantile

Standard Length

Table 8: Flagged Values - High Indicator Quantile: **67.5**

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 58472 | 69 | APM1999040801 | 1999-04-08 | 69.8 |
| 131997 | 69 | APM2001030202 | 2001-03-02 | 69.0 |
| 94505 | 69 | APM2004070406 | 2004-07-07 | 69.0 |
| 233728 | 69 | APM2012070701 | 2012-07-17 | 79.0 |
| 258007 | 69 | APM2012070701 | 2012-07-17 | 77.0 |
| 424841 | 69 | APM2012070701 | 2012-07-17 | 76.5 |
| 523656 | 69 | APM2012070701 | 2012-07-17 | 74.5 |
| 233739 | 69 | APM2012070702 | 2012-07-17 | 80.5 |
| 419464 | 69 | APM2012070702 | 2012-07-17 | 84.0 |
| 310109 | 69 | APM2012110504 | 2012-11-06 | 83.1 |
| 322340 | 69 | APM2013060603 | 2013-06-07 | 78.0 |
| 883873 | 69 | APM2013070205 | 2013-07-02 | 75.2 |
| 352678 | 69 | APM2013081104 | 2013-08-15 | 80.2 |
| 414792 | 69 | APM2013090906 | 2013-09-17 | 75.0 |
| 367886 | 69 | APM2013101005 | 2013-10-15 | 77.8 |
| 285013 | 69 | APM2014051101 | 2014-05-20 | 84.5 |
| 310185 | 69 | APM2014070103 | 2014-07-01 | 100.0 |
| 352442 | 69 | APM2014090901 | 2014-09-17 | 74.5 |
| 304103 | 69 | APM2015070802 | 2015-07-09 | 77.5 |
| 369231 | 69 | APM2015090801 | 2015-09-11 | 73.5 |
| 285598 | 69 | APM2015100601 | 2015-10-08 | 79.0 |
| 393938 | 69 | APM2015100601 | 2015-10-08 | 83.0 |
| 692463 | 69 | APM2016060601 | 2016-06-07 | 73.5 |
| 249182 | 69 | APM2016060903 | 2016-06-10 | 82.3 |
| 733401 | 69 | APM2016061003 | 2016-06-13 | 80.0 |
| 375072 | 69 | APM2016080203 | 2016-08-02 | 84.0 |
| 445401 | 69 | APM2016080205 | 2016-08-02 | 71.0 |
| 314444 | 69 | APM2016080506 | 2016-08-04 | 82.0 |
| 440376 | 69 | APM2017061405 | 2017-06-26 | 79.1 |
| 455465 | 69 | APM2017081201 | 2017-08-15 | 76.0 |
| 716123 | 69 | APM2017081201 | 2017-08-15 | 83.5 |
| 478211 | 69 | APM2017091005 | 2017-09-15 | 85.3 |
| 742930 | 69 | APM2017101206 | 2017-10-17 | 76.0 |
| 1732869 | 69 | APM2018070301 | 2018-07-03 | 83.3 |
| 1848692 | 69 | APM2018071104 | 2018-07-11 | 75.2 |
| 1935317 | 69 | APM2018080305 | 2018-08-07 | 79.2 |
| 1949665 | 69 | APM2018090202 | 2018-09-07 | 68.6 |
| 2462492 | 69 | APM2018090202 | 2018-09-07 | 72.3 |
| 2042148 | 69 | APM2018090204 | 2018-09-07 | 76.0 |
| 2320300 | 69 | APM2018090901 | 2018-09-19 | 77.6 |
| 1248065 | 69 | APM2018100302 | 2018-10-03 | 71.1 |
| 2438889 | 69 | APM2019070101 | 2019-07-02 | 87.7 |
| 1928967 | 69 | APM2019070106 | 2019-07-02 | 74.3 |
| 1663804 | 69 | APM2019071101 | 2019-07-16 | 81.0 |
| 1991266 | 69 | APM2019080501 | 2019-08-06 | 80.4 |
| 2100992 | 69 | APM2019080603 | 2019-08-06 | 70.6 |
| 2113518 | 69 | APM2019081303 | 2019-08-15 | 72.5 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2034819 | 69 | APM2019091404 | 2019-09-24 | 79.7 |
| 2234119 | 69 | APM2019091404 | 2019-09-24 | 86.5 |
| 2408152 | 69 | APM2019100201 | 2019-10-02 | 74.2 |
| 2180349 | 69 | APM2020060107 | 2020-06-01 | 77.5 |
| 2531865 | 69 | APM2020070404 | 2020-07-02 | 75.5 |
| 1762302 | 69 | APM2020071101 | 2020-07-22 | 69.0 |
| 2215163 | 69 | APM2020071101 | 2020-07-22 | 81.0 |
| 2223194 | 69 | APM2020071101 | 2020-07-22 | 77.3 |
| 2194192 | 69 | APM2021040804 | 2021-04-26 | 77.5 |
| 2161777 | 69 | APM2021061002 | 2021-06-28 | 74.7 |
| 2846401 | 69 | APM2021080108 | 2021-08-05 | 79.5 |
| 2348535 | 69 | APM2021080803 | 2021-08-11 | 81.0 |
| 2457293 | 69 | APM2021080803 | 2021-08-11 | 75.5 |
| 2926421 | 69 | APM2021080806 | 2021-08-11 | 82.5 |
| 2042339 | 69 | APM2022060903 | 2022-06-24 | 73.0 |
| 2571260 | 69 | APM2022070101 | 2022-07-01 | 79.4 |
| 763742 | 69 | BBM2017100301 | 2017-10-17 | 78.6 |
| 791086 | 69 | CHM1996081402 | 1996-08-14 | 71.2 |
| 445602 | 69 | CHM1996102202 | 1996-10-22 | 69.0 |
| 838020 | 69 | CHM1996102202 | 1996-10-22 | 68.0 |
| 803705 | 69 | CHM1996112203 | 1996-11-22 | 69.0 |
| 257318 | 69 | CHM1996112504 | 1996-11-25 | 72.0 |
| 447229 | 69 | CHM1997091901 | 1997-09-19 | 72.5 |
| 460928 | 69 | CHM1997091901 | 1997-09-19 | 69.5 |
| 737936 | 69 | CHM1997091901 | 1997-09-19 | 76.0 |
| 825815 | 69 | CHM1998060801 | 1998-06-08 | 70.0 |
| 841771 | 69 | CHM1998081803 | 1998-08-18 | 71.5 |
| 897732 | 69 | CHM1998081803 | 1998-08-18 | 67.8 |
| 667968 | 69 | CHM2000030102 | 2000-03-01 | 69.5 |
| 628916 | 69 | CHM2001032005 | 2001-03-20 | 71.0 |
| 593778 | 69 | CHM2002041703 | 2002-04-17 | 69.9 |
| 934084 | 69 | CHM2004011003 | 2004-01-16 | 72.7 |
| 649987 | 69 | CHM2004061303 | 2004-06-22 | 69.0 |
| 542284 | 69 | CHM2004101104 | 2004-10-11 | 90.0 |
| 688699 | 69 | CHM2005110402 | 2005-11-10 | 71.0 |
| 618846 | 69 | CHM2006050905 | 2006-05-24 | 72.3 |
| 1061130 | 69 | CHM2006110303 | 2006-11-13 | 69.0 |
| 1287677 | 69 | CHM2008071304 | 2008-07-14 | 68.1 |
| 599657 | 69 | CHM2009030902 | 2009-03-02 | 76.1 |
| 586282 | 69 | CHM2010071105 | 2010-07-09 | 99.0 |
| 1096326 | 69 | CHM2010090503 | 2010-09-01 | 71.5 |
| 777942 | 69 | CHM2011011202 | 2011-01-14 | 76.1 |
| 1564142 | 69 | CHM2013010502 | 2013-01-07 | 67.8 |
| 951914 | 69 | CHM2015082003 | 2015-08-28 | 77.5 |
| 1076577 | 69 | CHM2015121103 | 2015-12-02 | 115.0 |
| 1249169 | 69 | CHM2016011501 | 2016-01-21 | 68.8 |
| 419622 | 69 | CHM2016081101 | 2016-08-12 | 68.6 |
| 992056 | 69 | CHM2016081101 | 2016-08-12 | 68.0 |
| 1016906 | 69 | CHM2017010901 | 2017-01-05 | 68.5 |
| 516072 | 69 | CHM2017050703 | 2017-05-10 | 68.8 |
| 1330905 | 69 | CHM2018081401 | 2018-08-23 | 111.2 |
| 1998855 | 69 | CHM2019060303 | 2019-06-10 | 71.7 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2184356 | 69 | CHM2019060303 | 2019-06-10 | 72.3 |
| 2187423 | 69 | CHM2019060303 | 2019-06-10 | 71.8 |
| 2628864 | 69 | CHM2019060303 | 2019-06-10 | 71.1 |
| 2652207 | 69 | CHM2019060303 | 2019-06-10 | 71.3 |
| 2873445 | 69 | CHM2019060303 | 2019-06-10 | 69.4 |
| 1990927 | 69 | CHM2020060901 | 2020-06-11 | 68.1 |
| 1974198 | 69 | CHM2020070302 | 2020-07-13 | 83.9 |
| 2539601 | 69 | CHM2022040702 | 2022-04-06 | 68.0 |
| 2170211 | 69 | CHM2022061501 | 2022-06-10 | 68.6 |
| 2176440 | 69 | CHM2022061501 | 2022-06-10 | 70.8 |
| 2177054 | 69 | CHM2022061501 | 2022-06-10 | 68.3 |
| 2271890 | 69 | CHM2022061501 | 2022-06-10 | 77.8 |
| 2337613 | 69 | CHM2022061501 | 2022-06-10 | 69.7 |
| 2576077 | 69 | CHM2022061501 | 2022-06-10 | 68.0 |
| 2700446 | 69 | CHM2022061501 | 2022-06-10 | 72.6 |
| 2806998 | 69 | CHM2022061501 | 2022-06-10 | 68.8 |
| 2281077 | 69 | CHM2022061502 | 2022-06-10 | 71.4 |
| 2685394 | 69 | CHM2022080602 | 2022-08-18 | 68.5 |
| 3039528 | 69 | CHM2022080602 | 2022-08-18 | 68.2 |
| 2574242 | 69 | CHM2022110804 | 2022-11-03 | 71.0 |
| 2206548 | 69 | CHM2022120702 | 2022-12-09 | 82.6 |
| 649997 | 69 | CKM1997042408 | 1997-04-24 | 85.0 |
| 649998 | 69 | CKM1997042408 | 1997-04-24 | 87.5 |
| 813812 | 69 | CKM1997042408 | 1997-04-24 | 74.0 |
| 994517 | 69 | CKM1997042408 | 1997-04-24 | 86.0 |
| 1118454 | 69 | CKM1997042408 | 1997-04-24 | 81.0 |
| 1138097 | 69 | CKM1997042408 | 1997-04-24 | 85.5 |
| 1287474 | 69 | CKM1997042408 | 1997-04-24 | 78.0 |
| 1391132 | 69 | CKM1997042408 | 1997-04-24 | 82.0 |
| 2041473 | 69 | CKM1997042408 | 1997-04-24 | 83.0 |
| 795045 | 69 | CKM1997061202 | 1997-06-12 | 89.5 |
| 1154418 | 69 | CKM1997061202 | 1997-06-12 | 86.0 |
| 782820 | 69 | CKM1997061204 | 1997-06-12 | 80.5 |
| 782821 | 69 | CKM1997061204 | 1997-06-12 | 89.5 |
| 888793 | 69 | CKM1997061204 | 1997-06-12 | 81.5 |
| 1100554 | 69 | CKM1997061204 | 1997-06-12 | 82.5 |
| 1158499 | 69 | CKM1997061204 | 1997-06-12 | 80.0 |
| 1158500 | 69 | CKM1997061204 | 1997-06-12 | 86.0 |
| 1166934 | 69 | CKM1997061204 | 1997-06-12 | 87.0 |
| 1252242 | 69 | CKM1997061204 | 1997-06-12 | 76.0 |
| 2074328 | 69 | CKM1997061204 | 1997-06-12 | 79.5 |
| 1115026 | 69 | CKM1997082801 | 1997-08-28 | 84.7 |
| 1121469 | 69 | CKM1997082801 | 1997-08-28 | 87.7 |
| 1331363 | 69 | CKM1998040803 | 1998-04-08 | 69.3 |
| 878492 | 69 | CKM1998070901 | 1998-07-09 | 69.0 |
| 551781 | 69 | CKM1998070904 | 1998-07-09 | 80.0 |
| 698324 | 69 | CKM1998070904 | 1998-07-09 | 86.0 |
| 810709 | 69 | CKM1998070904 | 1998-07-09 | 87.5 |
| 862429 | 69 | CKM1998070904 | 1998-07-09 | 85.0 |
| 896167 | 69 | CKM1998070904 | 1998-07-09 | 89.0 |
| 1031747 | 69 | CKM1998070904 | 1998-07-09 | 83.0 |
| 1046266 | 69 | CKM1998070904 | 1998-07-09 | 76.0 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 1056933 | 69 | CKM1998070904 | 1998-07-09 | 84.5 |
| 1150262 | 69 | CKM1998070904 | 1998-07-09 | 82.0 |
| 1215121 | 69 | CKM1998070904 | 1998-07-09 | 91.0 |
| 1263493 | 69 | CKM1998070904 | 1998-07-09 | 88.0 |
| 2488552 | 69 | CKM1998070904 | 1998-07-09 | 93.5 |
| 1100959 | 69 | CKM1998111001 | 1998-11-10 | 90.0 |
| 791383 | 69 | CKM1999011305 | 1999-01-13 | 75.5 |
| 2514066 | 69 | CKM1999031005 | 1999-03-10 | 85.0 |
| 577557 | 69 | CKM1999041202 | 1999-04-12 | 86.0 |
| 803680 | 69 | CKM1999061001 | 1999-06-10 | 92.0 |
| 868503 | 69 | CKM1999071205 | 1999-07-12 | 90.5 |
| 925140 | 69 | CKM1999071206 | 1999-07-12 | 73.0 |
| 2536402 | 69 | CKM1999071206 | 1999-07-12 | 74.5 |
| 1137971 | 69 | CKM1999072604 | 1999-07-26 | 84.0 |
| 2536419 | 69 | CKM1999072604 | 1999-07-26 | 87.0 |
| 945017 | 69 | CKM1999081703 | 1999-08-17 | 74.9 |
| 920607 | 69 | CKM1999091601 | 1999-09-16 | 91.0 |
| 1085903 | 69 | CKM1999091601 | 1999-09-16 | 86.5 |
| 1085904 | 69 | CKM1999091601 | 1999-09-16 | 90.0 |
| 2548687 | 69 | CKM1999091601 | 1999-09-16 | 87.0 |
| 1155332 | 69 | CKM2000012001 | 2000-01-20 | 69.0 |
| 1067109 | 69 | CKM2000021502 | 2000-02-15 | 68.7 |
| 997224 | 69 | CKM2000021703 | 2000-02-17 | 90.0 |
| 1261058 | 69 | CKM2000021703 | 2000-02-17 | 85.0 |
| 603997 | 69 | CKM2000031503 | 2000-03-15 | 94.0 |
| 895238 | 69 | CKM2000031503 | 2000-03-15 | 84.5 |
| 749073 | 69 | CKM2000031504 | 2000-03-15 | 69.0 |
| 643623 | 69 | CKM2000041106 | 2000-04-11 | 85.0 |
| 969126 | 69 | CKM2000052203 | 2000-05-22 | 80.0 |
| 1293700 | 69 | CKM2000052203 | 2000-05-22 | 92.0 |
| 609987 | 69 | CKM2000061303 | 2000-06-13 | 88.7 |
| 638172 | 69 | CKM2000061303 | 2000-06-13 | 81.2 |
| 999288 | 69 | CKM2000061303 | 2000-06-13 | 78.5 |
| 1293977 | 69 | CKM2000061303 | 2000-06-13 | 76.5 |
| 2422873 | 69 | CKM2000061303 | 2000-06-13 | 82.0 |
| 2568833 | 69 | CKM2000061303 | 2000-06-13 | 80.5 |
| 1146618 | 69 | CKM2000061401 | 2000-06-14 | 82.0 |
| 1065312 | 69 | CKM2000061503 | 2000-06-15 | 84.5 |
| 641317 | 69 | CKM2000071705 | 2000-07-17 | 90.5 |
| 851706 | 69 | CKM2000071705 | 2000-07-17 | 86.3 |
| 1354906 | 69 | CKM2000071705 | 2000-07-17 | 81.1 |
| 820758 | 69 | CKM2000081504 | 2000-08-15 | 85.0 |
| 856719 | 69 | CKM2000081703 | 2000-08-17 | 83.0 |
| 985556 | 69 | CKM2000081703 | 2000-08-17 | 79.5 |
| 1082988 | 69 | CKM2000081703 | 2000-08-17 | 77.0 |
| 1243629 | 69 | CKM2000081703 | 2000-08-17 | 80.0 |
| 1338077 | 69 | CKM2000081703 | 2000-08-17 | 82.5 |
| 641440 | 69 | CKM2000081705 | 2000-08-17 | 81.0 |
| 814477 | 69 | CKM2000081705 | 2000-08-17 | 83.0 |
| 986770 | 69 | CKM2000081705 | 2000-08-17 | 92.0 |
| 1075386 | 69 | CKM2000081705 | 2000-08-17 | 88.0 |
| 1086886 | 69 | CKM2000081705 | 2000-08-17 | 82.0 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 1338078 | 69 | CKM2000081705 | 2000-08-17 | 86.0 |
| 587977 | 69 | CKM2000081706 | 2000-08-17 | 85.5 |
| 841866 | 69 | CKM2000081706 | 2000-08-17 | 84.0 |
| 1088434 | 69 | CKM2000092501 | 2000-09-25 | 83.5 |
| 643763 | 69 | CKM2000092503 | 2000-09-25 | 84.5 |
| 1019094 | 69 | CKM2000092503 | 2000-09-25 | 80.0 |
| 1293780 | 69 | CKM2000092503 | 2000-09-25 | 79.0 |
| 1298098 | 69 | CKM2000092503 | 2000-09-25 | 78.0 |
| 1298099 | 69 | CKM2000092503 | 2000-09-25 | 88.0 |
| 2568939 | 69 | CKM2000092503 | 2000-09-25 | 88.5 |
| 902609 | 69 | CKM2000092601 | 2000-09-26 | 79.5 |
| 876133 | 69 | CKM2000092602 | 2000-09-26 | 86.5 |
| 1090776 | 69 | CKM2000092602 | 2000-09-26 | 80.0 |
| 1152794 | 69 | CKM2000102503 | 2000-10-25 | 82.5 |
| 782231 | 69 | CKM2000110703 | 2000-11-07 | 93.5 |
| 981083 | 69 | CKM2000110703 | 2000-11-07 | 75.0 |
| 368153 | 69 | CKM2001050305 | 2001-05-09 | 91.5 |
| 504834 | 69 | CKM2001050702 | 2001-05-15 | 83.0 |
| 606261 | 69 | CKM2001050702 | 2001-05-15 | 87.4 |
| 777817 | 69 | CKM2001050702 | 2001-05-15 | 78.0 |
| 777818 | 69 | CKM2001050702 | 2001-05-15 | 81.0 |
| 904787 | 69 | CKM2001050702 | 2001-05-15 | 76.0 |
| 936196 | 69 | CKM2001050702 | 2001-05-15 | 82.0 |
| 1094188 | 69 | CKM2001050702 | 2001-05-15 | 88.5 |
| 1193001 | 69 | CKM2001050702 | 2001-05-15 | 77.0 |
| 596421 | 69 | CKM2001060702 | 2001-06-13 | 75.5 |
| 1080679 | 69 | CKM2001060702 | 2001-06-13 | 84.5 |
| 1082687 | 69 | CKM2001060702 | 2001-06-13 | 87.5 |
| 1094509 | 69 | CKM2001060702 | 2001-06-13 | 87.0 |
| 904808 | 69 | CKM2001060704 | 2001-06-13 | 83.0 |
| 2647029 | 69 | CKM2001060704 | 2001-06-13 | 84.5 |
| 1043597 | 69 | CKM2001071204 | 2001-07-18 | 68.2 |
| 871214 | 69 | CKM2001071304 | 2001-07-19 | 84.0 |
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| 1376802 | 69 | CKM2001071304 | 2001-07-19 | 81.5 |
| 2669217 | 69 | CKM2001090601 | 2001-09-11 | 81.0 |
| 1188233 | 69 | CKM2001090603 | 2001-09-11 | 84.0 |
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| 894562 | 69 | CKM2001091103 | 2001-09-25 | 93.5 |
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| 990927 | 69 | CKM2001091103 | 2001-09-25 | 85.0 |
| 990928 | 69 | CKM2001091103 | 2001-09-25 | 94.0 |
| 1022407 | 69 | CKM2001091103 | 2001-09-25 | 76.0 |
| 1068558 | 69 | CKM2001091103 | 2001-09-25 | 93.0 |
| 1091873 | 69 | CKM2001091103 | 2001-09-25 | 91.0 |
| 1092977 | 69 | CKM2001091103 | 2001-09-25 | 82.0 |
| 1132666 | 69 | CKM2001091103 | 2001-09-25 | 81.5 |
| 1137409 | 69 | CKM2001091103 | 2001-09-25 | 80.0 |
| 1139470 | 69 | CKM2001091103 | 2001-09-25 | 87.0 |

