

# Water Column Indicator Quantile Report

## SEACAR Analysis

Last compiled on 29 January, 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**

### Potential Included Indicators and Parameters:

#### **Nekton**

*Indicator:* Nekton

- Standard Length
- Presence/Absence
- Count

#### **Discrete**

*Indicator:* Nutrients

- Ammonia- Un-ionized (NH<sub>3</sub>)
- NH<sub>4</sub> Filtered
- Nitrate (N)
- Nitrite (N)
- Nitrogen, organic
- NO<sub>2</sub>+3 Filtered
- PO<sub>4</sub> Filtered
- Total Kjeldahl Nitrogen TKN
- Total Nitrogen (All)
- Total Nitrogen (No calc)
- Total Phosphorus

*Indicator:* Water Clarity

- Chlorophyll a corrected for pheophytin
- Chlorophyll a uncorrected for pheophytin
- Colored dissolved organic matter, CDOM
- Light Extinction Coefficient
- Secchi Depth
- Total Suspended Solids, TSS
- Turbidity

*Indicator:* Water Quality

- Dissolved Oxygen
- Dissolved Oxygen Saturation
- pH
- Salinity
- Specific Conductivity

- Water Temperature

### **Continuous**

*Indicator: Water Quality*

- Dissolved Oxygen
- Dissolved Oxygen Saturation
- pH
- Salinity
- Water Temperature

*Indicator: Water Clarity*

- Turbidity

The data files used for the analysis:

### **Nekton**

#### **Discrete**

*Indicator: Nutrients*

- Combined\_WQ\_WC\_NUT\_Ammonia\_Un-ionized\_NH3-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_NH4\_Filtered-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Nitrate\_N-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Nitrite\_N-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Nitrogen\_organic-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_NO2\_3\_Filtered-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_PO4\_Filtered-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Total\_Kjeldahl\_Nitrogen\_TKN-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Total\_Nitrogen-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Total\_Phosphorus-2024-Jan-10.txt

*Indicator: Water Clarity*

- Combined\_WQ\_WC\_NUT\_Chlorophyll\_a\_corrected\_for\_pheophytin-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Chlorophyll\_a\_uncorrected\_for\_pheophytin-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Colored\_dissolved\_organic\_matter\_CDOM-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Light\_Exinction\_Coefficient-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Secchi\_Depth-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Total\_Suspended\_Solids\_TSS-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Turbidity-2024-Jan-10.txt

*Indicator: Water Quality*

- Combined\_WQ\_WC\_NUT\_Dissolved\_Oxygen-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Dissolved\_Oxygen\_Saturation-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_pH-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Salinity-2024-Jan-10.txt

- Combined\_WQ\_WC\_NUT\_Specific\_Conductivity-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_Water\_Temperature-2024-Jan-10.txt

### **Continuous**

Indicator: *Water Quality*

- Combined\_WQ\_WC\_NUT\_cont\_Dissolved\_Oxygen\_*AllRegions*-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_cont\_Dissolved\_Oxygen\_Saturation\_*AllRegions*-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_cont\_pH\_*AllRegions*-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_cont\_Salinity\_*AllRegions*-2024-Jan-10.txt
- Combined\_WQ\_WC\_NUT\_cont\_Water\_Temperature\_*AllRegions*-2024-Jan-10.txt

Indicator: *Water Clarity*

- Combined\_WQ\_WC\_NUT\_cont\_Turbidity\_*AllRegions*-2024-Jan-10.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.

*%\_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

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Count	1	2047.02	26.40	200798	0	201	0.10
Presence/Absence	0	1.00	0.43	467394	0	0	0.00
Standard Length	1	79.00	13.57	2042542	1423	1990	0.17

### Discrete

*Indicator*: **Nutrients**

Table 2: Indicator Quantile Overview

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Ammonia- Un-ionized (NH3)	0.00	0.48	0.03	523	1	1	0.38
NH4 Filtered	-0.03	5.73	0.09	120186	121	121	0.20
NO2+3 Filtered	0.00	3.24	0.05	132587	133	133	0.20
Nitrate (N)	0.00	0.79	0.02	19483	0	20	0.10
Nitrite (N)	0.00	0.07	0.00	28871	0	28	0.10
Nitrogen, organic	0.03	2.70	0.57	7121	6	7	0.18
PO4 Filtered	-0.01	0.77	0.04	57462	53	58	0.19
Total Kjeldahl Nitrogen TKN	0.00	5.22	5.70	90749	23	91	0.13
Total Nitrogen (All)	0.00	4.25	0.49	124070	120	125	0.20
Total Nitrogen (No calc)	0.00	2.66	0.35	79388	50	80	0.16
Total Phosphorus	0.00	0.74	0.18	133960	102	134	0.18

*Indicator*: **Water Clarity**

Table 3: Indicator Quantile Overview

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Chlorophyll a corrected for pheophytin	0	112.00	6.27	41240	26	41	0.16
Chlorophyll a uncorrected for pheophytin	0	119.61	17.63	77234	26	78	0.13

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Colored dissolved organic matter, CDOM	0	718.17	26.09	21184	0	22	0.10
Light Extinction Coefficient	0	7.94	0.56	15547	13	16	0.19
Secchi Depth	0	15.20	1.32	279196	0	274	0.10
Total Suspended Solids, TSS	0	185.78	14.36	69129	20	70	0.13
Turbidity	0	127.00	5.10	287544	67	287	0.12

*Indicator:* **Water Quality**

Table 4: Indicator Quantile Overview

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Dissolved Oxygen	0.22	14.30	6.52	758329	734	755	0.20
Dissolved Oxygen Saturation	0.31	177.32	73.44	137947	138	138	0.20
Salinity	0.00	41.10	24.69	758020	2	741	0.10
Specific Conductivity	0.00	60.70	14.59	389724	0	390	0.10
Water Temperature	2.08	33.89	24.29	809837	804	808	0.20
pH	0.79	9.31	7.92	594250	478	594	0.18

## Continuous

*Indicator:* **Water Quality**

Table 5: Indicator Quantile Overview

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Dissolved Oxygen	0.1	13.4	6.11	12826259	4589	12494	0.13
Dissolved Oxygen Saturation	1.7	170.1	82.31	12910505	12476	12875	0.20
Salinity	0.0	41.2	29.56	14248905	6041	13870	0.14
Water Temperature	7.9	33.8	25.59	36073434	35477	31375	0.19
pH	5.0	9.0	7.80	13402868	12258	12987	0.19

*Indicator:* **Water Clarity**

Table 6: Indicator Quantile Overview

Parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Turbidity	-1	533	11.48	12796786	12548	12783	0.2