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| 1244727 | 69 | CKM2001091103 | 2001-09-25 | 86.0 |
| 2510255 | 69 | CKM2001091103 | 2001-09-25 | 84.0 |
| 633382 | 69 | CKM2001091201 | 2001-09-26 | 84.0 |
| 981752 | 69 | CKM2001091201 | 2001-09-26 | 92.0 |
| 1192701 | 69 | CKM2001091201 | 2001-09-26 | 85.0 |
| 880900 | 69 | CKM2001101201 | 2001-10-23 | 85.0 |
| 901769 | 69 | CKM2001101201 | 2001-10-23 | 79.0 |
| 2493460 | 69 | CKM2001101201 | 2001-10-23 | 77.5 |
| 917253 | 69 | CKM2001110905 | 2001-11-20 | 78.0 |
| 1008517 | 69 | CKM2002040207 | 2002-04-02 | 84.4 |
| 1291020 | 69 | CKM2002050202 | 2002-05-02 | 76.3 |
| 1070538 | 69 | CKM2002050302 | 2002-05-03 | 88.2 |
| 609367 | 69 | CKM2002050801 | 2002-05-09 | 85.0 |
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| 626293 | 69 | CKM2002060406 | 2002-06-10 | 75.5 |
| 654622 | 69 | CKM2002060406 | 2002-06-10 | 89.0 |
| 879406 | 69 | CKM2002060406 | 2002-06-10 | 82.3 |
| 922979 | 69 | CKM2002060406 | 2002-06-10 | 90.0 |
| 1144552 | 69 | CKM2002060406 | 2002-06-10 | 86.0 |
| 1238837 | 69 | CKM2002060406 | 2002-06-10 | 86.2 |
| 2700805 | 69 | CKM2002060406 | 2002-06-10 | 85.2 |
| 679814 | 69 | CKM2002070305 | 2002-07-02 | 84.0 |
| 679815 | 69 | CKM2002070305 | 2002-07-02 | 88.0 |
| 715525 | 69 | CKM2002070305 | 2002-07-02 | 80.5 |
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| 1087955 | 69 | CKM2002070305 | 2002-07-02 | 84.2 |
| 1091888 | 69 | CKM2002070305 | 2002-07-02 | 77.0 |
| 1091889 | 69 | CKM2002070305 | 2002-07-02 | 80.0 |
| 1092102 | 69 | CKM2002070305 | 2002-07-02 | 76.0 |
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| 854426 | 69 | CKM2002081101 | 2002-08-21 | 82.5 |
| 1158689 | 69 | CKM2002081102 | 2002-08-21 | 81.0 |
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| 2726860 | 69 | CKM2002081103 | 2002-08-21 | 75.5 |
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| 1222737 | 69 | CKM2002081105 | 2002-08-21 | 67.8 |
| 1257483 | 69 | CKM2002081105 | 2002-08-21 | 81.5 |
| 1276549 | 69 | CKM2002081105 | 2002-08-21 | 89.0 |
| 917108 | 69 | CKM2002090103 | 2002-09-03 | 79.5 |

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| 1155630 | 69 | CKM2002100106 | 2002-10-01 | 74.5 |
| 1280153 | 69 | CKM2002100106 | 2002-10-01 | 88.0 |
| 2838651 | 69 | CKM2002100106 | 2002-10-01 | 83.0 |
| 799340 | 69 | CKM2002100107 | 2002-10-01 | 78.0 |
| 680289 | 69 | CKM2002100301 | 2002-10-03 | 84.0 |
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| 1168722 | 69 | CKM2002100301 | 2002-10-03 | 87.0 |
| 1246550 | 69 | CKM2002100301 | 2002-10-03 | 82.5 |
| 1343524 | 69 | CKM2002100301 | 2002-10-03 | 79.0 |
| 1360298 | 69 | CKM2002100301 | 2002-10-03 | 85.0 |
| 937632 | 69 | CKM2002100302 | 2002-10-03 | 83.5 |
| 1037728 | 69 | CKM2002100305 | 2002-10-03 | 82.0 |
| 1327520 | 69 | CKM2002100305 | 2002-10-03 | 80.0 |
| 966052 | 69 | CKM2002110101 | 2002-11-01 | 87.5 |
| 1315988 | 69 | CKM2002110101 | 2002-11-01 | 84.2 |
| 2636698 | 69 | CKM2002110101 | 2002-11-01 | 86.0 |
| 917558 | 69 | CKM2002110105 | 2002-11-01 | 87.2 |
| 1020799 | 69 | CKM2003030105 | 2003-03-05 | 84.6 |
| 1127071 | 69 | CKM2003030105 | 2003-03-05 | 85.5 |
| 2660573 | 69 | CKM2003040208 | 2003-04-02 | 68.4 |
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| 2068022 | 69 | CKM2003050402 | 2003-05-06 | 81.0 |
| 621567 | 69 | CKM2003050404 | 2003-05-06 | 89.0 |
| 944164 | 69 | CKM2003060701 | 2003-06-11 | 93.6 |
| 1111633 | 69 | CKM2003070901 | 2003-07-08 | 93.0 |
| 1261652 | 69 | CKM2003070901 | 2003-07-08 | 84.0 |
| 817899 | 69 | CKM2003080301 | 2003-08-06 | 89.5 |
| 1082278 | 69 | CKM2003080301 | 2003-08-06 | 80.0 |
| 1260736 | 69 | CKM2003080305 | 2003-08-06 | 74.0 |
| 1347482 | 69 | CKM2003080305 | 2003-08-06 | 79.0 |
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| 936869 | 69 | CKM2003090507 | 2003-09-09 | 82.0 |
| 881687 | 69 | CKM2003100806 | 2003-10-13 | 83.0 |
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| 824503 | 69 | CKM2004020802 | 2004-02-17 | 84.8 |
| 999394 | 69 | CKM2004020802 | 2004-02-17 | 85.7 |
| 1146785 | 69 | CKM2004020802 | 2004-02-17 | 85.2 |
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| 992617 | 69 | CKM2004080401 | 2004-08-11 | 84.0 |
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| 1169202 | 69 | CKM2004080401 | 2004-08-11 | 82.5 |
| 1251684 | 69 | CKM2004080401 | 2004-08-11 | 82.0 |
| 1253862 | 69 | CKM2004080401 | 2004-08-11 | 79.3 |
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| 473480 | 69 | CKM2004090303 | 2004-09-10 | 84.5 |
| 965070 | 69 | CKM2004090303 | 2004-09-10 | 84.0 |
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| 1108847 | 69 | CKM2004110603 | 2004-11-05 | 85.2 |
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| 957140 | 69 | CKM2004120507 | 2004-12-07 | 81.0 |
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| 1019553 | 69 | CKM2005010106 | 2005-01-04 | 78.5 |
| 2982172 | 69 | CKM2005040303 | 2005-04-05 | 87.0 |
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| 940307 | 69 | CKM2005060601 | 2005-06-13 | 84.0 |
| 958261 | 69 | CKM2005060601 | 2005-06-13 | 83.0 |
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| 1162753 | 69 | CKM2005060601 | 2005-06-13 | 76.0 |
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| 651093 | 69 | CKM2005080701 | 2005-08-17 | 82.5 |
| 1038912 | 69 | CKM2005080701 | 2005-08-17 | 78.5 |
| 1047389 | 69 | CKM2005080701 | 2005-08-17 | 83.0 |
| 1240404 | 69 | CKM2005080701 | 2005-08-17 | 84.0 |
| 1250245 | 69 | CKM2005080701 | 2005-08-17 | 81.0 |
| 946335 | 69 | CKM2005080810 | 2005-08-19 | 82.0 |
| 970994 | 69 | CKM2005080811 | 2005-08-19 | 73.0 |
| 981712 | 69 | CKM2005080811 | 2005-08-19 | 84.5 |
| 1006552 | 69 | CKM2005080811 | 2005-08-19 | 72.3 |
| 1397556 | 69 | CKM2005080811 | 2005-08-19 | 83.5 |
| 1142691 | 69 | CKM2005090702 | 2005-09-14 | 86.5 |
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| 2780457 | 69 | CKM2005090703 | 2005-09-14 | 68.5 |
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| 1284259 | 69 | CKM2005100206 | 2005-10-04 | 83.0 |
| 1341377 | 69 | CKM2005100206 | 2005-10-04 | 84.5 |
| 2719458 | 69 | CKM2005100206 | 2005-10-04 | 79.5 |
| 2752324 | 69 | CKM2005100206 | 2005-10-04 | 81.2 |
| 633946 | 69 | CKM2005100701 | 2005-10-13 | 79.4 |
| 709416 | 69 | CKM2005100703 | 2005-10-13 | 84.0 |
| 1431886 | 69 | CKM2005100703 | 2005-10-13 | 86.0 |
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| 837208 | 69 | CKM2005110702 | 2005-11-08 | 89.2 |
| 1117315 | 69 | CKM2005110702 | 2005-11-08 | 88.7 |
| 878115 | 69 | CKM2005120504 | 2005-12-12 | 72.5 |
| 852314 | 69 | CKM2005120707 | 2005-12-14 | 83.3 |
| 1092234 | 69 | CKM2005120707 | 2005-12-14 | 75.5 |
| 1123598 | 69 | CKM2006020507 | 2006-02-10 | 85.5 |
| 486202 | 69 | CKM2006040504 | 2006-04-12 | 90.3 |
| 699174 | 69 | CKM2006040504 | 2006-04-12 | 84.4 |
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| 1185478 | 69 | CKM2006040504 | 2006-04-12 | 86.7 |
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| 2585626 | 69 | CKM2006050301 | 2006-05-05 | 68.9 |
| 885274 | 69 | CKM2006050407 | 2006-05-10 | 92.4 |
| 668506 | 69 | CKM2006050806 | 2006-05-24 | 84.2 |
| 921999 | 69 | CKM2006060704 | 2006-06-20 | 88.3 |
| 669072 | 69 | CKM2006070806 | 2006-07-11 | 87.4 |
| 934112 | 69 | CKM2006070806 | 2006-07-11 | 86.5 |
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| 723696 | 69 | CKM2006071003 | 2006-07-18 | 79.5 |
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| 954693 | 69 | CKM2006071003 | 2006-07-18 | 88.3 |
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| 1050256 | 69 | CKM2006071003 | 2006-07-18 | 87.2 |
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| 618991 | 69 | CKM2006080401 | 2006-08-04 | 79.1 |
| 761879 | 69 | CKM2006080401 | 2006-08-04 | 87.1 |
| 861073 | 69 | CKM2006080401 | 2006-08-04 | 80.1 |
| 861074 | 69 | CKM2006080401 | 2006-08-04 | 81.7 |
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| 867932 | 69 | CKM2006080401 | 2006-08-04 | 88.5 |

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| 2737991 | 69 | CKM2006100302 | 2006-10-04 | 83.0 |
| 1216715 | 69 | CKM2006100807 | 2006-10-18 | 83.6 |
| 1314011 | 69 | CKM2006110504 | 2006-11-08 | 70.3 |
| 1390707 | 69 | CKM2007010104 | 2007-01-03 | 89.2 |
| 2916324 | 69 | CKM2007030809 | 2007-03-20 | 69.8 |
| 1233219 | 69 | CKM2007060604 | 2007-06-08 | 69.4 |
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| 348231 | 69 | CKM2007080204 | 2007-08-03 | 83.1 |
| 348232 | 69 | CKM2007080204 | 2007-08-03 | 84.5 |
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| 1469141 | 69 | CKM2007080204 | 2007-08-03 | 81.0 |
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| 1471290 | 69 | CKM2007080204 | 2007-08-03 | 78.0 |
| 1479022 | 69 | CKM2007080204 | 2007-08-03 | 79.4 |
| 1479023 | 69 | CKM2007080204 | 2007-08-03 | 83.5 |
| 1479024 | 69 | CKM2007080204 | 2007-08-03 | 87.0 |
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| 969771 | 69 | CKM2007090304 | 2007-09-06 | 85.5 |
| 990954 | 69 | CKM2007090304 | 2007-09-06 | 72.2 |
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| 705975 | 69 | CKM2007090804 | 2007-09-24 | 79.0 |
| 1026410 | 69 | CKM2007090905 | 2007-09-25 | 87.5 |
| 613013 | 69 | CKM2007100306 | 2007-10-04 | 93.5 |
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| 668926 | 69 | CKM2007100306 | 2007-10-04 | 81.5 |

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| 703412 | 69 | CKM2007100306 | 2007-10-04 | 83.3 |
| 824394 | 69 | CKM2007100306 | 2007-10-04 | 87.5 |
| 966553 | 69 | CKM2007100306 | 2007-10-04 | 88.8 |
| 1026467 | 69 | CKM2007100306 | 2007-10-04 | 91.5 |
| 1151529 | 69 | CKM2007100306 | 2007-10-04 | 88.0 |
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| 1513332 | 69 | CKM2007100306 | 2007-10-04 | 87.0 |
| 1562511 | 69 | CKM2007100306 | 2007-10-04 | 81.0 |
| 1562512 | 69 | CKM2007100306 | 2007-10-04 | 89.0 |
| 2909140 | 69 | CKM2007100306 | 2007-10-04 | 90.0 |
| 2918029 | 69 | CKM2007100306 | 2007-10-04 | 93.2 |
| 2975328 | 69 | CKM2007100306 | 2007-10-04 | 86.2 |
| 2975329 | 69 | CKM2007100306 | 2007-10-04 | 91.0 |
| 826226 | 69 | CKM2007100906 | 2007-10-17 | 73.0 |
| 1027180 | 69 | CKM2007110203 | 2007-11-05 | 78.8 |
| 1314487 | 69 | CKM2007110203 | 2007-11-05 | 80.1 |
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| 1492578 | 69 | CKM2008050103 | 2008-05-02 | 86.5 |
| 1083550 | 69 | CKM2008050303 | 2008-05-05 | 75.8 |
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| 680845 | 69 | CKM2008060507 | 2008-06-04 | 88.0 |
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| 1176085 | 69 | CKM2008060507 | 2008-06-04 | 80.0 |