## Nekton

## Low Quantile

Indicator: Nekton

Standard Length

Table 7: Flagged Values - Low Indicator Quantile: **NA**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
69684	69	ANM2005070209	2005-07-14	0.9
54355	69	APM1998071401	1998-07-14	0.8
93060	69	APM1999101203	1999-10-12	0.7
57939	69	APM2000091204	2000-09-12	0.9
96981	69	APM2000121205	2000-12-12	0.9
71840	69	APM2001010701	2001-01-11	0.9
102270	69	APM2001010701	2001-01-11	0.7
66969	69	APM2001010702	2001-01-11	0.9
80818	69	APM2001010703	2001-01-11	0.9
14872	69	APM2001010706	2001-01-11	0.7
40689	69	APM2001010706	2001-01-11	0.9
102858	69	APM2001010706	2001-01-11	0.9
99351	69	APM2001020503	2001-02-07	0.7
133546	69	APM2001060707	2001-06-15	0.8
88343	69	APM2001071008	2001-07-23	0.9
27524	69	APM2001090406	2001-09-10	0.9
64251	69	APM2001090408	2001-09-10	0.9
150581	69	APM2002010307	2002-01-08	0.9
18156	69	APM2002010406	2002-01-09	0.8
18494	69	APM2002010406	2002-01-09	0.9
78767	69	APM2002010406	2002-01-09	0.9
16373	69	APM2002010407	2002-01-09	0.9
28643	69	APM2002010408	2002-01-09	0.9
93984	69	APM2002030207	2002-03-07	0.9
26610	69	APM2002070205	2002-07-09	0.6
71910	69	APM2002070205	2002-07-09	0.9
528382	69	APM2002070205	2002-07-09	0.7
222215	69	APM2002080705	2002-08-14	0.9
101618	69	APM2002090306	2002-09-09	0.9
403253	69	APM2002090307	2002-09-09	0.9
269764	69	APM2002091101	2002-09-30	0.9
269011	69	APM2002120507	2002-12-11	0.9
276059	69	APM2002120507	2002-12-11	0.8
82502	69	APM2002120508	2002-12-11	0.9
107053	69	APM2003010602	2003-01-14	0.9
277385	69	APM2003011004	2003-01-22	0.9
38621	69	APM2003020801	2003-02-13	0.7
69532	69	APM2003030201	2003-03-10	0.9
61174	69	APM2003030606	2003-03-14	0.6
223179	69	APM2003030705	2003-03-18	0.9
137558	69	APM2003060401	2003-06-10	0.5
40226	69	APM2003060903	2003-06-24	0.7
68940	69	APM2003060903	2003-06-24	0.8
1919187	69	APM2003080607	2003-08-14	0.9
94086	69	APM2003091006	2003-09-24	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
94512	69	APM2003091008	2003-09-24	0.9
522998	69	APM2003091107	2003-09-25	0.9
261964	69	APM2003100203	2003-10-03	0.9
61291	69	APM2003110202	2003-11-04	0.8
98958	69	APM2003110202	2003-11-04	0.9
39267	69	APM2003110208	2003-11-04	0.8
154869	69	APM2003110208	2003-11-04	0.9
82713	69	APM2004010304	2004-01-08	0.9
99956	69	APM2004010305	2004-01-08	0.9
543265	69	APM2004010305	2004-01-08	0.8
102784	69	APM2004010404	2004-01-09	0.9
16989	69	APM2004051101	2004-05-20	0.8
47134	69	APM2004051101	2004-05-20	0.9
131279	69	APM2004051101	2004-05-20	0.9
487460	69	APM2004051101	2004-05-20	0.7
491592	69	APM2004051101	2004-05-20	0.9
499044	69	APM2004051101	2004-05-20	0.7
504979	69	APM2004051101	2004-05-20	0.8
54507	69	APM2004060401	2004-06-07	0.9
83053	69	APM2004060401	2004-06-07	0.9
128721	69	APM2004060401	2004-06-07	0.7
174014	69	APM2004060401	2004-06-07	0.8
491685	69	APM2004060401	2004-06-07	0.8
500382	69	APM2004060401	2004-06-07	0.9
114819	69	APM2004060901	2004-06-11	0.9
88714	69	APM2004070906	2004-07-19	0.9
97667	69	APM2004071406	2004-07-29	0.9
84869	69	APM2004071408	2004-07-29	0.9
232240	69	APM2004073401	2004-07-20	0.9
66257	69	APM2004080701	2004-08-20	0.8
78608	69	APM2004080701	2004-08-20	0.7
84055	69	APM2004080701	2004-08-20	0.9
229607	69	APM2004081104	2004-08-26	0.9
133099	69	APM2004090504	2004-09-14	0.9
111301	69	APM2004091005	2004-09-24	0.9
87222	69	APM2004110106	2004-11-01	0.9
244685	69	APM2004110106	2004-11-01	0.8
246423	69	APM2004110106	2004-11-01	0.7
3724	69	APM2004110203	2004-11-03	0.9
113993	69	APM2004110203	2004-11-03	0.8
710471	69	APM2004110204	2004-11-03	0.9
87715	69	APM2004110509	2004-11-15	0.9
37963	69	APM2004120402	2004-12-08	0.9
118785	69	APM2004120402	2004-12-08	0.9
11544	69	APM2004120801	2004-12-16	0.9
156601	69	APM2004120801	2004-12-16	0.9
139448	69	APM2005050303	2005-05-09	0.9
124011	69	APM2005060103	2005-06-02	0.8
136365	69	APM2005060302	2005-06-07	0.8
107989	69	APM2005070401	2005-07-15	0.5
102852	69	APM2005080401	2005-08-09	0.9
1027563	69	APM2005080501	2005-08-10	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
17034	69	APM2005080503	2005-08-10	0.9
67433	69	APM2005090101	2005-09-01	0.9
126381	69	APM2005090101	2005-09-01	0.6
213414	69	APM2005090101	2005-09-01	0.6
271056	69	APM2005090101	2005-09-01	0.5
251621	69	APM2005090501	2005-09-07	0.9
127390	69	APM2005110208	2005-11-02	0.8
1063412	69	APM2005120305	2005-12-02	0.9
142157	69	APM2006010305	2006-01-09	0.8
107467	69	APM2006061105	2006-06-20	0.9
154768	69	APM2006071101	2006-07-27	0.9
125305	69	APM2006071102	2006-07-27	0.9
1106097	69	APM2006080505	2006-08-11	0.6
161641	69	APM2006080507	2006-08-11	0.8
210189	69	APM2006080507	2006-08-11	0.9
276342	69	APM2006080701	2006-08-17	0.9
118125	69	APM2006080702	2006-08-17	0.9
156279	69	APM2006080708	2006-08-17	0.9
162609	69	APM2006080708	2006-08-17	0.7
111606	69	APM2006080904	2006-08-21	0.8
112812	69	APM2006080904	2006-08-21	0.9
139141	69	APM2006080904	2006-08-21	0.9
169091	69	APM2006080904	2006-08-21	0.9
174604	69	APM2006080904	2006-08-21	0.9
164960	69	APM2006081203	2006-08-30	0.9
189808	69	APM2006081301	2006-08-31	0.9
1197936	69	APM2006081301	2006-08-31	0.9
198421	69	APM2006090201	2006-09-06	0.8
116867	69	APM2006090605	2006-09-14	0.8
134993	69	APM2006090704	2006-09-15	0.9
174850	69	APM2006100201	2006-10-04	0.8
180419	69	APM2006100506	2006-10-10	0.9
121913	69	APM2006110503	2006-11-09	0.9
158893	69	APM2006110504	2006-11-09	0.9
180232	69	APM2006110504	2006-11-09	0.8
150359	69	APM2006110906	2006-11-20	0.7
1282426	69	APM2006110906	2006-11-20	0.8
188933	69	APM2006120810	2006-12-12	0.9
1290413	69	APM2007020407	2007-02-12	0.9
185737	69	APM2007040507	2007-04-06	0.9
152853	69	APM2007060603	2007-06-12	0.9
189297	69	APM2007060603	2007-06-12	0.9
213537	69	APM2007060603	2007-06-12	0.8
247281	69	APM2007060603	2007-06-12	0.8
1422089	69	APM2007060604	2007-06-12	0.8
54137	69	APM2007070401	2007-07-09	0.9
124483	69	APM2007070602	2007-07-12	0.8
174189	69	APM2007070602	2007-07-12	0.9
167823	69	APM2007070802	2007-07-17	0.7
180344	69	APM2007070809	2007-07-17	0.8
1435643	69	APM2007070809	2007-07-17	0.9
106433	69	APM2007070901	2007-07-18	0.6