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| 1169997 | 69 | CKM2008070304 | 2008-07-03 | 77.0 |
| 1351892 | 69 | CKM2008080408 | 2008-08-05 | 78.0 |
| 492538 | 69 | CKM2008090102 | 2008-09-02 | 79.5 |
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| 1367788 | 69 | CKM2008100505 | 2008-10-09 | 80.5 |
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| 1003560 | 69 | CKM2008120504 | 2008-12-09 | 83.4 |
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| 2841042 | 69 | CKM2009070608 | 2009-07-15 | 80.4 |
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| 669593 | 69 | CKM2010040402 | 2010-04-06 | 86.0 |
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| 1327809 | 69 | CKM2010050409 | 2010-05-11 | 89.5 |
| 1338911 | 69 | CKM2010050409 | 2010-05-11 | 88.0 |
| 957183 | 69 | CKM2010050509 | 2010-05-12 | 86.0 |
| 921698 | 69 | CKM2010070107 | 2010-07-02 | 77.2 |
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| 1598228 | 69 | CKM2010080804 | 2010-08-25 | 81.5 |
| 1708127 | 69 | CKM2010080804 | 2010-08-25 | 84.3 |
| 583148 | 69 | CKM2010080808 | 2010-08-25 | 80.6 |
| 911011 | 69 | CKM2010100204 | 2010-10-04 | 88.6 |
| 1719855 | 69 | CKM2010100204 | 2010-10-04 | 78.5 |
| 1721374 | 69 | CKM2010100504 | 2010-10-14 | 81.5 |
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| 619899 | 69 | CKM2011040407 | 2011-04-11 | 76.5 |
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| 829635 | 69 | CKM2011040407 | 2011-04-11 | 78.0 |
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| 1700979 | 69 | CKM2011040407 | 2011-04-11 | 83.0 |
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| 955100 | 69 | CKM2011050502 | 2011-05-09 | 81.1 |
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| 1304833 | 69 | CKM2011060204 | 2011-06-02 | 68.8 |
| 1362908 | 69 | CKM2011060204 | 2011-06-02 | 77.9 |
| 1424516 | 69 | CKM2011060204 | 2011-06-02 | 83.3 |
| 1441860 | 69 | CKM2011060204 | 2011-06-02 | 81.2 |
| 1602472 | 69 | CKM2011060204 | 2011-06-02 | 79.5 |
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| 1258542 | 69 | CKM2011080302 | 2011-08-10 | 73.8 |
| 935732 | 69 | CKM2011080307 | 2011-08-10 | 78.0 |
| 1172431 | 69 | CKM2011090202 | 2011-09-07 | 88.5 |
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| 1090874 | 69 | CKM2011120407 | 2011-12-07 | 83.5 |
| 474824 | 69 | CKM2012020801 | 2012-02-16 | 68.3 |
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| 1510538 | 69 | CKM2012040104 | 2012-04-03 | 77.1 |
| 1070524 | 69 | CKM2012040304 | 2012-04-05 | 72.5 |
| 1061530 | 69 | CKM2012040706 | 2012-04-17 | 75.7 |
| 1076888 | 69 | CKM2012040706 | 2012-04-17 | 83.0 |
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| 1148575 | 69 | CKM2012050306 | 2012-05-03 | 71.9 |
| 1188167 | 69 | CKM2012050306 | 2012-05-03 | 89.3 |
| 729513 | 69 | CKM2012050307 | 2012-05-03 | 80.4 |
| 928888 | 69 | CKM2012050307 | 2012-05-03 | 77.4 |
| 1466598 | 69 | CKM2012050307 | 2012-05-03 | 70.9 |
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| 1256994 | 69 | CKM2012060302 | 2012-06-13 | 80.0 |
| 1180893 | 69 | CKM2012060806 | 2012-06-28 | 77.1 |
| 1927603 | 69 | CKM2012070203 | 2012-07-03 | 74.7 |
| 1030998 | 69 | CKM2012070302 | 2012-07-03 | 73.5 |
| 743385 | 69 | CKM2012070304 | 2012-07-03 | 85.2 |
| 1049138 | 69 | CKM2012070304 | 2012-07-03 | 76.7 |
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| 1971562 | 69 | CKM2012080208 | 2012-08-02 | 78.5 |
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| 730173 | 69 | CKM2012090502 | 2012-09-11 | 85.7 |
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| 478545 | 69 | CKM2012090804 | 2012-09-13 | 75.0 |

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| 1953649 | 69 | CKM2012110502 | 2012-11-07 | 79.0 |
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| 1182819 | 69 | CKM2012110703 | 2012-11-09 | 81.8 |
| 753071 | 69 | CKM2013010509 | 2013-01-09 | 77.9 |
| 1531751 | 69 | CKM2013010509 | 2013-01-09 | 74.3 |
| 657765 | 69 | CKM2013030603 | 2013-03-12 | 72.8 |
| 657766 | 69 | CKM2013030603 | 2013-03-12 | 78.4 |
| 711162 | 69 | CKM2013030603 | 2013-03-12 | 67.6 |
| 1562310 | 69 | CKM2013030603 | 2013-03-12 | 74.4 |
| 1976016 | 69 | CKM2013030603 | 2013-03-12 | 70.3 |
| 712956 | 69 | CKM2013040508 | 2013-04-08 | 84.5 |
| 1333021 | 69 | CKM2013040508 | 2013-04-08 | 89.9 |
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| 667849 | 69 | CKM2013050204 | 2013-05-02 | 80.8 |
| 713018 | 69 | CKM2013050204 | 2013-05-02 | 72.6 |
| 754382 | 69 | CKM2013050204 | 2013-05-02 | 77.4 |
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| 1169695 | 69 | CKM2013050204 | 2013-05-02 | 75.2 |
| 1315937 | 69 | CKM2013050204 | 2013-05-02 | 75.1 |
| 1315938 | 69 | CKM2013050204 | 2013-05-02 | 82.4 |
| 1954462 | 69 | CKM2013050204 | 2013-05-02 | 80.7 |
| 1954724 | 69 | CKM2013050204 | 2013-05-02 | 74.0 |
| 1999392 | 69 | CKM2013050204 | 2013-05-02 | 83.4 |
| 667880 | 69 | CKM2013060105 | 2013-06-03 | 77.3 |
| 800534 | 69 | CKM2013060105 | 2013-06-03 | 70.9 |
| 1112258 | 69 | CKM2013060105 | 2013-06-03 | 75.0 |
| 1116515 | 69 | CKM2013060105 | 2013-06-03 | 78.5 |
| 1302096 | 69 | CKM2013060105 | 2013-06-03 | 72.0 |
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| 1302099 | 69 | CKM2013060201 | 2013-06-04 | 70.9 |
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| 1619837 | 69 | CKM2013060203 | 2013-06-04 | 78.2 |
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| 1317312 | 69 | CKM2013070708 | 2013-07-17 | 73.8 |
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| 1213600 | 69 | CKM2013080602 | 2013-08-12 | 68.5 |
| 938601 | 69 | CKM2013090705 | 2013-09-17 | 74.8 |
| 745355 | 69 | CKM2013100102 | 2013-10-01 | 72.5 |
| 1366821 | 69 | CKM2013100102 | 2013-10-01 | 81.6 |
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| 1056994 | 69 | CKM2014060602 | 2014-06-05 | 77.0 |
| 1123982 | 69 | CKM2014060602 | 2014-06-05 | 68.0 |
| 1281347 | 69 | CKM2014060602 | 2014-06-05 | 73.3 |
| 1283551 | 69 | CKM2014060602 | 2014-06-05 | 72.5 |
| 2019143 | 69 | CKM2014060602 | 2014-06-05 | 74.0 |
| 2020867 | 69 | CKM2014060602 | 2014-06-05 | 77.5 |
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| 495037 | 69 | CKM2014090103 | 2014-09-02 | 72.2 |
| 2020140 | 69 | CKM2014090103 | 2014-09-02 | 73.5 |
| 2029850 | 69 | CKM2014100203 | 2014-10-03 | 77.2 |
| 747092 | 69 | CKM2014100509 | 2014-10-09 | 88.0 |
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| 1350159 | 69 | CKM2014100801 | 2014-10-16 | 68.5 |
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| 1086824 | 69 | CKM2015040504 | 2015-04-03 | 73.0 |
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| 1463661 | 69 | CKM2015050606 | 2015-05-06 | 77.0 |
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| 751600 | 69 | CKM2015090101 | 2015-09-01 | 72.6 |
| 751601 | 69 | CKM2015090101 | 2015-09-01 | 79.8 |
| 799641 | 69 | CKM2015090101 | 2015-09-01 | 80.1 |
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| 934576 | 69 | CKM2015090101 | 2015-09-01 | 79.4 |
| 934577 | 69 | CKM2015090101 | 2015-09-01 | 87.6 |
| 1146575 | 69 | CKM2015090801 | 2015-09-09 | 72.1 |
| 1158399 | 69 | CKM2015090908 | 2015-09-10 | 79.2 |
| 950831 | 69 | CKM2015100303 | 2015-10-02 | 75.2 |
| 1004812 | 69 | CKM2015100303 | 2015-10-02 | 83.3 |
| 1160488 | 69 | CKM2015100303 | 2015-10-02 | 82.0 |
| 1964507 | 69 | CKM2015100508 | 2015-10-06 | 79.0 |
| 1566599 | 69 | CKM2015100509 | 2015-10-06 | 77.0 |
| 1013057 | 69 | CKM2015110202 | 2015-11-04 | 67.8 |
| 1090445 | 69 | CKM2015110202 | 2015-11-04 | 68.1 |
| 1266507 | 69 | CKM2015110202 | 2015-11-04 | 74.0 |
| 1403593 | 69 | CKM2016050604 | 2016-05-18 | 79.5 |
| 721958 | 69 | CKM2016110308 | 2016-11-02 | 76.0 |
| 1052663 | 69 | CKM2016110308 | 2016-11-02 | 77.3 |
| 1365589 | 69 | CKM2016110308 | 2016-11-02 | 84.0 |
| 1387749 | 69 | CKM2017040101 | 2017-04-05 | 73.2 |
| 782392 | 69 | CKM2017040202 | 2017-04-05 | 84.0 |
| 1388383 | 69 | CKM2017040202 | 2017-04-05 | 81.0 |

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| 2004711 | 69 | CKM2017050307 | 2017-05-08 | 71.0 |
| 1274132 | 69 | CKM2017060308 | 2017-06-08 | 70.9 |
| 511499 | 69 | CKM2017060702 | 2017-06-19 | 75.9 |
| 1382374 | 69 | CKM2017060702 | 2017-06-19 | 85.6 |
| 661864 | 69 | CKM2017070303 | 2017-07-07 | 74.5 |
| 916421 | 69 | CKM2017070303 | 2017-07-07 | 76.0 |
| 993000 | 69 | CKM2017070303 | 2017-07-07 | 86.5 |
| 1209680 | 69 | CKM2017070303 | 2017-07-07 | 80.0 |
| 1352697 | 69 | CKM2017070303 | 2017-07-07 | 72.8 |
| 1376478 | 69 | CKM2017070303 | 2017-07-07 | 72.0 |
| 1376499 | 69 | CKM2017070303 | 2017-07-07 | 79.8 |
| 1385537 | 69 | CKM2017070303 | 2017-07-07 | 79.5 |
| 1388957 | 69 | CKM2017070303 | 2017-07-07 | 69.0 |
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| 2009104 | 69 | CKM2017070303 | 2017-07-07 | 71.0 |
| 2009420 | 69 | CKM2017070303 | 2017-07-07 | 75.5 |
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| 1424659 | 69 | CKM2017080103 | 2017-08-01 | 78.8 |
| 662223 | 69 | CKM2017080201 | 2017-08-03 | 71.1 |
| 2009346 | 69 | CKM2017090707 | 2017-09-19 | 76.2 |
| 1109921 | 69 | CKM2017100103 | 2017-10-02 | 83.8 |
| 2009891 | 69 | CKM2017100506 | 2017-10-09 | 68.8 |
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| 2233985 | 69 | CKM2018040305 | 2018-04-04 | 83.5 |
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| 1933609 | 69 | CKM2018050501 | 2018-05-04 | 69.4 |
| 2056234 | 69 | CKM2018050501 | 2018-05-04 | 76.0 |
| 2090326 | 69 | CKM2018050501 | 2018-05-04 | 81.9 |
| 2090817 | 69 | CKM2018050501 | 2018-05-04 | 72.5 |
| 2102894 | 69 | CKM2018050501 | 2018-05-04 | 68.8 |

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| 3030543 | 69 | CKM2018050901 | 2018-05-10 | 71.5 |
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| 2305495 | 69 | CKM2018060101 | 2018-06-01 | 71.1 |
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| 1304649 | 69 | CKM2018060103 | 2018-06-01 | 69.5 |
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| 3054680 | 69 | CKM2018060105 | 2018-06-01 | 73.6 |
| 1991314 | 69 | CKM2018060401 | 2018-06-05 | 87.0 |
| 2085249 | 69 | CKM2018060404 | 2018-06-05 | 76.6 |
| 2185627 | 69 | CKM2018060404 | 2018-06-05 | 76.0 |
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| 2356311 | 69 | CKM2018070306 | 2018-07-03 | 77.5 |
| 3042553 | 69 | CKM2018070306 | 2018-07-03 | 71.1 |
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| 1984696 | 69 | CKM2018080106 | 2018-08-01 | 74.2 |
| 1985628 | 69 | CKM2018080106 | 2018-08-01 | 75.7 |
| 2335558 | 69 | CKM2018080106 | 2018-08-01 | 70.8 |
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| 1210215 | 69 | CKM2018100201 | 2018-10-02 | 74.5 |
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| 1714966 | 69 | CKM2018100201 | 2018-10-02 | 81.0 |
| 1759191 | 69 | CKM2018100201 | 2018-10-02 | 77.8 |
| 1825160 | 69 | CKM2018100201 | 2018-10-02 | 71.0 |
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| 2021266 | 69 | CKM2018100201 | 2018-10-02 | 69.0 |
| 2024532 | 69 | CKM2018100201 | 2018-10-02 | 70.0 |
| 2024533 | 69 | CKM2018100201 | 2018-10-02 | 72.2 |
| 2078576 | 69 | CKM2018100201 | 2018-10-02 | 78.0 |
| 2092999 | 69 | CKM2018100201 | 2018-10-02 | 83.0 |
| 2105911 | 69 | CKM2018100201 | 2018-10-02 | 82.5 |
| 2244135 | 69 | CKM2018100201 | 2018-10-02 | 75.4 |
| 2334468 | 69 | CKM2018100201 | 2018-10-02 | 73.5 |
| 2334469 | 69 | CKM2018100201 | 2018-10-02 | 79.0 |
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| 2335736 | 69 | CKM2018100201 | 2018-10-02 | 69.9 |
| 2763031 | 69 | CKM2018100201 | 2018-10-02 | 72.5 |
| 3055775 | 69 | CKM2018100201 | 2018-10-02 | 69.5 |
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| 1760136 | 69 | CKM2018100807 | 2018-10-17 | 81.0 |
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| 3108653 | 69 | CKM2019040609 | 2019-04-11 | 68.6 |
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| 3046371 | 69 | CKM2019050107 | 2019-05-01 | 71.0 |
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| 2097839 | 69 | CKM2019050808 | 2019-05-15 | 71.4 |
| 2107030 | 69 | CKM2019050808 | 2019-05-15 | 68.8 |
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| 3046621 | 69 | CKM2019060108 | 2019-06-03 | 79.4 |
| 1136146 | 69 | CKM2019070202 | 2019-07-02 | 78.8 |
| 1772289 | 69 | CKM2019070202 | 2019-07-02 | 76.3 |
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| 2424632 | 69 | CKM2019070202 | 2019-07-02 | 75.1 |
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| 1684400 | 69 | CKM2019070402 | 2019-07-03 | 78.6 |

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| 2076000 | 69 | CKM2019100408 | 2019-10-07 | 71.5 |
| 1877772 | 69 | CKM2019100803 | 2019-10-10 | 80.7 |
| 2111182 | 69 | CKM2019100903 | 2019-10-21 | 81.7 |
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| 1755118 | 69 | CKM2020050601 | 2020-05-22 | 72.5 |
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| 1976853 | 69 | CKM2020050601 | 2020-05-22 | 74.2 |
| 2150108 | 69 | CKM2020050601 | 2020-05-22 | 72.8 |
| 2233932 | 69 | CKM2020050601 | 2020-05-22 | 70.8 |
| 2341381 | 69 | CKM2020050601 | 2020-05-22 | 76.3 |
| 1621135 | 69 | CKM2020050602 | 2020-05-22 | 68.6 |
| 1739055 | 69 | CKM2020050602 | 2020-05-22 | 75.2 |
| 1977218 | 69 | CKM2020050602 | 2020-05-22 | 76.7 |
| 1998761 | 69 | CKM2020050602 | 2020-05-22 | 72.4 |
| 2003387 | 69 | CKM2020050602 | 2020-05-22 | 76.5 |
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| 2135647 | 69 | CKM2020050602 | 2020-05-22 | 71.0 |
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| 2235346 | 69 | CKM2020050602 | 2020-05-22 | 75.5 |
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| 2271664 | 69 | CKM2020050602 | 2020-05-22 | 73.1 |
| 2309443 | 69 | CKM2020050602 | 2020-05-22 | 72.7 |
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| 2321481 | 69 | CKM2020050605 | 2020-05-22 | 82.7 |
| 2006182 | 69 | CKM2020050702 | 2020-05-26 | 76.2 |
| 2123186 | 69 | CKM2020050702 | 2020-05-26 | 71.8 |
| 2150135 | 69 | CKM2020050702 | 2020-05-26 | 74.0 |
| 2229640 | 69 | CKM2020050702 | 2020-05-26 | 74.6 |
| 1977254 | 69 | CKM2020060601 | 2020-06-18 | 73.4 |
| 2048743 | 69 | CKM2020060601 | 2020-06-18 | 74.0 |
| 2203588 | 69 | CKM2020060603 | 2020-06-18 | 75.9 |
| 2325085 | 69 | CKM2020060603 | 2020-06-18 | 69.2 |
| 1327305 | 69 | CKM2020060701 | 2020-06-25 | 71.3 |
| 1739506 | 69 | CKM2020060701 | 2020-06-25 | 76.1 |
| 2056995 | 69 | CKM2020060701 | 2020-06-25 | 72.4 |
| 2137546 | 69 | CKM2020060701 | 2020-06-25 | 74.8 |