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1433731	69	APM2007070901	2007-07-18	0.9
127697	69	APM2007070902	2007-07-18	0.9
148998	69	APM2007080208	2007-08-03	0.9
1463749	69	APM2007080209	2007-08-03	0.9
1465798	69	APM2007080209	2007-08-03	0.8
150026	69	APM2007080210	2007-08-03	0.9
109968	69	APM2007080902	2007-08-15	0.9
191151	69	APM2007080902	2007-08-15	0.8
154429	69	APM2007080905	2007-08-15	0.8
195803	69	APM2007080905	2007-08-15	0.9
87225	69	APM2007080907	2007-08-15	0.8
158094	69	APM2007080908	2007-08-15	0.9
170657	69	APM2007090401	2007-09-10	0.9
166486	69	APM2007090402	2007-09-10	0.8
207691	69	APM2007090503	2007-09-11	0.7
70494	69	APM2007090505	2007-09-11	0.9
197416	69	APM2007090505	2007-09-11	0.9
151008	69	APM2007100501	2007-10-10	0.9
1548594	69	APM2007100704	2007-10-16	0.9
160854	69	APM2007110701	2007-11-15	0.7
142441	69	APM2007110704	2007-11-15	0.9
154482	69	APM2007111106	2007-11-28	0.9
218108	69	APM2007111106	2007-11-28	0.8
178909	69	APM2007111108	2007-11-28	0.9
237968	69	APM2007111108	2007-11-28	0.7
264719	69	APM2007111108	2007-11-28	0.8
1519517	69	APM2007120201	2007-12-04	0.9
1469163	69	APM2007120709	2007-12-11	0.9
170797	69	APM2007121003	2007-12-18	0.9
194436	69	APM2008010901	2008-01-22	0.9
195524	69	APM2008020502	2008-02-11	0.9
158885	69	APM2008030304	2008-03-06	0.8
245773	69	APM2008030304	2008-03-06	0.9
164264	69	APM2008050807	2008-05-19	0.9
259133	69	APM2008051304	2008-05-28	0.9
221447	69	APM2008071004	2008-07-22	0.8
189209	69	APM2008080210	2008-08-06	0.9
214902	69	APM2008080607	2008-08-14	0.8
178457	69	APM2008080609	2008-08-14	0.9
172836	69	APM2008081003	2008-08-20	0.8
319399	69	APM2008081003	2008-08-20	0.7
175327	69	APM2008081004	2008-08-20	0.8
242668	69	APM2008081106	2008-08-21	0.9
240489	69	APM2008081307	2008-08-28	0.9
379646	69	APM2008081307	2008-08-28	0.9
249023	69	APM2008090701	2008-09-10	0.9
183843	69	APM2008091002	2008-09-17	0.7
253032	69	APM2008101004	2008-10-17	0.9
258029	69	APM2008101004	2008-10-17	0.8
1623836	69	APM2008101004	2008-10-17	0.9
111898	69	APM2008101006	2008-10-17	0.9
185945	69	APM2008101006	2008-10-17	0.7

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246611	69	APM2008110301	2008-11-04	0.7
350101	69	APM2008110301	2008-11-04	0.9
120315	69	APM2008110304	2008-11-04	0.7
133937	69	APM2008110304	2008-11-04	0.9
202010	69	APM2008110306	2008-11-04	0.9
253977	69	APM2008110306	2008-11-04	0.8
172040	69	APM2008110307	2008-11-04	0.9
354364	69	APM2008110307	2008-11-04	0.8
137799	69	APM2008120802	2008-12-16	0.9
253433	69	APM2008120802	2008-12-16	0.8
205841	69	APM2008120803	2008-12-16	0.7
250400	69	APM2008120803	2008-12-16	0.9
344945	69	APM2008120805	2008-12-16	0.9
245998	69	APM2008120806	2008-12-16	0.9
305217	69	APM2009010705	2009-01-15	0.8
357577	69	APM2009010707	2009-01-15	0.9
211715	69	APM2009010708	2009-01-15	0.7
261287	69	APM2009020604	2009-02-12	0.9
249979	69	APM2009020904	2009-02-24	0.9
1670656	69	APM2009030403	2009-03-10	0.9
415294	69	APM2009040604	2009-04-15	0.9
237514	69	APM2009050205	2009-05-06	0.9
1732616	69	APM2009050507	2009-05-14	0.9
315242	69	APM2009050802	2009-05-21	0.8
166061	69	APM2009051105	2009-05-27	0.9
1745535	69	APM2009060102	2009-06-01	0.8
118177	69	APM2009060601	2009-06-11	0.9
255581	69	APM2009061102	2009-06-24	0.9
138422	69	APM2009061203	2009-06-25	0.9
260290	69	APM2009070701	2009-07-16	0.9
468078	69	APM2009070701	2009-07-16	0.9
1771787	69	APM2009070702	2009-07-16	0.9
109353	69	APM2009070703	2009-07-16	0.9
325814	69	APM2009071004	2009-07-28	0.9
356883	69	APM2009071005	2009-07-28	0.9
118630	69	APM2009071103	2009-07-29	0.5
312891	69	APM2009071103	2009-07-29	0.8
1789450	69	APM2009071103	2009-07-29	0.9
195837	69	APM2009080901	2009-08-20	0.9
197550	69	APM2009090502	2009-09-16	0.9
464436	69	APM2009090610	2009-09-21	0.9
217924	69	APM2009090703	2009-09-22	0.9
243070	69	APM2009090907	2009-09-24	0.9
383647	69	APM2009090907	2009-09-24	0.8
297469	69	APM2009100808	2009-10-14	0.9
399060	69	APM2009100808	2009-10-14	0.8
225254	69	APM2009110401	2009-11-06	0.9
308550	69	APM2009110404	2009-11-06	0.9
411897	69	APM2009110404	2009-11-06	0.8
420486	69	APM2009110709	2009-11-17	0.9