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| 2141528 | 69 | CKM2020080307 | 2020-08-06 | 73.4 |
| 2203995 | 69 | CKM2020080307 | 2020-08-06 | 69.5 |
| 2203996 | 69 | CKM2020080307 | 2020-08-06 | 71.3 |
| 2323380 | 69 | CKM2020080307 | 2020-08-06 | 68.7 |
| 2329656 | 69 | CKM2020080307 | 2020-08-06 | 71.2 |
| 2329689 | 69 | CKM2020080307 | 2020-08-06 | 71.5 |
| 2368624 | 69 | CKM2020080307 | 2020-08-06 | 75.8 |
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| 2379312 | 69 | CKM2020080307 | 2020-08-06 | 74.6 |
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| 2323423 | 69 | CKM2020080403 | 2020-08-07 | 77.9 |
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| 1932122 | 69 | CKM2020080404 | 2020-08-07 | 75.8 |
| 2070270 | 69 | CKM2020080404 | 2020-08-07 | 75.0 |
| 2150270 | 69 | CKM2020080404 | 2020-08-07 | 72.0 |
| 2368686 | 69 | CKM2020080404 | 2020-08-07 | 71.0 |
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| 2692335 | 69 | CKM2021050205 | 2021-05-05 | 72.8 |
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| 3041767 | 69 | CKM2021050305 | 2021-05-06 | 72.0 |
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| 2118711 | 69 | CKM2021050603 | 2021-05-12 | 77.2 |
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| 2205315 | 69 | CKM2021050703 | 2021-05-17 | 72.8 |
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| 2680173 | 69 | CKM2021060303 | 2021-06-04 | 71.5 |
| 2372289 | 69 | CKM2021060304 | 2021-06-04 | 71.4 |
| 2400816 | 69 | CKM2021060304 | 2021-06-04 | 69.4 |
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| 2695592 | 69 | CKM2021060304 | 2021-06-04 | 70.4 |
| 2695593 | 69 | CKM2021060304 | 2021-06-04 | 73.6 |
| 2940842 | 69 | CKM2021060304 | 2021-06-04 | 71.0 |
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| 2924161 | 69 | CKM2021060305 | 2021-06-04 | 71.9 |
| 3069600 | 69 | CKM2021060305 | 2021-06-04 | 72.4 |
| 2031957 | 69 | CKM2021060407 | 2021-06-09 | 72.0 |
| 2737521 | 69 | CKM2021060407 | 2021-06-09 | 72.8 |
| 2901218 | 69 | CKM2021060407 | 2021-06-09 | 72.5 |
| 2914784 | 69 | CKM2021060407 | 2021-06-09 | 74.1 |
| 2940921 | 69 | CKM2021060407 | 2021-06-09 | 70.5 |
| 2374222 | 69 | CKM2021060504 | 2021-06-10 | 73.8 |
| 2693943 | 69 | CKM2021060504 | 2021-06-10 | 71.3 |
| 2949045 | 69 | CKM2021060504 | 2021-06-10 | 69.2 |

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| 2262787 | 69 | CKM2021070203 | 2021-07-02 | 72.3 |
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| 3017237 | 69 | CKM2021070203 | 2021-07-02 | 79.2 |
| 3062434 | 69 | CKM2021070203 | 2021-07-02 | 70.2 |
| 2940928 | 69 | CKM2021070304 | 2021-07-12 | 72.2 |
| 2244642 | 69 | CKM2021070406 | 2021-07-13 | 70.0 |
| 2955839 | 69 | CKM2021070406 | 2021-07-13 | 75.6 |
| 2431793 | 69 | CKM2021070501 | 2021-07-01 | 69.5 |
| 2407284 | 69 | CKM2021080208 | 2021-08-09 | 76.5 |
| 2163632 | 69 | CKM2021080502 | 2021-08-19 | 76.0 |
| 2377652 | 69 | CKM2021080602 | 2021-08-23 | 81.0 |
| 2736617 | 69 | CKM2021090102 | 2021-09-01 | 75.3 |
| 2431228 | 69 | CKM2021090104 | 2021-09-01 | 78.0 |
| 2494888 | 69 | CKM2021090104 | 2021-09-01 | 71.0 |
| 2535446 | 69 | CKM2021090104 | 2021-09-01 | 74.0 |
| 2535447 | 69 | CKM2021090104 | 2021-09-01 | 74.5 |
| 2931067 | 69 | CKM2021090104 | 2021-09-01 | 76.0 |
| 2939127 | 69 | CKM2021090104 | 2021-09-01 | 69.5 |
| 2941669 | 69 | CKM2021090104 | 2021-09-01 | 73.0 |
| 2431256 | 69 | CKM2021090303 | 2021-09-07 | 76.0 |
| 2962512 | 69 | CKM2021090303 | 2021-09-07 | 71.0 |
| 2028858 | 69 | CKM2021090305 | 2021-09-07 | 71.5 |
| 2734435 | 69 | CKM2021090305 | 2021-09-07 | 76.2 |
| 2714969 | 69 | CKM2021100106 | 2021-10-01 | 73.7 |
| 2272102 | 69 | CKM2021100304 | 2021-10-05 | 69.8 |
| 2952850 | 69 | CKM2021100808 | 2021-10-03 | 75.5 |
| 2260306 | 69 | CKM2022020508 | 2022-02-15 | 84.9 |
| 2441858 | 69 | CKM2022030408 | 2022-03-04 | 73.7 |
| 2729738 | 69 | CKM2022040105 | 2022-04-01 | 80.2 |
| 2519499 | 69 | CKM2022050204 | 2022-05-03 | 73.2 |
| 2179143 | 69 | CKM2022050401 | 2022-05-05 | 69.5 |
| 2750397 | 69 | CKM2022050401 | 2022-05-05 | 80.3 |
| 2111910 | 69 | CKM2022050407 | 2022-05-05 | 69.5 |
| 2341595 | 69 | CKM2022050407 | 2022-05-05 | 71.0 |
| 2468890 | 69 | CKM2022050407 | 2022-05-05 | 78.0 |
| 2524240 | 69 | CKM2022050407 | 2022-05-05 | 72.8 |
| 2559472 | 69 | CKM2022050407 | 2022-05-05 | 70.5 |
| 2559473 | 69 | CKM2022050407 | 2022-05-05 | 73.0 |
| 2753255 | 69 | CKM2022050407 | 2022-05-05 | 72.0 |
| 3031107 | 69 | CKM2022050407 | 2022-05-05 | 71.7 |
| 2909685 | 69 | CKM2022060109 | 2022-06-01 | 71.1 |
| 2468565 | 69 | CKM2022060201 | 2022-06-01 | 73.2 |
| 2486094 | 69 | CKM2022060201 | 2022-06-01 | 72.7 |
| 2980838 | 69 | CKM2022060201 | 2022-06-01 | 72.6 |
| 3047988 | 69 | CKM2022060201 | 2022-06-01 | 69.6 |
| 2171791 | 69 | CKM2022060205 | 2022-06-01 | 74.4 |
| 2200254 | 69 | CKM2022060205 | 2022-06-01 | 75.2 |
| 2341823 | 69 | CKM2022060205 | 2022-06-01 | 77.0 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2468994 | 69 | CKM2022060205 | 2022-06-01 | 75.6 |
| 2575104 | 69 | CKM2022060205 | 2022-06-01 | 70.2 |
| 2594700 | 69 | CKM2022060205 | 2022-06-01 | 74.1 |
| 2767291 | 69 | CKM2022060205 | 2022-06-01 | 76.5 |
| 2909711 | 69 | CKM2022060205 | 2022-06-01 | 75.0 |
| 2987937 | 69 | CKM2022060205 | 2022-06-01 | 71.0 |
| 2120427 | 69 | CKM2022070201 | 2022-07-05 | 72.7 |
| 3097448 | 69 | CKM2022070201 | 2022-07-05 | 69.5 |
| 2859608 | 69 | CKM2022070602 | 2022-07-08 | 76.3 |
| 2103808 | 69 | CKM2022080105 | 2022-08-08 | 73.4 |
| 2121398 | 69 | CKM2022080105 | 2022-08-08 | 78.0 |
| 2125123 | 69 | CKM2022080105 | 2022-08-08 | 74.5 |
| 2469580 | 69 | CKM2022080105 | 2022-08-08 | 72.0 |
| 2487680 | 69 | CKM2022080105 | 2022-08-08 | 69.9 |
| 2576284 | 69 | CKM2022080105 | 2022-08-08 | 69.0 |
| 2594495 | 69 | CKM2022080105 | 2022-08-08 | 75.5 |
| 2781292 | 69 | CKM2022080105 | 2022-08-08 | 72.3 |
| 2782573 | 69 | CKM2022080105 | 2022-08-08 | 72.6 |
| 2782574 | 69 | CKM2022080105 | 2022-08-08 | 75.0 |
| 2865028 | 69 | CKM2022080105 | 2022-08-08 | 77.0 |
| 2972015 | 69 | CKM2022080105 | 2022-08-08 | 73.0 |
| 2972016 | 69 | CKM2022080105 | 2022-08-08 | 74.6 |
| 2983856 | 69 | CKM2022080105 | 2022-08-08 | 72.5 |
| 2988029 | 69 | CKM2022080105 | 2022-08-08 | 69.5 |
| 2988030 | 69 | CKM2022080105 | 2022-08-08 | 70.6 |
| 2994369 | 69 | CKM2022080105 | 2022-08-08 | 70.5 |
| 2997618 | 69 | CKM2022080105 | 2022-08-08 | 76.0 |
| 3040157 | 69 | CKM2022080105 | 2022-08-08 | 71.5 |
| 3048075 | 69 | CKM2022080105 | 2022-08-08 | 72.2 |
| 3025759 | 69 | CKM2022080507 | 2022-08-15 | 77.3 |
| 2125202 | 69 | CKM2022090704 | 2022-09-22 | 79.9 |
| 2528434 | 69 | CKM2022090704 | 2022-09-22 | 79.4 |
| 2890534 | 69 | CKM2022090704 | 2022-09-22 | 78.0 |
| 3004982 | 69 | CKM2022090704 | 2022-09-22 | 78.1 |
| 3018851 | 69 | CKM2022090704 | 2022-09-22 | 73.2 |
| 2663020 | 69 | CKM2022100107 | 2022-10-03 | 68.5 |
| 2494849 | 69 | CKM2022100303 | 2022-10-05 | 77.6 |
| 2495557 | 69 | CKM2022100303 | 2022-10-05 | 68.2 |
| 2495582 | 69 | CKM2022100504 | 2022-10-10 | 78.0 |
| 2972338 | 69 | CKM2022100504 | 2022-10-10 | 77.5 |
| 1512958 | 69 | IRM1999011401 | 1999-01-14 | 92.1 |
| 1507868 | 69 | IRM1999102701 | 1999-10-27 | 82.1 |
| 1600425 | 69 | IRM1999102701 | 1999-10-27 | 83.3 |
| 2095709 | 69 | IRM1999102703 | 1999-10-27 | 71.1 |
| 832442 | 69 | IRM2000100901 | 2000-10-09 | 76.0 |
| 1220263 | 69 | IRM2000100901 | 2000-10-09 | 103.5 |
| 2134594 | 69 | IRM2000100901 | 2000-10-09 | 88.5 |
| 785245 | 69 | IRM2002050504 | 2002-05-08 | 71.4 |
| 1267854 | 69 | IRM2002080901 | 2002-08-22 | 68.2 |
| 895964 | 69 | IRM2003071201 | 2003-07-21 | 78.3 |
| 934915 | 69 | IRM2004020604 | 2004-02-10 | 96.5 |
| 1131361 | 69 | IRM2004020604 | 2004-02-10 | 91.1 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 1158482 | 69 | IRM2004020604 | 2004-02-10 | 92.4 |
| 1533839 | 69 | IRM2010090102 | 2010-09-01 | 94.7 |
| 1373170 | 69 | IRM2014021007 | 2014-02-17 | 68.6 |
| 898854 | 69 | IRM2015101304 | 2015-10-21 | 68.4 |
| 1272550 | 69 | IRM2016010905 | 2016-01-14 | 68.7 |
| 2446396 | 69 | IRM2018090601 | 2018-09-11 | 81.5 |
| 2133866 | 69 | IRM2019010703 | 2019-01-18 | 70.8 |
| 2538062 | 69 | IRM2019010703 | 2019-01-18 | 69.8 |
| 2951024 | 69 | IRM2019050704 | 2019-05-13 | 74.3 |
| 2197144 | 69 | IRM2020030102 | 2020-03-02 | 71.8 |
| 2501827 | 69 | IRM2022010603 | 2022-01-12 | 70.6 |
| 2646110 | 69 | IRM2022010603 | 2022-01-12 | 72.8 |
| 2346622 | 69 | IRM2022070303 | 2022-07-07 | 69.5 |
| 1520917 | 69 | JXM2001051201 | 2001-05-30 | 81.8 |
| 1514634 | 69 | JXM2011040501 | 2011-04-04 | 70.4 |
| 1591039 | 69 | TBM1997111215 | 1997-11-12 | 68.8 |
| 1492545 | 69 | TBM1998082002 | 1998-08-20 | 71.5 |
| 1404719 | 69 | TBM1999021509 | 1999-02-15 | 69.0 |
| 2228623 | 69 | TBM1999072303 | 1999-07-23 | 68.6 |
| 1577787 | 69 | TBM2002030907 | 2002-03-08 | 68.0 |
| 1117421 | 69 | TBM2003031102 | 2003-03-13 | 69.1 |
| 1121943 | 69 | TBM2003031102 | 2003-03-13 | 72.0 |
| 1182110 | 69 | TBM2003031102 | 2003-03-13 | 69.2 |
| 1787954 | 69 | TBM2003031102 | 2003-03-13 | 71.0 |
| 1852616 | 69 | TBM2003031102 | 2003-03-13 | 69.0 |
| 2164637 | 69 | TBM2003031102 | 2003-03-13 | 68.0 |
| 1486584 | 69 | TBM2008021103 | 2008-02-26 | 71.5 |
| 1939016 | 69 | TBM2008021107 | 2008-02-26 | 68.1 |
| 1185678 | 69 | TBM2008091102 | 2008-09-08 | 72.1 |
| 1666621 | 69 | TBM2014111002 | 2014-11-13 | 71.5 |
| 1146283 | 69 | TBM2016050703 | 2016-05-02 | 70.2 |
| 1700087 | 69 | TBM2016050703 | 2016-05-02 | 69.1 |
| 1714817 | 69 | TBM2016050703 | 2016-05-02 | 69.6 |
| 1778963 | 69 | TBM2016050703 | 2016-05-02 | 68.3 |
| 1557150 | 69 | TBM2016070907 | 2016-07-20 | 67.9 |
| 1856952 | 69 | TBM2016081401 | 2016-08-24 | 71.5 |
| 1992349 | 69 | TBM2019070905 | 2019-07-11 | 70.3 |
| 2424643 | 69 | TBM2022050402 | 2022-05-04 | 68.2 |
| 2336436 | 69 | TBM2022060202 | 2022-06-06 | 76.1 |
| 2740540 | 69 | TBM2022060203 | 2022-06-06 | 70.8 |
| 2377072 | 69 | TBM2022110605 | 2022-11-07 | 76.4 |
| 1676487 | 69 | TQM1997052003 | 1997-05-20 | 74.0 |
| 1829192 | 69 | TQM1997052003 | 1997-05-20 | 68.0 |
| 1917492 | 69 | TQM1997052003 | 1997-05-20 | 73.3 |
| 1967439 | 69 | TQM1997081902 | 1997-08-19 | 84.0 |
| 2826361 | 69 | TQM1997122304 | 1997-12-23 | 68.5 |
| 1858198 | 69 | TQM1998032301 | 1998-03-23 | 68.5 |
| 2103243 | 69 | TQM1998042011 | 1998-04-20 | 68.2 |
| 1265627 | 69 | TQM1998051302 | 1998-05-13 | 74.5 |
| 2893852 | 69 | TQM1998102002 | 1998-10-20 | 79.8 |
| 1384236 | 69 | TQM1999051102 | 1999-05-11 | 86.5 |
| 2023285 | 69 | TQM1999051102 | 1999-05-11 | 75.7 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2904010 | 69 | TQM1999051104 | 1999-05-11 | 78.0 |
| 1556937 | 69 | TQM1999071502 | 1999-07-15 | 109.6 |
| 1762448 | 69 | TQM1999101904 | 1999-10-19 | 70.5 |
| 2936433 | 69 | TQM2000052304 | 2000-05-23 | 73.7 |
| 1232857 | 69 | TQM2000101804 | 2000-10-18 | 75.1 |
| 1668894 | 69 | TQM2001030104 | 2001-03-01 | 68.5 |
| 1765500 | 69 | TQM2001030104 | 2001-03-01 | 73.4 |
| 1774652 | 69 | TQM2001100303 | 2001-10-16 | 72.1 |
| 1938520 | 69 | TQM2001120203 | 2001-12-13 | 68.8 |
| 3003942 | 69 | TQM2002030205 | 2002-03-07 | 70.2 |
| 1798876 | 69 | TQM2002050303 | 2002-05-14 | 78.0 |
| 1732552 | 69 | TQM2002060206 | 2002-06-11 | 78.4 |
| 1450921 | 69 | TQM2002070401 | 2002-07-30 | 77.5 |
| 1314644 | 69 | TQM2003030204 | 2003-03-18 | 80.5 |
| 1603339 | 69 | TQM2003090204 | 2003-09-10 | 72.8 |
| 3018545 | 69 | TQM2003090204 | 2003-09-10 | 71.5 |
| 3019870 | 69 | TQM2004040104 | 2004-04-06 | 76.9 |
| 1341921 | 69 | TQM2004060402 | 2004-06-22 | 90.0 |
| 3104119 | 69 | TQM2005010205 | 2005-01-11 | 73.5 |
| 1841808 | 69 | TQM2005030305 | 2005-03-16 | 68.5 |
| 1739375 | 69 | TQM2006110402 | 2006-11-28 | 73.0 |
| 1747008 | 69 | TQM2006110402 | 2006-11-28 | 69.0 |
| 1837360 | 69 | TQM2006110402 | 2006-11-28 | 73.5 |
| 1982712 | 69 | TQM2006110402 | 2006-11-28 | 67.8 |
| 1999834 | 69 | TQM2006110402 | 2006-11-28 | 74.0 |
| 2016153 | 69 | TQM2007030402 | 2007-03-27 | 74.5 |
| 1790530 | 69 | TQM2007050303 | 2007-05-14 | 87.8 |
| 2028018 | 69 | TQM2008110204 | 2008-11-05 | 87.0 |
| 2223803 | 69 | TQM2008110204 | 2008-11-05 | 86.0 |
| 2348379 | 69 | TQM2008110204 | 2008-11-05 | 74.0 |
| 1213903 | 69 | TQM2012050101 | 2012-05-03 | 109.0 |
| 1762666 | 69 | TQM2015050101 | 2015-05-06 | 68.5 |
| 2457770 | 69 | TQM2015050101 | 2015-05-06 | 70.2 |
| 2103308 | 69 | TQM2016120403 | 2016-12-09 | 81.4 |
| 1967879 | 69 | TQM2017040301 | 2017-04-11 | 69.8 |
| 2041892 | 69 | TQM2018020603 | 2018-02-15 | 68.9 |
| 2148410 | 69 | TQM2019040302 | 2019-04-05 | 68.3 |
| 2189877 | 69 | TQM2020100403 | 2020-10-14 | 70.0 |
| 2193077 | 69 | TQM2020100403 | 2020-10-14 | 70.4 |
| 2572236 | 69 | TQM2021020703 | 2021-02-24 | 78.8 |
| 2531437 | 69 | TQM2021040404 | 2021-04-14 | 74.4 |
| 2416051 | 69 | TQM2021070302 | 2021-07-07 | 68.5 |
| 2165728 | 69 | TQM2021070503 | 2021-07-12 | 73.5 |
| 2170821 | 69 | TQM2021080501 | 2021-08-16 | 91.0 |
| 2557474 | 69 | TQM2021080501 | 2021-08-16 | 92.5 |
| 2447524 | 69 | TQM2021100104 | 2021-10-04 | 92.6 |
| 2654751 | 69 | TQM2022020303 | 2022-02-08 | 69.9 |
| 2529218 | 69 | TQM2022060303 | 2022-06-07 | 71.0 |
| 2800072 | 69 | TQM2022100104 | 2022-10-06 | 93.5 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program