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213300	69	APM2009110807	2009-11-18	0.9
356518	69	APM2009110807	2009-11-18	0.8
195886	69	APM2009120503	2009-12-09	0.9
451295	69	APM2009120503	2009-12-09	0.8
158216	69	APM2009120504	2009-12-09	0.9
210602	69	APM2009120601	2009-12-14	0.8
222331	69	APM2009120601	2009-12-14	0.9
239492	69	APM2009120601	2009-12-14	0.7
270404	69	APM2009120602	2009-12-14	0.9
200148	69	APM2010010303	2010-01-11	0.9
238934	69	APM2010010303	2010-01-11	0.5
240361	69	APM2010010303	2010-01-11	0.6
241002	69	APM2010010303	2010-01-11	0.9
256057	69	APM2010010303	2010-01-11	0.8
1897226	69	APM2010010303	2010-01-11	0.7
1900186	69	APM2010010303	2010-01-11	0.8
279018	69	APM2010010304	2010-01-11	0.9
208482	69	APM2010010601	2010-01-19	0.7
472461	69	APM2010010601	2010-01-19	0.9
184558	69	APM2010010602	2010-01-19	0.9
209117	69	APM2010010602	2010-01-19	0.8
207283	69	APM2010010603	2010-01-19	0.9
1869067	69	APM2010010603	2010-01-19	0.8
188797	69	APM2010010605	2010-01-19	0.9
253182	69	APM2010010605	2010-01-19	0.8
218306	69	APM2010010606	2010-01-19	0.9
220225	69	APM2010030405	2010-03-05	0.9
113153	69	APM2010030608	2010-03-09	0.9
1864447	69	APM2010030801	2010-03-19	0.9
168079	69	APM2010051004	2010-05-18	0.9
244000	69	APM2010051205	2010-05-20	0.6
318038	69	APM2010051205	2010-05-20	0.9
237287	69	APM2010070702	2010-07-14	0.9
178861	69	APM2010071507	2010-07-27	0.9
360145	69	APM2010071509	2010-07-27	0.9
225906	69	APM2010080505	2010-08-13	0.6
298855	69	APM2010100605	2010-10-11	0.9
420819	69	APM2010100608	2010-10-11	0.8
339319	69	APM2010101202	2010-10-27	0.8
231872	69	APM2010110206	2010-11-02	0.9
250783	69	APM2010110206	2010-11-02	0.9
276421	69	APM2010110206	2010-11-02	0.7
393841	69	APM2010120809	2010-12-15	0.9
2388218	69	APM2010120809	2010-12-15	0.9
349509	69	APM2011030710	2011-03-16	0.8
2397868	69	APM2011040504	2011-04-08	0.9
2407748	69	APM2011060602	2011-06-10	0.9
190758	69	APM2011060905	2011-06-17	0.6
334323	69	APM2011080801	2011-08-15	0.7
310870	69	APM2011080808	2011-08-15	0.9

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194736	69	APM2011090703	2011-09-15	0.9
408173	69	APM2011100505	2011-10-12	0.9
534864	69	APM2011100505	2011-10-12	0.8
2333568	69	APM2011110106	2011-11-01	0.7
2380529	69	APM2011110208	2011-11-02	0.8
344854	69	APM2011120608	2011-12-08	0.7
367145	69	APM2011120608	2011-12-08	0.9
393140	69	APM2012010204	2012-01-05	0.9
361031	69	APM2012010205	2012-01-05	0.9
366689	69	APM2012010607	2012-01-17	0.8
408342	69	APM2012010607	2012-01-17	0.7
2423548	69	APM2012010607	2012-01-17	0.8
251995	69	APM2012020204	2012-02-02	0.8
549703	69	APM2012020204	2012-02-02	0.9
294509	69	APM2012040203	2012-04-03	0.9
298436	69	APM2012040203	2012-04-03	0.8
2105860	69	APM2012040203	2012-04-03	0.7
438234	69	APM2012040207	2012-04-03	0.9
545121	69	APM2012040207	2012-04-03	0.8
546471	69	APM2012050108	2012-05-01	0.7
559443	69	APM2012050209	2012-05-02	0.9
232958	69	APM2012050304	2012-05-03	0.9
504204	69	APM2012050901	2012-05-18	0.9
234381	69	APM2012060602	2012-06-12	0.7
235458	69	APM2012060602	2012-06-12	0.8
241339	69	APM2012060602	2012-06-12	0.9
292494	69	APM2012060602	2012-06-12	0.9
346537	69	APM2012060602	2012-06-12	0.6
2097350	69	APM2012060602	2012-06-12	0.9
527022	69	APM2012060901	2012-06-14	0.8
234494	69	APM2012060905	2012-06-14	0.6
527197	69	APM2012070902	2012-07-23	0.8
252462	69	APM2012071301	2012-07-27	0.8
365844	69	APM2012071301	2012-07-27	0.9
252005	69	APM2012071401	2012-07-31	0.8
216462	69	APM2012080104	2012-08-02	0.9
408439	69	APM2012081202	2012-08-24	0.8
529824	69	APM2012090605	2012-09-14	0.9
401995	69	APM2012100709	2012-10-16	0.8
309165	69	APM2012110608	2012-11-07	0.9
2492500	69	APM2012110608	2012-11-07	0.7
298168	69	APM2012110903	2012-11-15	0.9
319010	69	APM2012110903	2012-11-15	0.5
409199	69	APM2012110903	2012-11-15	0.7
449564	69	APM2012110903	2012-11-15	0.8
2286824	69	APM2012111003	2012-11-16	0.9
2297117	69	APM2013010601	2013-01-14	0.9
326051	69	APM2013010705	2013-01-15	0.9
236492	69	APM2013030701	2013-03-15	0.9
2297773	69	APM2013040401	2013-04-08	0.9
573905	69	APM2013040402	2013-04-08	0.8