There are no *High* Quantile Flagged Values for Presence/Absence

Count

Table 9: Flagged Values - High Indicator Quantile: **1041.818**

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2278459 | 69 | TBM1997061607 | 1997-06-16 | 1115 |
| 3043577 | 69 | TBM1997091508 | 1997-09-15 | 1270 |
| 2296914 | 69 | TBM1999100402 | 1999-10-04 | 1289 |
| 2419608 | 69 | TBM1999110404 | 1999-11-04 | 1491 |
| 2287002 | 69 | TBM1999110406 | 1999-11-04 | 1520 |
| 2455424 | 69 | TBM2001010705 | 2001-01-26 | 1180 |
| 2455436 | 69 | TBM2001020713 | 2001-02-05 | 1671 |
| 2581083 | 69 | TBM2001021001 | 2001-02-12 | 1232 |
| 2500756 | 69 | TBM2001120203 | 2001-12-04 | 1120 |
| 2757235 | 69 | TBM2002080502 | 2002-08-05 | 1647 |
| 2572721 | 69 | TBM2002081204 | 2002-08-15 | 1536 |
| 2366546 | 69 | TBM2002101604 | 2002-10-23 | 1132 |
| 2319640 | 69 | TBM2003021002 | 2003-02-14 | 1382 |
| 2623508 | 69 | TBM2003021611 | 2003-02-19 | 6128 |
| 2671981 | 69 | TBM2003080201 | 2003-08-04 | 1501 |
| 2742893 | 69 | TBM2004100204 | 2004-10-01 | 2585 |
| 2518357 | 69 | TBM2005060803 | 2005-06-07 | 1115 |
| 2582138 | 69 | TBM2006040307 | 2006-04-18 | 1076 |
| 2315621 | 69 | TBM2006100502 | 2006-10-02 | 1224 |
| 2870467 | 69 | TBM2006111002 | 2006-11-09 | 4597 |
| 2950085 | 69 | TBM2006111005 | 2006-11-09 | 1072 |
| 2521869 | 69 | TBM2007061006 | 2007-06-19 | 1367 |
| 2595806 | 69 | TBM2007110605 | 2007-11-06 | 1843 |
| 2576363 | 69 | TBM2007110904 | 2007-11-08 | 1572 |
| 2799426 | 69 | TBM2008011202 | 2008-01-10 | 3882 |
| 2816863 | 69 | TBM2008040201 | 2008-04-14 | 1085 |
| 2572110 | 69 | TBM2008040406 | 2008-04-14 | 2532 |
| 2985704 | 69 | TBM2008050606 | 2008-05-08 | 2236 |
| 2586501 | 69 | TBM2008050608 | 2008-05-08 | 1370 |
| 2614460 | 69 | TBM2008051505 | 2008-05-16 | 1367 |
| 3076826 | 69 | TBM2008061105 | 2008-06-05 | 2432 |
| 2586670 | 69 | TBM2008071206 | 2008-07-24 | 1520 |
| 2813243 | 69 | TBM2008080102 | 2008-08-11 | 1127 |
| 2511300 | 69 | TBM2008080802 | 2008-08-20 | 1621 |
| 2753573 | 69 | TBM2008081305 | 2008-08-26 | 2051 |
| 2880319 | 69 | TBM2008090505 | 2008-09-04 | 1125 |
| 2679327 | 69 | TBM2008101105 | 2008-10-13 | 1096 |
| 2419743 | 69 | TBM2008110602 | 2008-11-05 | 1486 |
| 2939528 | 69 | TBM2008110803 | 2008-11-17 | 1370 |
| 2774960 | 69 | TBM2008111101 | 2008-11-19 | 1169 |
| 2603115 | 69 | TBM2008111104 | 2008-11-19 | 1775 |
| 2818648 | 69 | TBM2008120803 | 2008-12-05 | 2181 |
| 2600896 | 69 | TBM2008121503 | 2008-12-18 | 1270 |
| 2720626 | 69 | TBM2009011001 | 2009-01-26 | 1688 |
| 2724517 | 69 | TBM2009051005 | 2009-05-07 | 2457 |
| 2611264 | 69 | TBM2009051009 | 2009-05-07 | 1402 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2958839 | 69 | TBM2009051209 | 2009-05-12 | 1887 |
| 2974930 | 69 | TBM2009071110 | 2009-07-07 | 1287 |
| 2792075 | 69 | TBM2009081006 | 2009-08-19 | 1493 |
| 2707892 | 69 | TBM2009081501 | 2009-08-24 | 1207 |
| 2525216 | 69 | TBM2009091301 | 2009-09-17 | 1567 |
| 2853770 | 69 | TBM2009100601 | 2009-10-06 | 2562 |
| 2321401 | 69 | TBM2009110301 | 2009-11-05 | 1051 |
| 2951988 | 69 | TBM2009111405 | 2009-11-18 | 2046 |
| 2811974 | 69 | TBM2010040501 | 2010-04-05 | 1355 |
| 2807915 | 69 | TBM2010051302 | 2010-05-19 | 1140 |
| 2601238 | 69 | TBM2010051304 | 2010-05-19 | 2816 |
| 2818339 | 69 | TBM2010051308 | 2010-05-19 | 2327 |
| 2358402 | 69 | TBM2010060904 | 2010-06-03 | 1052 |
| 2962682 | 69 | TBM2010060905 | 2010-06-03 | 1210 |
| 2951001 | 69 | TBM2010060909 | 2010-06-03 | 1635 |
| 2812029 | 69 | TBM2010070205 | 2010-07-01 | 1689 |
| 2523695 | 69 | TBM2010070405 | 2010-07-08 | 2465 |
| 2796244 | 69 | TBM2010070406 | 2010-07-08 | 1352 |
| 2597513 | 69 | TBM2010070505 | 2010-07-09 | 1048 |
| 2443917 | 69 | TBM2010091103 | 2010-09-14 | 1042 |
| 2397182 | 69 | TBM2010091301 | 2010-09-16 | 1102 |
| 2740784 | 69 | TBM2010091403 | 2010-09-20 | 2865 |
| 2843885 | 69 | TBM2010091404 | 2010-09-20 | 1629 |
| 2715877 | 69 | TBM2010100805 | 2010-10-07 | 1897 |
| 2600972 | 69 | TBM2010100901 | 2010-10-14 | 1293 |
| 2576272 | 69 | TBM2010100902 | 2010-10-14 | 1108 |
| 2501653 | 69 | TBM2010101205 | 2010-10-15 | 1255 |
| 2543657 | 69 | TBM2010101205 | 2010-10-15 | 1332 |
| 3078939 | 69 | TBM2011030401 | 2011-03-02 | 1046 |
| 2383736 | 69 | TBM2011051407 | 2011-05-18 | 1620 |
| 2760823 | 69 | TBM2011060603 | 2011-06-27 | 1407 |
| 2802264 | 69 | TBM2011070407 | 2011-07-11 | 1212 |
| 2388611 | 69 | TBM2011090301 | 2011-09-14 | 1415 |
| 2813962 | 69 | TBM2011100603 | 2011-10-03 | 1111 |
| 2778737 | 69 | TBM2011100605 | 2011-10-03 | 1185 |
| 2809483 | 69 | TBM2011110605 | 2011-11-02 | 1874 |
| 2374445 | 69 | TBM2012010203 | 2012-01-04 | 1576 |
| 2973206 | 69 | TBM2012010203 | 2012-01-04 | 2633 |
| 2615232 | 69 | TBM2012050910 | 2012-05-10 | 1055 |
| 2773335 | 69 | TBM2012081103 | 2012-08-09 | 1449 |
| 2916924 | 69 | TBM2012100304 | 2012-10-22 | 1338 |
| 2963621 | 69 | TBM2012100304 | 2012-10-22 | 2416 |
| 2709527 | 69 | TBM2013050702 | 2013-05-21 | 2195 |
| 2807842 | 69 | TBM2013060701 | 2013-06-11 | 1841 |
| 2744606 | 69 | TBM2013060705 | 2013-06-11 | 1541 |
| 3032651 | 69 | TBM2013060707 | 2013-06-11 | 1364 |
| 2800965 | 69 | TBM2013070208 | 2013-07-03 | 2110 |
| 2522299 | 69 | TBM2013071001 | 2013-07-16 | 1141 |
| 2853209 | 69 | TBM2013080404 | 2013-08-13 | 1773 |
| 2747890 | 69 | TBM2013091302 | 2013-09-23 | 2114 |
| 2543221 | 69 | TBM2013110103 | 2013-11-04 | 2734 |
| 2959645 | 69 | TBM2013110104 | 2013-11-04 | 1173 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2885156 | 69 | TBM2014050206 | 2014-05-06 | 1215 |
| 2940704 | 69 | TBM2014050208 | 2014-05-06 | 1749 |
| 2885240 | 69 | TBM2014070408 | 2014-07-07 | 2530 |
| 2678806 | 69 | TBM2014080106 | 2014-08-06 | 1596 |
| 2906613 | 69 | TBM2014080601 | 2014-08-07 | 1109 |
| 2678924 | 69 | TBM2014081110 | 2014-08-14 | 1319 |
| 2820691 | 69 | TBM2014100904 | 2014-10-06 | 1463 |
| 2854977 | 69 | TBM2014100906 | 2014-10-06 | 1695 |
| 2744262 | 69 | TBM2014101302 | 2014-10-14 | 1324 |
| 2797716 | 69 | TBM2014110404 | 2014-11-12 | 3094 |
| 2949688 | 69 | TBM2014110901 | 2014-11-06 | 1334 |
| 2833334 | 69 | TBM2014111002 | 2014-11-13 | 1713 |
| 2485362 | 69 | TBM2015071501 | 2015-07-09 | 2546 |
| 1976901 | 69 | TBM2015090704 | 2015-09-03 | 2509 |
| 2704018 | 69 | TBM2015090704 | 2015-09-03 | 1405 |
| 2954472 | 69 | TBM2015090704 | 2015-09-03 | 1064 |
| 2852819 | 69 | TBM2015101008 | 2015-10-13 | 1182 |
| 2846796 | 69 | TBM2015101306 | 2015-10-26 | 1169 |
| 2505719 | 69 | TBM2015110804 | 2015-11-02 | 1414 |
| 2920112 | 69 | TBM2015110805 | 2015-11-02 | 1050 |
| 2930991 | 69 | TBM2015110805 | 2015-11-02 | 1235 |
| 2691987 | 69 | TBM2015110901 | 2015-11-12 | 2013 |
| 2486291 | 69 | TBM2015111205 | 2015-11-03 | 1107 |
| 2953032 | 69 | TBM2016010204 | 2016-01-11 | 1258 |
| 2039432 | 69 | TBM2016071101 | 2016-07-07 | 1473 |
| 2397666 | 69 | TBM2016071101 | 2016-07-07 | 1151 |
| 2078110 | 69 | TBM2016091807 | 2016-09-08 | 1623 |
| 2112623 | 69 | TBM2016101401 | 2016-10-13 | 1129 |
| 2576156 | 69 | TBM2016101406 | 2016-10-13 | 1594 |
| 2496905 | 69 | TBM2017020302 | 2017-02-13 | 1147 |
| 2347653 | 69 | TBM2017090906 | 2017-09-27 | 1121 |
| 2604910 | 69 | TBM2017100502 | 2017-10-16 | 1626 |
| 2660719 | 69 | TBM2017100804 | 2017-10-10 | 2535 |
| 3036275 | 69 | TBM2017100805 | 2017-10-10 | 1223 |
| 3036276 | 69 | TBM2017101504 | 2017-10-06 | 1204 |
| 3003972 | 69 | TBM2017111101 | 2017-11-06 | 1280 |
| 2117535 | 69 | TBM2018080106 | 2018-08-13 | 1070 |
| 2854666 | 69 | TBM2018090803 | 2018-09-14 | 1265 |
| 2169359 | 69 | TBM2018090905 | 2018-09-10 | 1793 |
| 2934369 | 69 | TBM2018111201 | 2018-11-01 | 1289 |
| 2211149 | 69 | TBM2019060106 | 2019-06-03 | 1628 |
| 3004799 | 69 | TBM2019061203 | 2019-06-17 | 1816 |
| 2225145 | 69 | TBM2019070303 | 2019-07-01 | 1375 |
| 2466168 | 69 | TBM2019070304 | 2019-07-01 | 1102 |
| 2273662 | 69 | TBM2019070705 | 2019-07-08 | 1065 |
| 2284578 | 69 | TBM2019071503 | 2019-07-09 | 2024 |
| 2250986 | 69 | TBM2019071504 | 2019-07-09 | 1729 |
| 2132053 | 69 | TBM2019080306 | 2019-08-05 | 2215 |
| 2229220 | 69 | TBM2019090402 | 2019-09-24 | 1755 |
| 1916402 | 69 | TBM2019090501 | 2019-09-16 | 1923 |
| 2259551 | 69 | TBM2019101103 | 2019-10-15 | 1183 |
| 2259161 | 69 | TBM2019101105 | 2019-10-15 | 1757 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2351890 | 69 | TBM2019111303 | 2019-11-14 | 1052 |
| 2582338 | 69 | TBM2019111304 | 2019-11-14 | 1084 |
| 2199646 | 69 | TBM2019111306 | 2019-11-14 | 1759 |
| 2362367 | 69 | TBM2020020406 | 2020-02-10 | 1277 |
| 2166976 | 69 | TBM2020080105 | 2020-08-03 | 1465 |
| 2165983 | 69 | TBM2020081206 | 2020-08-13 | 3017 |
| 2231981 | 69 | TBM2020081207 | 2020-08-13 | 1767 |
| 2340293 | 69 | TBM2020090902 | 2020-09-03 | 1308 |
| 2472973 | 69 | TBM2021020703 | 2021-02-09 | 1391 |
| 2193558 | 69 | TBM2021060902 | 2021-06-04 | 1147 |
| 2373827 | 69 | TBM2021070703 | 2021-07-02 | 2034 |
| 2368840 | 69 | TBM2022090903 | 2022-09-02 | 1851 |
| 2341767 | 69 | TBM2022090904 | 2022-09-02 | 1862 |
| 3006922 | 69 | TBM2022101103 | 2022-10-10 | 1257 |
| 2155253 | 129 | 1 | 2001-02-20 | 1240 |
| 2192448 | 129 | 1 | 2003-02-18 | 1362 |
| 2216232 | 129 | 1 | 2003-02-18 | 1218 |
| 2109162 | 129 | 1 | 2003-03-18 | 1152 |
| 2192482 | 129 | 1 | 2003-03-18 | 1320 |
| 2095376 | 129 | 1 | 2010-01-20 | 1068 |
| 2168872 | 129 | 1 | 2010-01-20 | 1351 |
| 2175422 | 129 | 1 | 2010-03-17 | 1303 |
| 2097227 | 129 | 1 | 2011-02-17 | 1268 |
| 2174897 | 129 | 1 | 2011-02-17 | 2152 |
| 2175492 | 129 | 1 | 2011-02-17 | 1072 |
| 2178424 | 129 | 1 | 2011-02-17 | 3920 |
| 2178425 | 129 | 1 | 2011-02-17 | 4719 |
| 2178457 | 129 | 1 | 2011-03-15 | 1686 |
| 2222940 | 129 | 10 | 2003-02-18 | 1338 |
| 2222941 | 129 | 10 | 2003-02-18 | 1399 |
| 2381300 | 129 | 10 | 2011-02-16 | 1737 |
| 2386141 | 129 | 10 | 2011-02-16 | 1792 |
| 2386142 | 129 | 10 | 2011-02-16 | 2304 |
| 2392780 | 129 | 10 | 2011-02-16 | 1916 |
| 2407684 | 129 | 10 | 2011-02-16 | 1134 |
| 2364462 | 129 | 10 | 2011-03-16 | 3208 |
| 2386159 | 129 | 10 | 2011-03-16 | 1065 |
| 2407724 | 129 | 10 | 2011-03-16 | 1190 |
| 2407725 | 129 | 10 | 2011-03-16 | 1687 |
| 2465320 | 129 | 10 | 2022-03-29 | 1672 |
| 2466274 | 129 | 10 | 2022-03-29 | 1775 |
| 2490746 | 129 | 10 | 2022-03-29 | 2316 |
| 2531352 | 129 | 12 | 2001-02-20 | 1170 |
| 2572804 | 129 | 12 | 2010-01-19 | 1056 |
| 2965309 | 129 | 2 | 2009-04-21 | 1566 |
| 3000886 | 129 | 2 | 2009-10-28 | 1227 |
| 3081938 | 129 | 2 | 2009-10-28 | 1298 |
| 2211866 | 129 | 2 | 2011-02-17 | 1680 |
| 2151088 | 129 | 3 | 2001-04-24 | 1248 |
| 2246615 | 129 | 3 | 2002-04-16 | 1058 |
| 2246616 | 129 | 3 | 2002-04-16 | 1324 |
| 2262331 | 129 | 3 | 2002-04-16 | 2541 |

| RowID | ProgramID | ProgramLocationID | SampleDate | ResultValue |
|---------|-----------|-------------------|------------|-------------|
| 2683680 | 129 | 4 | 2010-02-16 | 1141 |
| 2683681 | 129 | 4 | 2010-02-16 | 1465 |
| 2932075 | 129 | 4 | 2010-02-16 | 1441 |
| 2691714 | 129 | 4 | 2011-02-16 | 1790 |
| 2691715 | 129 | 4 | 2011-02-16 | 2315 |
| 2935598 | 129 | 4 | 2011-02-16 | 3742 |
| 2946318 | 129 | 4 | 2011-02-16 | 2229 |
| 3024319 | 129 | 5 | 2001-03-27 | 1228 |
| 3036700 | 129 | 5 | 2003-03-19 | 2083 |
| 3036701 | 129 | 5 | 2003-03-19 | 4825 |
| 3045001 | 129 | 5 | 2003-03-19 | 6147 |
| 3045996 | 129 | 5 | 2003-03-19 | 2802 |
| 2347852 | 129 | 5 | 2010-01-20 | 1617 |
| 2347853 | 129 | 5 | 2010-01-20 | 5068 |
| 2352913 | 129 | 5 | 2010-01-20 | 1889 |
| 2329348 | 129 | 5 | 2010-03-17 | 1080 |
| 2329752 | 129 | 5 | 2010-03-17 | 1267 |
| 2362407 | 129 | 5 | 2010-03-17 | 1274 |
| 2221962 | 129 | 5 | 2011-02-16 | 2876 |
| 2221963 | 129 | 5 | 2011-02-16 | 4690 |
| 2353294 | 129 | 5 | 2011-02-16 | 3924 |
| 2283336 | 129 | 7 | 2011-02-15 | 1267 |
| 2283337 | 129 | 7 | 2011-02-15 | 1583 |
| 2312545 | 129 | 7 | 2011-02-15 | 1397 |
| 2457131 | 129 | 8 | 2001-02-21 | 1164 |
| 2301454 | 129 | 8 | 2003-02-19 | 1709 |
| 2435844 | 129 | 8 | 2004-02-17 | 1063 |
| 2578970 | 129 | 8 | 2011-02-16 | 3584 |
| 2578971 | 129 | 8 | 2011-02-16 | 4436 |
| 2615916 | 129 | 8 | 2011-02-16 | 4888 |
| 2615917 | 129 | 8 | 2011-02-16 | 5260 |
| 2616680 | 129 | 8 | 2011-02-16 | 5772 |
| 2616204 | 129 | 8 | 2011-03-16 | 1131 |
| 2579039 | 129 | 8 | 2011-04-12 | 1269 |
| 2595726 | 129 | 8 | 2011-04-12 | 1917 |
| 2762088 | 129 | 9 | 2001-03-28 | 1064 |
| 2762089 | 129 | 9 | 2001-03-28 | 1220 |
| 2814020 | 129 | 9 | 2001-03-28 | 1620 |
| 2814021 | 129 | 9 | 2001-03-28 | 1784 |
| 2951920 | 129 | 9 | 2003-02-18 | 1083 |
| 2996739 | 129 | 9 | 2004-03-23 | 1073 |
| 3042925 | 129 | 9 | 2011-01-18 | 1144 |
| 3065514 | 129 | 9 | 2011-02-16 | 4292 |
| 3065515 | 129 | 9 | 2011-02-16 | 5940 |
| 3072762 | 129 | 9 | 2011-02-16 | 8224 |
| 3073742 | 129 | 9 | 2011-02-16 | 5616 |
| 3045788 | 129 | 9 | 2011-03-16 | 1509 |
| 3065536 | 129 | 9 | 2011-03-16 | 5060 |
| 3123921 | 129 | 9 | 2011-03-16 | 1138 |
| 3123922 | 129 | 9 | 2011-03-16 | 4984 |
| 3065556 | 129 | 9 | 2011-04-12 | 1133 |
| 3381452 | 4043 | FU-9-62-2010 | 2010-03-10 | 1520 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program

129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring

4043 - RBNERR Fish Assessment

Discrete WQ

Discrete WQ - Nutrients

Ammonia, Un-ionized (NH3)

Quantile Values:

Low: **0.00304** High: **0.4778**

Total data for *Ammonia, Un-ionized (NH3)* across all programs: **523**

Table 10: Flagged data, overview by program for **Ammonia, Un-ionized (NH3)**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 5028 | 2 | 1 | 1 | 523 | 0.38241 | 0.38241 |

Programs containing flagged data:

5028 - Charlotte Harbor Aquatic Preserves Monthly Water Quality Program

Ammonium, Filtered (NH4)

Quantile Values:

Low: **-0.0231** High: **5.0979**

Total data for *Ammonium, Filtered (NH4)* across all programs: **141701**

Table 11: Flagged data, overview by program for **Ammonium, Filtered (NH4)**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 3 | 120 | 0 | 120 | 3128 | 3.83632 | 0.08469 |
| 354 | 1 | 0 | 1 | 6445 | 0.01552 | 0.00071 |
| 5002 | 161 | 140 | 21 | 61937 | 0.25994 | 0.11362 |

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program

5002 - Florida STORET / WIN

Nitrate (NO3)

Quantile Values:

Low: **0** High: **0.95771**

Total data for *Nitrate (NO3)* across all programs: **11230**

Table 12: Flagged data, overview by program for **Nitrate (NO3)**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 5002 | 12 | 0 | 12 | 9219 | 0.13017 | 0.10686 |

Programs containing flagged data:

5002 - Florida STORET / WIN

Nitrite (NO₂)

Quantile Values:

Low: **0.00014** High: **0.3**

Total data for *Nitrite (NO₂)* across all programs: **40529**

Table 13: Flagged data, overview by program for **Nitrite (NO₂)**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 5002 | 3 | 2 | 1 | 12130 | 0.02473 | 0.0074 |

Programs containing flagged data:

5002 - Florida STORET / WIN

Nitrogen, organic

Quantile Values:

Low: **0.029** High: **2.7**

Total data for *Nitrogen, organic* across all programs: **7121**

Table 14: Flagged data, overview by program for **Nitrogen, organic**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 5002 | 13 | 6 | 7 | 7121 | 0.18256 | 0.18256 |

Programs containing flagged data:

5002 - Florida STORET / WIN

NO₂+3, Filtered

Quantile Values:

Low: **-0.002** High: **2.83718**

Total data for *NO₂+3, Filtered* across all programs: **158860**

Table 15: Flagged data, overview by program for **NO₂+3, Filtered**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 3 | 153 | 0 | 153 | 2869 | 5.33287 | 0.09631 |
| 477 | 2 | 0 | 2 | 318 | 0.62893 | 0.00126 |
| 4058 | 1 | 0 | 1 | 2227 | 0.04490 | 0.00063 |
| 5002 | 153 | 150 | 3 | 72048 | 0.21236 | 0.09631 |

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
 477 - Suwannee River Water Management District Water Resource Monitoring Program
 4058 - City of Miami Beach Water Monitoring
 5002 - Florida STORET / WIN

Phosphate, Filtered (PO4)

Quantile Values:

Low: **-0.007** High: **0.75252**

Total data for *Phosphate, Filtered (PO4)* across all programs: **61936**

Table 16: Flagged data, overview by program for **Phosphate, Filtered (PO4)**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 3 | 16 | 0 | 16 | 4354 | 0.36748 | 0.02583 |
| 355 | 7 | 0 | 7 | 3176 | 0.22040 | 0.01130 |
| 513 | 3 | 0 | 3 | 3883 | 0.07726 | 0.00484 |
| 5002 | 87 | 51 | 36 | 37586 | 0.23147 | 0.14047 |

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 513 - Coastal Charlotte Harbor Monitoring Network
 5002 - Florida STORET / WIN

Total Kjeldahl Nitrogen

Quantile Values:

Low: **1e-04** High: **4.81323**

Total data for *Total Kjeldahl Nitrogen* across all programs: **116678**

Table 17: Flagged data, overview by program for **Total Kjeldahl Nitrogen**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 303 | 4 | 0 | 4 | 1228 | 0.32573 | 0.00343 |
| 476 | 2 | 0 | 2 | 4697 | 0.04258 | 0.00171 |
| 513 | 68 | 66 | 2 | 4361 | 1.55928 | 0.05828 |
| 5002 | 129 | 23 | 106 | 71322 | 0.18087 | 0.11056 |
| 5014 | 3 | 0 | 3 | 1319 | 0.22745 | 0.00257 |

Programs containing flagged data:

303 - River, Estuary and Coastal Observing Network
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 513 - Coastal Charlotte Harbor Monitoring Network
 5002 - Florida STORET / WIN
 5014 - Guana River and Guana Lake Water Quality Monitoring

Total Nitrogen

Quantile Values:

Low: **7e-05** High: **4.12935**

Total data for *Total Nitrogen* across all programs: **144066**

Table 18: Flagged data, overview by program for **Total Nitrogen**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 103 | 9 | 9 | 0 | 560 | 1.60714 | 0.00625 |
| 103 | 9 | 9 | 0 | 63 | 14.28571 | 0.00625 |
| 297 | 1 | 1 | 0 | 25707 | 0.00389 | 0.00069 |
| 297 | 1 | 1 | 0 | 25707 | 0.00389 | 0.00069 |
| 303 | 4 | 0 | 4 | 1222 | 0.32733 | 0.00278 |
| 303 | 4 | 0 | 4 | 1234 | 0.32415 | 0.00278 |
| 476 | 3 | 0 | 3 | 4497 | 0.06671 | 0.00208 |
| 479 | 2 | 0 | 2 | 8830 | 0.02265 | 0.00139 |
| 479 | 2 | 0 | 2 | 8825 | 0.02266 | 0.00139 |
| 513 | 33 | 30 | 3 | 3326 | 0.99218 | 0.02291 |
| 513 | 33 | 30 | 3 | 2710 | 1.21771 | 0.02291 |
| 514 | 63 | 63 | 0 | 10447 | 0.60304 | 0.04373 |
| 514 | 63 | 63 | 0 | 10489 | 0.60063 | 0.04373 |
| 4058 | 2 | 0 | 2 | 2125 | 0.09412 | 0.00139 |
| 5002 | 145 | 16 | 129 | 26477 | 0.54765 | 0.10065 |
| 5002 | 145 | 16 | 129 | 66016 | 0.21964 | 0.10065 |
| 5014 | 2 | 0 | 2 | 538 | 0.37175 | 0.00139 |

Programs containing flagged data:

103 - EPA STORage and RETrieval Data Warehouse (STORET)

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

303 - River, Estuary and Coastal Observing Network

476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

479 - Southwest Florida Water Management District - Water Quality Monitoring

513 - Coastal Charlotte Harbor Monitoring Network

514 - Florida LAKEWATCH Program

4058 - City of Miami Beach Water Monitoring

5002 - Florida STORET / WIN

5014 - Guana River and Guana Lake Water Quality Monitoring

Total Nitrogen

Quantile Values:

Low: **6e-05** High: **2.77562**

Total data for *Total Nitrogen* across all programs: **85439**

Table 19: Flagged data, overview by program for **Total Nitrogen**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 297 | 2 | 1 | 1 | 25707 | 0.00778 | 0.00234 |
| 297 | 2 | 1 | 1 | 25707 | 0.00778 | 0.00234 |
| 303 | 9 | 0 | 9 | 1234 | 0.72934 | 0.01053 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 303 | 9 | 0 | 9 | 1222 | 0.73650 | 0.01053 |
| 479 | 3 | 0 | 3 | 8830 | 0.03398 | 0.00351 |
| 479 | 3 | 0 | 3 | 8825 | 0.03399 | 0.00351 |
| 509 | 1 | 0 | 1 | 6212 | 0.01610 | 0.00117 |
| 509 | 1 | 0 | 1 | 6212 | 0.01610 | 0.00117 |
| 513 | 23 | 9 | 14 | 3326 | 0.69152 | 0.02692 |
| 513 | 23 | 9 | 14 | 2710 | 0.84871 | 0.02692 |
| 514 | 32 | 31 | 1 | 10489 | 0.30508 | 0.03745 |
| 514 | 32 | 31 | 1 | 10447 | 0.30631 | 0.03745 |
| 5002 | 53 | 0 | 53 | 66016 | 0.08028 | 0.06203 |
| 5002 | 53 | 0 | 53 | 26477 | 0.20017 | 0.06203 |
| 5058 | 1 | 0 | 1 | 268 | 0.37313 | 0.00117 |
| 5058 | 1 | 0 | 1 | 268 | 0.37313 | 0.00117 |
| 10000 | 3 | 0 | 3 | 2079 | 0.14430 | 0.00351 |
| 10000 | 3 | 0 | 3 | 2062 | 0.14549 | 0.00351 |

Programs containing flagged data:

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
 303 - River, Estuary and Coastal Observing Network
 479 - Southwest Florida Water Management District - Water Quality Monitoring
 509 - SERC Water Quality Monitoring Network
 513 - Coastal Charlotte Harbor Monitoring Network
 514 - Florida LAKEWATCH Program
 5002 - Florida STORET / WIN
 5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report
 10000 - RiverKeeper

Total Phosphorus

Quantile Values:

Low: **0** High: **0.73**

Total data for *Total Phosphorus* across all programs: **162889**

Table 20: Flagged data, overview by program for **Total Phosphorus**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 103 | 7 | 0 | 7 | 5682 | 0.12320 | 0.00430 |
| 355 | 3 | 0 | 3 | 3304 | 0.09080 | 0.00184 |
| 476 | 7 | 0 | 7 | 4813 | 0.14544 | 0.00430 |
| 479 | 1 | 0 | 1 | 8869 | 0.01128 | 0.00061 |
| 513 | 14 | 0 | 14 | 3736 | 0.37473 | 0.00859 |
| 5002 | 209 | 84 | 125 | 59610 | 0.35061 | 0.12831 |
| 5014 | 3 | 0 | 3 | 664 | 0.45181 | 0.00184 |

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

479 - Southwest Florida Water Management District - Water Quality Monitoring
 513 - Coastal Charlotte Harbor Monitoring Network
 5002 - Florida STORET / WIN
 5014 - Guana River and Guana Lake Water Quality Monitoring

Discrete WQ - Water Clarity

Chlorophyll a, Corrected for Pheophytin

Quantile Values:

Low: **0** High: **110**

Total data for *Chlorophyll a, Corrected for Pheophytin* across all programs: **67378**

Table 21: Flagged data, overview by program for **Chlorophyll a, Corrected for Pheophytin**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 103 | 4 | 0 | 4 | 1362 | 0.29369 | 0.00594 |
| 303 | 2 | 0 | 2 | 1903 | 0.10510 | 0.00297 |
| 354 | 1 | 0 | 1 | 2594 | 0.03855 | 0.00148 |
| 355 | 1 | 0 | 1 | 7881 | 0.01269 | 0.00148 |
| 476 | 1 | 0 | 1 | 2927 | 0.03416 | 0.00148 |
| 513 | 16 | 3 | 13 | 4125 | 0.38788 | 0.02375 |
| 514 | 6 | 0 | 6 | 1279 | 0.46912 | 0.00890 |
| 540 | 3 | 0 | 3 | 465 | 0.64516 | 0.00445 |
| 5002 | 29 | 1 | 28 | 21525 | 0.13473 | 0.04304 |
| 5014 | 3 | 0 | 3 | 663 | 0.45249 | 0.00445 |
| 10000 | 2 | 0 | 2 | 2737 | 0.07307 | 0.00297 |