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360835	69	APM2013090501	2013-09-12	0.9
2640882	69	APM2013090501	2013-09-12	0.8
196873	69	APM2013090502	2013-09-12	0.7
411454	69	APM2013090704	2013-09-13	0.8
429215	69	APM2013100403	2013-10-03	0.9
192783	69	APM2013100502	2013-10-03	0.9
594356	69	APM2013100502	2013-10-03	0.8
2646376	69	APM2013100502	2013-10-03	0.7
2646390	69	APM2013100503	2013-10-03	0.9
220422	69	APM2013110304	2013-11-05	0.9
333972	69	APM2013110606	2013-11-12	0.9
431468	69	APM2013120103	2013-12-02	0.9
254417	69	APM2013120106	2013-12-02	0.8
280541	69	APM2013120106	2013-12-02	0.7
429400	69	APM2013120106	2013-12-02	0.9
2649305	69	APM2013120106	2013-12-02	0.9
288107	69	APM2013120407	2013-12-05	0.9
444470	69	APM2013120407	2013-12-05	0.8
400597	69	APM2013120808	2013-12-11	0.8
324313	69	APM2014020805	2014-02-14	0.9
466671	69	APM2014061101	2014-06-24	0.9
2668978	69	APM2014061101	2014-06-24	0.8
481909	69	APM2014061308	2014-06-26	0.9
504117	69	APM2014061308	2014-06-26	0.8
2672500	69	APM2014070801	2014-07-11	0.8
429520	69	APM2014071505	2014-07-24	0.7
413243	69	APM2014071604	2014-07-28	0.8
440039	69	APM2014071604	2014-07-28	0.9
2675605	69	APM2014080702	2014-08-11	0.8
377694	69	APM2014081403	2014-08-28	0.9
420519	69	APM2014090302	2014-09-04	0.8
2673630	69	APM2014090403	2014-09-05	0.8
346166	69	APM2014090507	2014-09-10	0.8
316620	69	APM2014091005	2014-09-17	0.9
318298	69	APM2014100204	2014-10-02	0.9
258251	69	APM2014100303	2014-10-03	0.7
321303	69	APM2014100303	2014-10-03	0.9
332078	69	APM2014100303	2014-10-03	0.8
434361	69	APM2014100303	2014-10-03	0.9
436867	69	APM2014100303	2014-10-03	0.9
479568	69	APM2014100303	2014-10-03	0.8
496241	69	APM2014100303	2014-10-03	0.8
501176	69	APM2014100303	2014-10-03	0.9
299627	69	APM2014100803	2014-10-15	0.9
300993	69	APM2014101104	2014-10-23	0.8
440606	69	APM2014101104	2014-10-23	0.9
591659	69	APM2014101104	2014-10-23	0.7
275237	69	APM2014120705	2014-12-11	0.9
271832	69	APM2015050405	2015-05-06	0.9
271526	69	APM2015050505	2015-05-07	0.8

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312231	69	APM2015050505	2015-05-07	0.9
331931	69	APM2015050505	2015-05-07	0.9
460756	69	APM2015050505	2015-05-07	0.7
500386	69	APM2015060106	2015-06-01	0.9
301120	69	APM2015070203	2015-07-02	0.8
262621	69	APM2015070204	2015-07-02	0.6
427264	69	APM2015070204	2015-07-02	0.8
333605	69	APM2015090601	2015-09-09	0.9
247054	69	APM2015090605	2015-09-09	0.7
284116	69	APM2015090605	2015-09-09	0.9
2710218	69	APM2015090605	2015-09-09	0.7
2726404	69	APM2015090608	2015-09-09	0.8
249709	69	APM2015090906	2015-09-16	0.9
2879095	69	APM2015090906	2015-09-16	0.7
2882235	69	APM2015090906	2015-09-16	0.8
297680	69	APM2015091010	2015-09-17	0.9
491860	69	APM2015091010	2015-09-17	0.8
279591	69	APM2015110101	2015-11-02	0.9
252632	69	APM2015120306	2015-12-07	0.8
2928634	69	APM2015120402	2015-12-08	0.9
358071	69	APM2016010505	2016-01-13	0.8
226822	69	APM2016020202	2016-02-01	0.8
291199	69	APM2016020202	2016-02-01	0.9
257763	69	APM2016020203	2016-02-01	0.6
277050	69	APM2016020203	2016-02-01	0.7
402367	69	APM2016020203	2016-02-01	0.8
438954	69	APM2016020203	2016-02-01	0.9
256689	69	APM2016020204	2016-02-01	0.7
439561	69	APM2016020204	2016-02-01	0.9
342299	69	APM2016020406	2016-02-02	0.7
253979	69	APM2016040507	2016-04-07	0.9
293644	69	APM2016060804	2016-06-09	0.9
338236	69	APM2016060804	2016-06-09	0.9
340329	69	APM2016060804	2016-06-09	0.7
340864	69	APM2016060804	2016-06-09	0.8
487632	69	APM2016060804	2016-06-09	0.7
491471	69	APM2016060804	2016-06-09	0.8
258622	69	APM2016061103	2016-06-15	0.9
489594	69	APM2016061103	2016-06-15	0.6
489846	69	APM2016061103	2016-06-15	0.8
2932342	69	APM2016061103	2016-06-15	0.7
2929838	69	APM2016071006	2016-07-20	0.7
394397	69	APM2016080103	2016-08-02	0.8
403879	69	APM2016100503	2016-10-10	0.7
441020	69	APM2016100907	2016-10-17	0.9
378390	69	APM2016120205	2016-12-02	0.9
464563	69	APM2016120402	2016-12-06	0.8
2934748	69	APM2016120608	2016-12-08	0.9
293116	69	APM2016120704	2016-12-12	0.8
338677	69	APM2017010306	2017-01-05	0.8
349642	69	APM2017010401	2017-01-06	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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2936120	69	APM2017020110	2017-02-01	0.9
424238	69	APM2017020409	2017-02-02	0.9
390833	69	APM2017030306	2017-03-07	0.8
380116	69	APM2017040107	2017-04-04	0.9
497868	69	APM2017040107	2017-04-04	0.9
2943441	69	APM2017060108	2017-06-01	0.6
316637	69	APM2017060403	2017-06-05	0.9
311673	69	APM2017060405	2017-06-05	0.6
439478	69	APM2017061302	2017-06-23	0.9
615508	69	APM2017071408	2017-07-18	0.7
452195	69	APM2017080304	2017-08-02	0.8
354269	69	APM2017081103	2017-08-14	0.7
382022	69	APM2017081103	2017-08-14	0.8
2956507	69	APM2017081301	2017-08-17	0.8
406739	69	APM2017090503	2017-09-13	0.6
463895	69	APM2017090504	2017-09-13	0.9
421859	69	APM2017090608	2017-09-13	0.9
543595	69	APM2017090704	2017-09-13	0.9
511317	69	APM2017090801	2017-09-14	0.8
489688	69	APM2017100306	2017-10-06	0.9
394260	69	APM2017100905	2017-10-12	0.7
397539	69	APM2017110105	2017-11-01	0.9
402665	69	APM2017110105	2017-11-01	0.7
418191	69	APM2017110105	2017-11-01	0.8
504443	69	APM2017110105	2017-11-01	0.8
2954175	69	APM2017110109	2017-11-01	0.8
1602300	69	APM2018010805	2018-01-16	0.8
1867471	69	APM2018010805	2018-01-16	0.9
1617854	69	APM2018020701	2018-02-14	0.9
3162243	69	APM2018020701	2018-02-14	0.8
1876021	69	APM2018020805	2018-02-14	0.9
1896939	69	APM2018030104	2018-03-05	0.9
1894448	69	APM2018060804	2018-06-07	0.9
1906571	69	APM2018070405	2018-07-05	0.8
1892005	69	APM2018080708	2018-08-13	0.8
1612686	69	APM2018080906	2018-08-17	0.7
2666448	69	APM2018080906	2018-08-17	0.8
1662121	69	APM2018100101	2018-10-01	0.8
1710093	69	APM2018100101	2018-10-01	0.9
1910858	69	APM2018100101	2018-10-01	0.9
2717576	69	APM2018100101	2018-10-01	0.8
2722807	69	APM2018100101	2018-10-01	0.7
3174438	69	APM2018100101	2018-10-01	0.7
1917876	69	APM2018100209	2018-10-02	0.8
1646163	69	APM2018101001	2018-10-23	0.9
2731929	69	APM2018101001	2018-10-23	0.5
1882573	69	APM2018110601	2018-11-07	0.7
2759030	69	APM2018110601	2018-11-07	0.8
1641981	69	APM2018110602	2018-11-07	0.9
1925763	69	APM2018120601	2018-12-11	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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1734551	69	APM2019010201	2019-01-03	0.9
1899993	69	APM2019010202	2019-01-03	0.8
1993580	69	APM2019010202	2019-01-03	0.9
3174226	69	APM2019010202	2019-01-03	0.8
3174976	69	APM2019010202	2019-01-03	0.9
1672188	69	APM2019010203	2019-01-03	0.8
1688224	69	APM2019010203	2019-01-03	0.7
1717085	69	APM2019010203	2019-01-03	0.5
1853660	69	APM2019010203	2019-01-03	0.8
1875185	69	APM2019010203	2019-01-03	0.9
1899183	69	APM2019010203	2019-01-03	0.9
1989383	69	APM2019010203	2019-01-03	0.7
1684649	69	APM2019010502	2019-01-09	0.9
1864279	69	APM2019020207	2019-02-05	0.9
1893191	69	APM2019020207	2019-02-05	0.8
1859975	69	APM2019020804	2019-02-21	0.8
2691243	69	APM2019060507	2019-06-11	0.9
1901655	69	APM2019061004	2019-06-17	0.9
1870875	69	APM2019070304	2019-07-03	0.8
2724980	69	APM2019070304	2019-07-03	0.9
1856871	69	APM2019070406	2019-07-08	0.9
2810420	69	APM2019070805	2019-07-10	0.8
1919654	69	APM2019071003	2019-07-15	0.9
1988912	69	APM2019071207	2019-07-24	0.9
1616569	69	APM2019071208	2019-07-24	0.8
1650724	69	APM2019080301	2019-08-02	0.8
1860489	69	APM2019080409	2019-08-02	0.9
1882978	69	APM2019080504	2019-08-06	0.9
1985372	69	APM2019080601	2019-08-06	0.7
1926369	69	APM2019080705	2019-08-07	0.7
1664329	69	APM2019080802	2019-08-08	0.8
1864346	69	APM2019080802	2019-08-08	0.9
1884939	69	APM2019080802	2019-08-08	0.8
1885346	69	APM2019080802	2019-08-08	0.6
1891233	69	APM2019080802	2019-08-08	0.7
1617197	69	APM2019081402	2019-08-20	0.9
1900804	69	APM2019081402	2019-08-20	0.7
1674489	69	APM2019090201	2019-09-05	0.8
1898068	69	APM2019090201	2019-09-05	0.9
3190142	69	APM2019090201	2019-09-05	0.9
3197855	69	APM2019090203	2019-09-05	0.9
1924942	69	APM2019090403	2019-09-06	0.5
3199901	69	APM2019090403	2019-09-06	0.8
1904484	69	APM2019090506	2019-09-09	0.9
1902258	69	APM2019090703	2019-09-07	0.9
1871943	69	APM2019110101	2019-11-04	0.9
1862413	69	APM2019110701	2019-11-15	0.8
1920095	69	APM2019110701	2019-11-15	0.9
1697853	69	APM2019120202	2019-12-02	0.7
1868808	69	APM2019120202	2019-12-02	0.9

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1930190	69	APM2020010105	2020-01-06	0.9
2605861	69	APM2020010105	2020-01-06	0.8
1747811	69	APM2020010106	2020-01-06	0.9
1724515	69	APM2020010210	2020-01-06	0.9
1913700	69	APM2020010210	2020-01-06	0.8
1916260	69	APM2020010210	2020-01-06	0.7
1928963	69	APM2020010212	2020-01-06	0.9
1735225	69	APM2020010302	2020-01-07	0.7
1918926	69	APM2020010302	2020-01-07	0.9
2608346	69	APM2020040201	2020-04-01	0.9
1903982	69	APM2020060403	2020-06-10	0.9
1909776	69	APM2020070901	2020-07-16	0.9
1913976	69	APM2020070901	2020-07-16	0.7
1873740	69	APM2020090706	2020-09-25	0.9
1857511	69	APM2020100205	2020-10-06	0.9
359284	69	BBM2008080110	2008-08-08	0.9
390354	69	BBM2009050304	2009-05-27	0.7
337152	69	BBM2009070103	2009-07-10	0.9
473998	69	BBM2009070108	2009-07-10	0.9
430093	69	BBM2009070203	2009-07-13	0.8
449355	69	BBM2009100107	2009-10-26	0.8
500756	69	BBM2010050303	2010-05-06	0.8
438631	69	BBM2011050201	2011-05-10	0.3
335821	69	BBM2012060210	2012-06-12	0.9
1928566	69	BBM2013110201	2013-11-07	0.8
1930029	69	BBM2013110201	2013-11-07	0.9
1927982	69	BBM2014060103	2014-06-17	0.9
308799	69	BBM2014060110	2014-06-17	0.9
2786016	69	BBM2014070303	2014-07-18	0.9
465397	69	BBM2014070407	2014-07-22	0.9
500129	69	BBM2015110202	2015-11-16	0.9
1735492	69	BBM2019060102	2019-06-14	0.9
1679461	69	BBM2019060115	2019-06-14	0.9
2258210	69	BBM2019070303	2019-07-23	0.9
2316112	69	BBM2020090106	2020-09-03	0.9
483328	69	CHM1989050906	1989-05-09	0.9
549821	69	CHM1991051307	1991-05-13	0.9
611815	69	CHM1991100101	1991-10-01	0.9
569220	69	CHM1991102110	1991-10-21	0.9
570905	69	CHM1991102110	1991-10-21	0.7
662389	69	CHM1991102110	1991-10-21	0.9
463918	69	CHM1991111203	1991-11-12	0.9
575084	69	CHM1992102405	1992-10-24	0.6
425735	69	CHM1992102605	1992-10-26	0.9
704617	69	CHM1992102701	1992-10-27	0.8
445518	69	CHM1992102704	1992-10-27	0.8
627733	69	CHM1992102706	1992-10-27	0.9
569660	69	CHM1992102707	1992-10-27	0.9
336909	69	CHM1992102709	1992-10-27	0.9
475134	69	CHM1994092614	1994-09-26	0.9