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)
 303 - River, Estuary and Coastal Observing Network
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 513 - Coastal Charlotte Harbor Monitoring Network
 514 - Florida LAKEWATCH Program
 540 - Shellfish Harvest Area Classification Program
 5002 - Florida STORET / WIN
 5014 - Guana River and Guana Lake Water Quality Monitoring
 10000 - RiverKeeper

Chlorophyll a, Uncorrected for Pheophytin

Quantile Values:

Low: **0** High: **111.0856**

Total data for *Chlorophyll a, Uncorrected for Pheophytin* across all programs: **92145**

Table 22: Flagged data, overview by program for **Chlorophyll a, Uncorrected for Pheophytin**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 95 | 12 | 0 | 12 | 1888 | 0.63559 | 0.01302 |
| 103 | 26 | 26 | 0 | 4829 | 0.53841 | 0.02822 |
| 354 | 1 | 0 | 1 | 6708 | 0.01491 | 0.00109 |
| 355 | 1 | 0 | 1 | 4253 | 0.02351 | 0.00109 |
| 476 | 2 | 0 | 2 | 2964 | 0.06748 | 0.00217 |
| 479 | 1 | 0 | 1 | 1754 | 0.05701 | 0.00109 |
| 514 | 27 | 0 | 27 | 9410 | 0.28693 | 0.02930 |
| 540 | 3 | 0 | 3 | 453 | 0.66225 | 0.00326 |
| 4054 | 1 | 0 | 1 | 5240 | 0.01908 | 0.00109 |
| 5002 | 39 | 0 | 39 | 20053 | 0.19448 | 0.04232 |
| 5014 | 4 | 0 | 4 | 721 | 0.55479 | 0.00434 |
| 10000 | 2 | 0 | 2 | 3341 | 0.05986 | 0.00217 |

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
 103 - EPA STORage and RETrieval Data Warehouse (STORET)
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 479 - Southwest Florida Water Management District - Water Quality Monitoring
 514 - Florida LAKEWATCH Program
 540 - Shellfish Harvest Area Classification Program
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5002 - Florida STORET / WIN
 5014 - Guana River and Guana Lake Water Quality Monitoring
 10000 - RiverKeeper

Colored Dissolved Organic Matter

Quantile Values:

Low: **0** High: **699.3698**

Total data for *Colored Dissolved Organic Matter* across all programs: **26275**

Table 23: Flagged data, overview by program for **Colored Dissolved Organic Matter**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 4054 | 18 | 0 | 18 | 1652 | 1.08959 | 0.06851 |
| 5002 | 9 | 0 | 9 | 8023 | 0.11218 | 0.03425 |

Programs containing flagged data:

4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5002 - Florida STORET / WIN

Light Extinction Coefficient

Quantile Values:

Low: **0.001** High: **7.93897**

Total data for *Light Extinction Coefficient* across all programs: **15549**

Table 24: Flagged data, overview by program for **Light Extinction Coefficient**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 297 | 24 | 11 | 13 | 10403 | 0.23070 | 0.15435 |
| 4064 | 1 | 1 | 0 | 619 | 0.16155 | 0.00643 |
| 5002 | 3 | 0 | 3 | 2328 | 0.12887 | 0.01929 |
| 5058 | 1 | 1 | 0 | 133 | 0.75188 | 0.00643 |

Programs containing flagged data:

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments

5002 - Florida STORET / WIN

5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report

Secchi Depth

Quantile Values:

Low: **0.1** High: **19**

Total data for *Secchi Depth* across all programs: **350090**

Table 25: Flagged data, overview by program for **Secchi Depth**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 60 | 8 | 0 | 8 | 42 | 19.04762 | 0.00229 |
| 103 | 7 | 2 | 5 | 3121 | 0.22429 | 0.00200 |
| 470 | 1 | 0 | 1 | 356 | 0.28090 | 0.00029 |
| 476 | 1 | 1 | 0 | 3814 | 0.02622 | 0.00029 |
| 479 | 2 | 0 | 2 | 8954 | 0.02234 | 0.00057 |
| 514 | 3 | 2 | 1 | 9150 | 0.03279 | 0.00086 |
| 537 | 1 | 0 | 1 | 220 | 0.45455 | 0.00029 |
| 3001 | 28 | 28 | 0 | 8683 | 0.32247 | 0.00800 |
| 3013 | 3 | 3 | 0 | 1989 | 0.15083 | 0.00086 |
| 5002 | 6 | 5 | 1 | 22902 | 0.02620 | 0.00171 |
| 5033 | 307 | 0 | 307 | 7329 | 4.18884 | 0.08769 |
| 10000 | 1 | 1 | 0 | 3283 | 0.03046 | 0.00029 |

Programs containing flagged data:

60 - Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall & Summer Shrimp/Groundfish Survey

103 - EPA STORage and RETrieval Data Warehouse (STORET)

470 - St. Andrews Aquatic Preserve Water Quality Monitoring

476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

479 - Southwest Florida Water Management District - Water Quality Monitoring

514 - Florida LAKEWATCH Program
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
 3001 - Lagoon Watch (Formerly Marine Discovery Center)
 3013 - Seagrass (SJRWMD)
 5002 - Florida STORET / WIN
 5033 - Southeast Florida Water Quality Assessment Survey
 10000 - RiverKeeper

Total Suspended Solids

Quantile Values:

Low: **0** High: **177**

Total data for *Total Suspended Solids* across all programs: **89603**

Table 26: Flagged data, overview by program for **Total Suspended Solids**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 103 | 3 | 0 | 3 | 3614 | 0.08301 | 0.00335 |
| 355 | 1 | 0 | 1 | 3304 | 0.03027 | 0.00112 |
| 513 | 4 | 0 | 4 | 4259 | 0.09392 | 0.00446 |
| 4054 | 10 | 0 | 10 | 4365 | 0.22910 | 0.01116 |
| 5002 | 79 | 18 | 61 | 48665 | 0.16233 | 0.08817 |
| 5033 | 7 | 0 | 7 | 13801 | 0.05072 | 0.00781 |

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 513 - Coastal Charlotte Harbor Monitoring Network
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5002 - Florida STORET / WIN
 5033 - Southeast Florida Water Quality Assessment Survey

Turbidity

Quantile Values:

Low: **0** High: **126**

Total data for *Turbidity* across all programs: **314717**

Table 27: Flagged data, overview by program for **Turbidity**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 95 | 1 | 0 | 1 | 398 | 0.25126 | 0.00032 |
| 103 | 235 | 11 | 224 | 19595 | 1.19929 | 0.07467 |
| 303 | 29 | 0 | 29 | 1899 | 1.52712 | 0.00921 |
| 354 | 14 | 0 | 14 | 734 | 1.90736 | 0.00445 |
| 469 | 5 | 5 | 0 | 481 | 1.03950 | 0.00159 |
| 505 | 2 | 2 | 0 | 74 | 2.70270 | 0.00064 |
| 557 | 2 | 2 | 0 | 369 | 0.54201 | 0.00064 |
| 4058 | 2 | 0 | 2 | 2316 | 0.08636 | 0.00064 |
| 5002 | 42 | 0 | 42 | 209038 | 0.02009 | 0.01335 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 5026 | 10 | 9 | 1 | 410 | 2.43902 | 0.00318 |

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
 103 - EPA STORage and RETrieval Data Warehouse (STORET)
 303 - River, Estuary and Coastal Observing Network
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 469 - Central Panhandle Aquatic Preserve WQ Monitoring
 505 - Pensacola Bay Water Quality Monitoring Program
 557 - Central Panhandle Aquatic Preserves Seagrass Monitoring
 4058 - City of Miami Beach Water Monitoring
 5002 - Florida STORET / WIN
 5026 - North Biscayne Bay Seagrass Loss Water Quality Program

Discrete WQ - Water Quality

Dissolved Oxygen

Quantile Values:

Low: **0.23** High: **14**

Total data for *Dissolved Oxygen* across all programs: **852165**

Table 28: Flagged data, overview by program for **Dissolved Oxygen**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 69 | 615 | 72 | 543 | 276890 | 0.22211 | 0.07217 |
| 95 | 49 | 9 | 40 | 15148 | 0.32348 | 0.00575 |
| 103 | 1 | 0 | 1 | 24048 | 0.00416 | 0.00012 |
| 118 | 1 | 1 | 0 | 546 | 0.18315 | 0.00012 |
| 297 | 2 | 0 | 2 | 32169 | 0.00622 | 0.00023 |
| 303 | 3 | 0 | 3 | 1415 | 0.21201 | 0.00035 |
| 355 | 2 | 2 | 0 | 2466 | 0.08110 | 0.00023 |
| 470 | 1 | 0 | 1 | 921 | 0.10858 | 0.00012 |
| 476 | 4 | 4 | 0 | 4394 | 0.09103 | 0.00047 |
| 477 | 2 | 2 | 0 | 314 | 0.63694 | 0.00023 |
| 479 | 44 | 38 | 6 | 19968 | 0.22035 | 0.00516 |
| 509 | 2 | 1 | 1 | 12158 | 0.01645 | 0.00023 |
| 513 | 26 | 23 | 3 | 8259 | 0.31481 | 0.00305 |
| 537 | 1 | 1 | 0 | 370 | 0.27027 | 0.00012 |
| 540 | 1 | 0 | 1 | 396 | 0.25253 | 0.00012 |
| 557 | 1 | 0 | 1 | 1129 | 0.08857 | 0.00012 |
| 560 | 7 | 0 | 7 | 2371 | 0.29523 | 0.00082 |
| 3000 | 1 | 1 | 0 | 379 | 0.26385 | 0.00012 |
| 3001 | 7 | 2 | 5 | 12742 | 0.05494 | 0.00082 |
| 3013 | 1 | 0 | 1 | 2283 | 0.04380 | 0.00012 |
| 4043 | 4 | 4 | 0 | 2972 | 0.13459 | 0.00047 |
| 4054 | 6 | 0 | 6 | 3287 | 0.18254 | 0.00070 |
| 4058 | 7 | 3 | 4 | 2254 | 0.31056 | 0.00082 |
| 4067 | 46 | 38 | 8 | 17562 | 0.26193 | 0.00540 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 5002 | 797 | 605 | 192 | 383433 | 0.20786 | 0.09353 |
| 5014 | 3 | 3 | 0 | 259 | 1.15830 | 0.00035 |
| 10000 | 7 | 7 | 0 | 6876 | 0.10180 | 0.00082 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
 95 - Harmful Algal Bloom Marine Observation Network
 103 - EPA STORage and RETrieval Data Warehouse (STORET)
 118 - National Aquatic Resource Surveys, National Coastal Condition Assessment
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
 303 - River, Estuary and Coastal Observing Network
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 470 - St. Andrews Aquatic Preserve Water Quality Monitoring
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 477 - Suwannee River Water Management District Water Resource Monitoring Program
 479 - Southwest Florida Water Management District - Water Quality Monitoring
 509 - SERC Water Quality Monitoring Network
 513 - Coastal Charlotte Harbor Monitoring Network
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
 540 - Shellfish Harvest Area Classification Program
 557 - Central Panhandle Aquatic Preserves Seagrass Monitoring
 560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
 3000 - Florida Keys Water Watch
 3001 - Lagoon Watch (Formerly Marine Discovery Center)
 3013 - Seagrass (SJRWMD)
 4043 - RBNERR Fish Assessment
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 4058 - City of Miami Beach Water Monitoring
 4067 - Tampa Bay Benthic Monitoring
 5002 - Florida STORET / WIN
 5014 - Guana River and Guana Lake Water Quality Monitoring
 10000 - RiverKeeper

Dissolved Oxygen Saturation

Quantile Values:

Low: **0.34293** High: **174.98932**

Total data for *Dissolved Oxygen Saturation* across all programs: **154357**

Table 29: Flagged data, overview by program for **Dissolved Oxygen Saturation**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 95 | 3 | 1 | 2 | 1498 | 0.20027 | 0.00194 |
| 129 | 1 | 0 | 1 | 3933 | 0.02543 | 0.00065 |
| 297 | 12 | 0 | 12 | 25419 | 0.04721 | 0.00777 |
| 303 | 6 | 0 | 6 | 1682 | 0.35672 | 0.00389 |
| 572 | 1 | 0 | 1 | 27 | 3.70370 | 0.00065 |
| 3001 | 171 | 151 | 20 | 12654 | 1.35135 | 0.11078 |
| 3013 | 3 | 0 | 3 | 1160 | 0.25862 | 0.00194 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|-------|----------|---------|
| 4064 | 1 | 0 | 1 | 619 | 0.16155 | 0.00065 |
| 4067 | 32 | 0 | 32 | 17104 | 0.18709 | 0.02073 |
| 5002 | 78 | 3 | 75 | 70692 | 0.11034 | 0.05053 |
| 5008 | 1 | 0 | 1 | 2613 | 0.03827 | 0.00065 |
| 5026 | 1 | 0 | 1 | 491 | 0.20367 | 0.00065 |

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
 129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
 303 - River, Estuary and Coastal Observing Network
 572 - Rookery Bay National Estuarine Research Reserve Seagrass Monitoring
 3001 - Lagoon Watch (Formerly Marine Discovery Center)
 3013 - Seagrass (SJRWMD)
 4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments
 4067 - Tampa Bay Benthic Monitoring
 5002 - Florida STORET / WIN
 5008 - Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region
 5026 - North Biscayne Bay Seagrass Loss Water Quality Program

pH

Quantile Values:

Low: **5.3** High: **9.3**

Total data for *pH* across all programs: **685020**

Table 30: Flagged data, overview by program for **pH**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 69 | 376 | 117 | 259 | 275616 | 0.13642 | 0.05489 |
| 95 | 54 | 7 | 47 | 12884 | 0.41912 | 0.00788 |
| 103 | 1 | 0 | 1 | 13822 | 0.00723 | 0.00015 |
| 129 | 7 | 3 | 4 | 2248 | 0.31139 | 0.00102 |
| 303 | 20 | 0 | 20 | 1882 | 1.06270 | 0.00292 |
| 354 | 12 | 2 | 10 | 885 | 1.35593 | 0.00175 |
| 355 | 12 | 4 | 8 | 1295 | 0.92664 | 0.00175 |
| 469 | 13 | 0 | 13 | 1168 | 1.11301 | 0.00190 |
| 470 | 1 | 0 | 1 | 946 | 0.10571 | 0.00015 |
| 476 | 4 | 2 | 2 | 4805 | 0.08325 | 0.00058 |
| 477 | 8 | 8 | 0 | 318 | 2.51572 | 0.00117 |
| 479 | 16 | 7 | 9 | 17571 | 0.09106 | 0.00234 |
| 509 | 25 | 25 | 0 | 3472 | 0.72005 | 0.00365 |
| 513 | 7 | 2 | 5 | 8203 | 0.08533 | 0.00102 |
| 560 | 2 | 2 | 0 | 2084 | 0.09597 | 0.00029 |
| 3000 | 2 | 0 | 2 | 331 | 0.60423 | 0.00029 |
| 3001 | 6 | 4 | 2 | 12159 | 0.04935 | 0.00088 |
| 3013 | 1 | 0 | 1 | 2271 | 0.04403 | 0.00015 |
| 4054 | 2 | 1 | 1 | 3375 | 0.05926 | 0.00029 |
| 4058 | 5 | 1 | 4 | 2308 | 0.21664 | 0.00073 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 4065 | 1 | 0 | 1 | 332 | 0.30120 | 0.00015 |
| 4067 | 12 | 3 | 9 | 13727 | 0.08742 | 0.00175 |
| 5002 | 650 | 454 | 196 | 287340 | 0.22621 | 0.09489 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
 95 - Harmful Algal Bloom Marine Observation Network
 103 - EPA STORage and RETrieval Data Warehouse (STORET)
 129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring
 303 - River, Estuary and Coastal Observing Network
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 469 - Central Panhandle Aquatic Preserve WQ Monitoring
 470 - St. Andrews Aquatic Preserve Water Quality Monitoring
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 477 - Suwannee River Water Management District Water Resource Monitoring Program
 479 - Southwest Florida Water Management District - Water Quality Monitoring
 509 - SERC Water Quality Monitoring Network
 513 - Coastal Charlotte Harbor Monitoring Network
 560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
 3000 - Florida Keys Water Watch
 3001 - Lagoon Watch (Formerly Marine Discovery Center)
 3013 - Seagrass (SJRWMD)
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 4058 - City of Miami Beach Water Monitoring
 4065 - Northwest Florida Aquatic Preserve Seagrass Survey
 4067 - Tampa Bay Benthic Monitoring
 5002 - Florida STORET / WIN

Salinity

Quantile Values:

Low: **0** High: **41.1**

Total data for *Salinity* across all programs: **853903**

Table 31: Flagged data, overview by program for **Salinity**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 3 | 16 | 0 | 16 | 4636 | 0.34513 | 0.00187 |
| 69 | 134 | 0 | 134 | 278912 | 0.04804 | 0.01569 |
| 95 | 126 | 0 | 126 | 26608 | 0.47354 | 0.01476 |
| 115 | 3 | 0 | 3 | 360 | 0.83333 | 0.00035 |
| 118 | 16 | 0 | 16 | 535 | 2.99065 | 0.00187 |
| 297 | 33 | 0 | 33 | 31841 | 0.10364 | 0.00386 |
| 354 | 6 | 0 | 6 | 1283 | 0.46765 | 0.00070 |
| 456 | 6 | 0 | 6 | 134 | 4.47761 | 0.00070 |
| 476 | 17 | 0 | 17 | 5044 | 0.33703 | 0.00199 |
| 509 | 19 | 0 | 19 | 12034 | 0.15789 | 0.00223 |
| 560 | 1 | 0 | 1 | 2396 | 0.04174 | 0.00012 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 965 | 8 | 0 | 8 | 4157 | 0.19245 | 0.00094 |
| 3000 | 4 | 0 | 4 | 388 | 1.03093 | 0.00047 |
| 3001 | 14 | 0 | 14 | 12721 | 0.11005 | 0.00164 |
| 3013 | 4 | 0 | 4 | 2346 | 0.17050 | 0.00047 |
| 4043 | 1 | 0 | 1 | 3043 | 0.03286 | 0.00012 |
| 4049 | 27 | 0 | 27 | 1354 | 1.99409 | 0.00316 |
| 4057 | 3 | 0 | 3 | 230 | 1.30435 | 0.00035 |
| 4058 | 2 | 0 | 2 | 2308 | 0.08666 | 0.00023 |
| 4067 | 3 | 0 | 3 | 12597 | 0.02382 | 0.00035 |
| 5002 | 373 | 0 | 373 | 391087 | 0.09538 | 0.04368 |