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489305	69	CHM1994100403	1994-10-04	0.9
612475	69	CHM1994100403	1994-10-04	0.7
473816	69	CHM1994100406	1994-10-04	0.6
628969	69	CHM1994100406	1994-10-04	0.8
2846552	69	CHM1994100406	1994-10-04	0.5
298467	69	CHM1994100407	1994-10-04	0.6
475228	69	CHM1994100407	1994-10-04	0.7
581839	69	CHM1994100407	1994-10-04	0.8
606252	69	CHM1994100407	1994-10-04	0.9
2737872	69	CHM1994100407	1994-10-04	0.8
593985	69	CHM1994100408	1994-10-04	0.7
301773	69	CHM1994100409	1994-10-04	0.7
515819	69	CHM1994100409	1994-10-04	0.9
2738798	69	CHM1994100409	1994-10-04	0.9
2845567	69	CHM1994100409	1994-10-04	0.8
333880	69	CHM1994100410	1994-10-04	0.9
595620	69	CHM1994100413	1994-10-04	0.8
622852	69	CHM1994101010	1994-10-10	0.9
347202	69	CHM1995050202	1995-05-02	0.9
418103	69	CHM1995102408	1995-10-24	0.9
608001	69	CHM1996101807	1996-10-18	0.9
550404	69	CHM1997121902	1997-12-19	0.7
555787	69	CHM1998100703	1998-10-07	0.7
559374	69	CHM1998100703	1998-10-07	0.9
491795	69	CHM1999100502	1999-10-05	0.7
505225	69	CHM1999100502	1999-10-05	0.8
520176	69	CHM1999100502	1999-10-05	0.6
547188	69	CHM1999100502	1999-10-05	0.9
1888291	69	CHM1999100502	1999-10-05	0.8
2778754	69	CHM1999100502	1999-10-05	0.9
600287	69	CHM2000100404	2000-10-04	0.9
502270	69	CHM2002074301	2002-07-11	0.9
588118	69	CHM2002100401	2002-10-04	0.9
645102	69	CHM2002100402	2002-10-04	0.9
579663	69	CHM2002100403	2002-10-04	0.9
565586	69	CHM2005051102	2005-05-03	0.7
640269	69	CHM2005070605	2005-07-07	0.9
633221	69	CHM2005070608	2005-07-07	0.7
611639	69	CHM2005081104	2005-08-19	0.9
523456	69	CHM2005091108	2005-09-06	0.8
729693	69	CHM2006071305	2006-07-24	0.7
2940167	69	CHM2006110504	2006-11-09	0.9
661257	69	CHM2007060405	2007-06-13	0.9
696894	69	CHM2009051008	2009-05-07	0.6
617286	69	CHM2010050906	2010-05-13	0.9
2656865	69	CHM2010050906	2010-05-13	0.8
605239	69	CHM2010060211	2010-06-09	0.6
667053	69	CHM2010060211	2010-06-09	0.5
671248	69	CHM2010060211	2010-06-09	0.7
675835	69	CHM2010060211	2010-06-09	0.8
691185	69	CHM2010060211	2010-06-09	0.9