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
 69 - Fisheries-Independent Monitoring (FIM) Program
 95 - Harmful Algal Bloom Marine Observation Network
 115 - Environmental Monitoring Assessment Program
 118 - National Aquatic Resource Surveys, National Coastal Condition Assessment
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 456 - Oyster Sentinel
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 509 - SERC Water Quality Monitoring Network
 560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
 965 - South Florida Seagrass Fish and Invertebrate Assessment Network
 3000 - Florida Keys Water Watch
 3001 - Lagoon Watch (Formerly Marine Discovery Center)
 3013 - Seagrass (SJRWMD)
 4043 - RBNERR Fish Assessment
 4049 - The South Florida Fisheries Habitat Assessment Program (FHAP)
 4057 - Biscayne Bay Water Watch
 4058 - City of Miami Beach Water Monitoring
 4067 - Tampa Bay Benthic Monitoring
 5002 - Florida STORET / WIN

Specific Conductivity

Quantile Values:

Low: **0.0054** High: **60.71**

Total data for *Specific Conductivity* across all programs: **445730**

Table 32: Flagged data, overview by program for **Specific Conductivity**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 69 | 397 | 397 | 0 | 248260 | 0.15991 | 0.08907 |
| 95 | 1 | 1 | 0 | 2834 | 0.03529 | 0.00022 |
| 103 | 1 | 0 | 1 | 10667 | 0.00937 | 0.00022 |
| 354 | 9 | 0 | 9 | 425 | 2.11765 | 0.00202 |
| 355 | 1 | 0 | 1 | 639 | 0.15649 | 0.00022 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 514 | 1 | 0 | 1 | 2885 | 0.03466 | 0.00022 |
| 572 | 1 | 0 | 1 | 27 | 3.70370 | 0.00022 |
| 3013 | 5 | 0 | 5 | 2290 | 0.21834 | 0.00112 |
| 4058 | 16 | 0 | 16 | 2301 | 0.69535 | 0.00359 |
| 4067 | 4 | 0 | 4 | 13474 | 0.02969 | 0.00090 |
| 5002 | 406 | 0 | 406 | 123298 | 0.32928 | 0.09109 |
| 10000 | 1 | 0 | 1 | 6765 | 0.01478 | 0.00022 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network
103 - EPA STORage and RETrieval Data Warehouse (STORET)
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
514 - Florida LAKEWATCH Program
572 - Rookery Bay National Estuarine Research Reserve Seagrass Monitoring
3013 - Seagrass (SJRWMD)
4058 - City of Miami Beach Water Monitoring
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN
10000 - RiverKeeper

Water Temperature

Quantile Values:

Low: **6.6** *High*: **33.9**

Total data for *Water Temperature* across all programs: **902592**

Table 33: Flagged data, overview by program for **Water Temperature**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 69 | 413 | 117 | 296 | 279298 | 0.14787 | 0.04576 |
| 95 | 83 | 4 | 79 | 25823 | 0.32142 | 0.00920 |
| 103 | 5 | 0 | 5 | 25337 | 0.01973 | 0.00055 |
| 129 | 2 | 1 | 1 | 3959 | 0.05052 | 0.00022 |
| 297 | 31 | 0 | 31 | 31803 | 0.09748 | 0.00343 |
| 303 | 10 | 0 | 10 | 1977 | 0.50582 | 0.00111 |
| 354 | 7 | 0 | 7 | 1281 | 0.54645 | 0.00078 |
| 355 | 11 | 11 | 0 | 2495 | 0.44088 | 0.00122 |
| 470 | 1 | 0 | 1 | 974 | 0.10267 | 0.00011 |
| 476 | 2 | 1 | 1 | 5088 | 0.03931 | 0.00022 |
| 479 | 4 | 0 | 4 | 18434 | 0.02170 | 0.00044 |
| 509 | 8 | 0 | 8 | 12044 | 0.06642 | 0.00089 |
| 513 | 3 | 0 | 3 | 8329 | 0.03602 | 0.00033 |
| 537 | 1 | 0 | 1 | 370 | 0.27027 | 0.00011 |
| 540 | 2 | 0 | 2 | 435 | 0.45977 | 0.00022 |
| 557 | 1 | 0 | 1 | 1118 | 0.08945 | 0.00011 |
| 558 | 1 | 0 | 1 | 416 | 0.24038 | 0.00011 |
| 560 | 3 | 0 | 3 | 2395 | 0.12526 | 0.00033 |

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|--------|----------|---------|
| 965 | 5 | 0 | 5 | 4157 | 0.12028 | 0.00055 |
| 982 | 5 | 0 | 5 | 1129 | 0.44287 | 0.00055 |
| 3000 | 13 | 0 | 13 | 379 | 3.43008 | 0.00144 |
| 3001 | 74 | 3 | 71 | 12780 | 0.57903 | 0.00820 |
| 3013 | 10 | 0 | 10 | 2336 | 0.42808 | 0.00111 |
| 4043 | 3 | 0 | 3 | 3037 | 0.09878 | 0.00033 |
| 4054 | 6 | 0 | 6 | 3520 | 0.17045 | 0.00066 |
| 4057 | 1 | 0 | 1 | 227 | 0.44053 | 0.00011 |
| 4058 | 2 | 0 | 2 | 2298 | 0.08703 | 0.00022 |
| 4064 | 3 | 0 | 3 | 619 | 0.48465 | 0.00033 |
| 4067 | 3 | 0 | 3 | 16167 | 0.01856 | 0.00033 |
| 5002 | 1004 | 745 | 259 | 416267 | 0.24119 | 0.11124 |
| 5008 | 1 | 0 | 1 | 2613 | 0.03827 | 0.00011 |
| 5026 | 2 | 0 | 2 | 1535 | 0.13029 | 0.00022 |

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network
103 - EPA STOrage and RETrieval Data Warehouse (STORET)
129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
303 - River, Estuary and Coastal Observing Network
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
470 - St. Andrews Aquatic Preserve Water Quality Monitoring
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
479 - Southwest Florida Water Management District - Water Quality Monitoring
509 - SERC Water Quality Monitoring Network
513 - Coastal Charlotte Harbor Monitoring Network
537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
540 - Shellfish Harvest Area Classification Program
557 - Central Panhandle Aquatic Preserves Seagrass Monitoring
558 - Franklin County Coastal Waters Seagrass Monitoring
560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
965 - South Florida Seagrass Fish and Invertebrate Assessment Network
982 - Florida Keys Bleach Watch
3000 - Florida Keys Water Watch
3001 - Lagoon Watch (Formerly Marine Discovery Center)
3013 - Seagrass (SJRWMD)
4043 - RBNERR Fish Assessment
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
4057 - Biscayne Bay Water Watch
4058 - City of Miami Beach Water Monitoring
4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN
5008 - Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region
5026 - North Biscayne Bay Seagrass Loss Water Quality Program

Continuous WQ

Continuous WQ - Water Quality

Dissolved Oxygen

Quantile Values:

Low: **0.1** High: **13.4**

Total data for *Dissolved Oxygen* across all programs: **14177285**

Table 34: Flagged data, overview by program for **Dissolved Oxygen**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|---------|----------|---------|
| 7 | 11 | 0 | 11 | 11878 | 0.09261 | 0.00008 |
| 354 | 1853 | 614 | 1239 | 2665127 | 0.06953 | 0.01307 |
| 355 | 13372 | 3078 | 10294 | 3176157 | 0.42101 | 0.09432 |
| 467 | 120 | 76 | 44 | 232610 | 0.05159 | 0.00085 |
| 468 | 144 | 2 | 142 | 214674 | 0.06708 | 0.00102 |
| 471 | 96 | 1 | 95 | 828076 | 0.01159 | 0.00068 |
| 474 | 45 | 18 | 27 | 1476139 | 0.00305 | 0.00032 |
| 505 | 1 | 1 | 0 | 3794 | 0.02636 | 0.00001 |
| 512 | 908 | 446 | 462 | 1632623 | 0.05562 | 0.00640 |
| 4054 | 2 | 2 | 0 | 2654737 | 0.00008 | 0.00001 |
| 5006 | 17 | 17 | 0 | 299984 | 0.00567 | 0.00012 |
| 5061 | 143 | 38 | 105 | 168634 | 0.08480 | 0.00101 |
| 5077 | 2077 | 1003 | 1074 | 711227 | 0.29203 | 0.01465 |

Programs containing flagged data:

7 - National Water Information System

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program

355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program

467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring

468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring

471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring

474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring

505 - Pensacola Bay Water Quality Monitoring Program

512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring

4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program

5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring

5061 - St. Johns River Water Management District Continuous Water Quality Programs

5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

Dissolved Oxygen Saturation

Quantile Values:

Low: **1.6** High: **170.52318**

Total data for *Dissolved Oxygen Saturation* across all programs: **14278823**

Table 35: Flagged data, overview by program for **Dissolved Oxygen Saturation**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|---------|----------|---------|
| 354 | 4594 | 2771 | 1823 | 2689966 | 0.17078 | 0.03217 |
| 355 | 10840 | 8245 | 2595 | 3182191 | 0.34065 | 0.07592 |
| 467 | 258 | 252 | 6 | 238878 | 0.10800 | 0.00181 |
| 468 | 303 | 2 | 301 | 230769 | 0.13130 | 0.00212 |
| 471 | 550 | 9 | 541 | 835119 | 0.06586 | 0.00385 |
| 474 | 930 | 173 | 757 | 1489985 | 0.06242 | 0.00651 |
| 505 | 1 | 1 | 0 | 3748 | 0.02668 | 0.00001 |
| 512 | 4251 | 833 | 3418 | 1631583 | 0.26054 | 0.02977 |
| 4054 | 10 | 10 | 0 | 2679645 | 0.00037 | 0.00007 |
| 5006 | 58 | 58 | 0 | 300017 | 0.01933 | 0.00041 |
| 5061 | 263 | 37 | 226 | 179447 | 0.14656 | 0.00184 |
| 5077 | 5789 | 1250 | 4539 | 715849 | 0.80869 | 0.04054 |
| 10004 | 73 | 0 | 73 | 13235 | 0.55157 | 0.00051 |

Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
505 - Pensacola Bay Water Quality Monitoring Program
512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
5061 - St. Johns River Water Management District Continuous Water Quality Programs
5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
10004 - Florida Keys Aquatic Preserves Continuous Water Quality Monitoring

pH

Quantile Values:

Low: 5 High: 9

Total data for *pH* across all programs: **14780709**

Table 36: Flagged data, overview by program for **pH**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|---------|----------|---------|
| 354 | 16 | 16 | 0 | 2919903 | 0.00055 | 0.00011 |
| 355 | 15032 | 12202 | 2830 | 3216948 | 0.46728 | 0.10170 |
| 468 | 315 | 2 | 313 | 238550 | 0.13205 | 0.00213 |
| 471 | 4572 | 0 | 4572 | 986065 | 0.46366 | 0.03093 |
| 474 | 359 | 7 | 352 | 1729865 | 0.02075 | 0.00243 |
| 512 | 377 | 60 | 317 | 1541264 | 0.02446 | 0.00255 |
| 4054 | 915 | 0 | 915 | 2606872 | 0.03510 | 0.00619 |
| 5061 | 4534 | 0 | 4534 | 168395 | 2.69248 | 0.03068 |
| 5077 | 138 | 0 | 138 | 711488 | 0.01940 | 0.00093 |

Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
 471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
 474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
 512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5061 - St. Johns River Water Management District Continuous Water Quality Programs
 5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

Salinity

Quantile Values:

Low: **0** High: **40.8**

Total data for *Salinity* across all programs: **15646708**

Table 37: Flagged data, overview by program for **Salinity**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|---------|----------|---------|
| 2 | 56 | 0 | 56 | 86204 | 0.06496 | 0.00036 |
| 7 | 214 | 0 | 214 | 71039 | 0.30124 | 0.00137 |
| 354 | 12590 | 0 | 12590 | 3026092 | 0.41605 | 0.08046 |
| 355 | 407 | 0 | 407 | 3329431 | 0.01222 | 0.00260 |
| 474 | 1302 | 0 | 1302 | 1758731 | 0.07403 | 0.00832 |
| 4054 | 833 | 0 | 833 | 2638901 | 0.03157 | 0.00532 |
| 5006 | 9 | 0 | 9 | 311839 | 0.00289 | 0.00006 |
| 5077 | 39 | 0 | 39 | 703326 | 0.00555 | 0.00025 |

Programs containing flagged data:

2 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array
 7 - National Water Information System
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
 5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

Water Temperature

Quantile Values:

Low: **8.1** High: **33.8**

Total data for *Water Temperature* across all programs: **37898674**

Table 38: Flagged data, overview by program for **Water Temperature**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|---------|----------|---------|
| 2 | 5 | 0 | 5 | 86204 | 0.00580 | 0.00001 |
| 5 | 9131 | 2893 | 6238 | 6144120 | 0.14861 | 0.02409 |
| 7 | 233 | 1 | 232 | 99321 | 0.23459 | 0.00061 |
| 296 | 2954 | 0 | 2954 | 3987025 | 0.07409 | 0.00779 |
| 354 | 10092 | 68 | 10024 | 3110599 | 0.32444 | 0.02663 |
| 355 | 12401 | 12066 | 335 | 3423611 | 0.36222 | 0.03272 |
| 467 | 1533 | 1480 | 53 | 274031 | 0.55943 | 0.00404 |
| 468 | 2933 | 2238 | 695 | 266445 | 1.10079 | 0.00774 |
| 471 | 12220 | 10983 | 1237 | 1272310 | 0.96046 | 0.03224 |
| 474 | 6668 | 210 | 6458 | 1899869 | 0.35097 | 0.01759 |
| 505 | 13 | 12 | 1 | 3870 | 0.33592 | 0.00003 |
| 512 | 1511 | 322 | 1189 | 1750964 | 0.08630 | 0.00399 |
| 986 | 306 | 0 | 306 | 8692018 | 0.00352 | 0.00081 |
| 989 | 104 | 1 | 103 | 1824357 | 0.00570 | 0.00027 |
| 4054 | 6653 | 2610 | 4043 | 2774590 | 0.23978 | 0.01755 |
| 5005 | 294 | 0 | 294 | 43791 | 0.67137 | 0.00078 |
| 5006 | 1543 | 1542 | 1 | 312254 | 0.49415 | 0.00407 |
| 5061 | 177 | 174 | 3 | 169093 | 0.10468 | 0.00047 |
| 5077 | 1750 | 923 | 827 | 743078 | 0.23551 | 0.00462 |
| 10003 | 51 | 0 | 51 | 41374 | 0.12327 | 0.00013 |

Programs containing flagged data:

2 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array
 5 - National Data Buoy Center
 7 - National Water Information System
 296 - Florida Keys National Marine Sanctuary Seagrass Monitoring Project
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
 468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
 471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
 474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
 505 - Pensacola Bay Water Quality Monitoring Program
 512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
 986 - Water Temperature on Coral Reefs in the Florida Keys
 989 - Continuous Bottom Temperature Measurements along the Florida Reef Tract
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5005 - Indian River Lagoon Aquatic Preserves Continuous Water Quality Monitoring
 5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
 5061 - St. Johns River Water Management District Continuous Water Quality Programs
 5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
 10003 - Tomoka Marsh Aquatic Preserve Continuous Water Quality Monitoring

Continuous WQ - Water Clarity

Turbidity

Quantile Values:

Low: **0** High: **518**

Total data for *Turbidity* across all programs: **14112217**

Table 39: Flagged data, overview by program for **Turbidity**

| ProgramID | n flagged | n low | n high | n tot | pct prog | pct all |
|-----------|-----------|-------|--------|---------|----------|---------|
| 354 | 1695 | 0 | 1695 | 2858398 | 0.05930 | 0.01201 |
| 355 | 5634 | 0 | 5634 | 3109737 | 0.18117 | 0.03992 |
| 467 | 94 | 0 | 94 | 261360 | 0.03597 | 0.00067 |
| 468 | 348 | 0 | 348 | 200731 | 0.17337 | 0.00247 |
| 471 | 415 | 0 | 415 | 921894 | 0.04502 | 0.00294 |
| 473 | 25 | 0 | 25 | 8263 | 0.30255 | 0.00018 |
| 474 | 45 | 0 | 45 | 1478226 | 0.00304 | 0.00032 |
| 512 | 4231 | 0 | 4231 | 1424879 | 0.29694 | 0.02998 |
| 4054 | 1318 | 0 | 1318 | 2583699 | 0.05101 | 0.00934 |
| 5006 | 237 | 0 | 237 | 303336 | 0.07813 | 0.00168 |
| 5077 | 5 | 0 | 5 | 717001 | 0.00070 | 0.00004 |
| 10003 | 37 | 0 | 37 | 41169 | 0.08987 | 0.00026 |
| 10004 | 1 | 0 | 1 | 13229 | 0.00756 | 0.00001 |

Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
 468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
 471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
 473 - Terra Ceia Aquatic Preserve Continuous Water Quality Monitoring
 474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
 512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
 5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
 10003 - Tomoka Marsh Aquatic Preserve Continuous Water Quality Monitoring
 10004 - Florida Keys Aquatic Preserves Continuous Water Quality Monitoring