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690758	69	CHM2010100201	2010-10-12	0.9
513059	69	CHM2010100404	2010-10-15	0.6
653232	69	CHM2010100404	2010-10-15	0.8
751673	69	CHM2010100404	2010-10-15	0.9
757296	69	CHM2010100404	2010-10-15	0.9
767936	69	CHM2010100404	2010-10-15	0.9
762407	69	CHM2010100409	2010-10-15	0.9
620630	69	CHM2011041303	2011-04-22	0.9
688385	69	CHM2011041303	2011-04-22	0.8
691114	69	CHM2011041303	2011-04-22	0.6
717776	69	CHM2011041303	2011-04-22	0.7
2127497	69	CHM2011061305	2011-06-24	0.9
708093	69	CHM2011071307	2011-07-01	0.9
608368	69	CHM2011080405	2011-08-08	0.9
575087	69	CHM2012080601	2012-08-13	0.9
638578	69	CHM2012080607	2012-08-13	0.8
777084	69	CHM2012080607	2012-08-13	0.9
732562	69	CHM2012081008	2012-08-22	0.8
781320	69	CHM2012081008	2012-08-22	0.9
794284	69	CHM2012090401	2012-09-20	0.9
815933	69	CHM2012090503	2012-09-18	0.9
653831	69	CHM2012090506	2012-09-18	0.8
3086486	69	CHM2012100805	2012-10-03	0.8
777750	69	CHM2013101505	2013-10-28	0.8
750132	69	CHM2014010406	2014-01-23	0.8
702465	69	CHM2014020701	2014-02-04	0.7
3187744	69	CHM2014020701	2014-02-04	0.8
782116	69	CHM2014070101	2014-07-03	0.7
759857	69	CHM2014100603	2014-10-29	0.9
820401	69	CHM2014100607	2014-10-29	0.7
815979	69	CHM2015070401	2015-07-14	0.7
847498	69	CHM2015070501	2015-07-17	0.7
863739	69	CHM2015110203	2015-11-10	0.9
754922	69	CHM2015110503	2015-11-02	0.8
831634	69	CHM2016050708	2016-05-11	0.8
799549	69	CHM2016080602	2016-08-19	0.7
930498	69	CHM2016080602	2016-08-19	0.8
755042	69	CHM2016090602	2016-09-08	0.5
957352	69	CHM2016090602	2016-09-08	0.9
2199398	69	CHM2016090602	2016-09-08	0.8
723287	69	CHM2016090603	2016-09-08	0.9
948361	69	CHM2016090603	2016-09-08	0.8
670468	69	CHM2016090605	2016-09-08	0.8
910999	69	CHM2016090605	2016-09-08	0.7
897126	69	CHM2016090606	2016-09-08	0.9
916220	69	CHM2016100508	2016-10-10	0.6
2200861	69	CHM2016110803	2016-11-01	0.9
2573713	69	CHM2017070405	2017-07-11	0.9
823632	69	CHM2017080508	2017-08-04	0.6
888619	69	CHM2017080508	2017-08-04	0.5
729374	69	CHM2017101307	2017-10-02	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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1805895	69	CHM2018091202	2018-09-04	0.9
2620564	69	CHM2018120608	2018-12-18	0.9
2828462	69	CHM2018120608	2018-12-18	0.7
1798796	69	CHM2019080704	2019-08-14	0.9
2432659	69	CHM2019100104	2019-10-22	0.9
2275019	69	CHM2019102002	2019-10-08	0.9
2276204	69	CHM2020060401	2020-06-23	0.8
2490910	69	CHM2020060401	2020-06-23	0.7
2491983	69	CHM2020060401	2020-06-23	0.9
2243624	69	CHM2020060407	2020-06-23	0.8
2264371	69	CHM2020060407	2020-06-23	0.9
1807173	69	CHM2020100201	2020-10-27	0.9
1809744	69	CHM2020100201	2020-10-27	0.9
1810974	69	CHM2020100201	2020-10-27	0.8
1825340	69	CHM2020100201	2020-10-27	0.9
1913602	69	CHM2020100201	2020-10-27	0.7
1942357	69	CHM2020100201	2020-10-27	0.8
2719591	69	CHM2020100201	2020-10-27	0.7
1850295	69	CHM2020100406	2020-10-16	0.8
2341039	69	CHM2020100801	2020-10-02	0.7
695816	69	CKM1996061806	1996-06-18	0.9
802181	69	CKM1996061902	1996-06-19	0.9
834189	69	CKM1996071102	1996-07-11	0.9
2713808	69	CKM1996071106	1996-07-11	0.8
774900	69	CKM1996071505	1996-07-15	0.8
932236	69	CKM1996071703	1996-07-17	0.8
840912	69	CKM1996080201	1996-08-02	0.9
776730	69	CKM1996091007	1996-09-10	0.8
2772253	69	CKM1996091007	1996-09-10	0.9
941749	69	CKM1996101104	1996-10-11	0.8
910176	69	CKM1997050512	1997-05-05	0.7
891481	69	CKM1997062302	1997-06-23	0.5
915709	69	CKM1997062305	1997-06-23	0.9
891179	69	CKM2001080601	2001-08-13	0.8
787886	69	CKM2001090902	2001-09-20	0.9
998415	69	CKM2001090903	2001-09-20	0.9
885960	69	CKM2002030105	2002-03-06	0.9
2883900	69	CKM2003020904	2003-02-20	0.8
893032	69	CKM2003070107	2003-07-01	0.9
922372	69	CKM2003090310	2003-09-08	0.9
939401	69	CKM2003090310	2003-09-08	0.7
783713	69	CKM2004050703	2004-05-17	0.8
790063	69	CKM2004050703	2004-05-17	0.7
815626	69	CKM2004050703	2004-05-17	0.9
883224	69	CKM2004050703	2004-05-17	0.7
967267	69	CKM2004050703	2004-05-17	0.6
2937449	69	CKM2004050703	2004-05-17	0.9
2942802	69	CKM2004050703	2004-05-17	0.8
1074992	69	CKM2004050905	2004-05-25	0.8
1021848	69	CKM2004060303	2004-06-08	0.9
920871	69	CKM2005050403	2005-05-09	0.7



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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2974809	69	CKM2005060702	2005-06-14	0.5
797144	69	CKM2005060703	2005-06-14	0.9
2976462	69	CKM2005060703	2005-06-14	0.9
948122	69	CKM2005080404	2005-08-08	0.8
752745	69	CKM2005090403	2005-09-07	0.8
819876	69	CKM2005090403	2005-09-07	0.9
1050766	69	CKM2005090403	2005-09-07	0.7
1152415	69	CKM2005110409	2005-11-03	0.8
901092	69	CKM2006060604	2006-06-16	0.9
927477	69	CKM2006070501	2006-07-06	0.9
983632	69	CKM2006080406	2006-08-04	0.7
990174	69	CKM2006080408	2006-08-04	0.9
1143978	69	CKM2006080803	2006-08-16	0.8
924827	69	CKM2006110208	2006-11-02	0.9
3014143	69	CKM2007060704	2007-06-14	0.9
910716	69	CKM2007080702	2007-08-14	0.8
915168	69	CKM2007080702	2007-08-14	0.9
1141264	69	CKM2007090101	2007-09-04	0.9
951591	69	CKM2007090605	2007-09-13	0.8
1038269	69	CKM2007090605	2007-09-13	0.9
978832	69	CKM2007100604	2007-10-11	0.9
830172	69	CKM2007120607	2007-12-12	0.9
901168	69	CKM2008080205	2008-08-04	0.9
905067	69	CKM2008080205	2008-08-04	0.9
923821	69	CKM2008080205	2008-08-04	0.9
927534	69	CKM2008080402	2008-08-05	0.9
1046561	69	CKM2009080408	2009-08-06	0.9
3031711	69	CKM2009080409	2009-08-06	0.9
990839	69	CKM2009080601	2009-08-17	0.8
872159	69	CKM2009080603	2009-08-17	0.6
1021195	69	CKM2009080603	2009-08-17	0.9
1048667	69	CKM2009080603	2009-08-17	0.7
3028500	69	CKM2009080603	2009-08-17	0.8
1045574	69	CKM2009080702	2009-08-18	0.8
3033610	69	CKM2009080702	2009-08-18	0.9
1034513	69	CKM2009110106	2009-11-02	0.6
1042677	69	CKM2010050306	2010-05-11	0.9
1148317	69	CKM2010070702	2010-07-14	0.9
806223	69	CKM2010070704	2010-07-14	0.7
843334	69	CKM2010070704	2010-07-14	0.9
932256	69	CKM2010070704	2010-07-14	0.4
1137573	69	CKM2010070704	2010-07-14	0.6
1155781	69	CKM2010070704	2010-07-14	0.5
973596	69	CKM2011050707	2011-05-12	0.7
989553	69	CKM2011060805	2011-06-22	0.9
897594	69	CKM2011090606	2011-09-12	0.9
1010885	69	CKM2011090703	2011-09-09	0.9
3116479	69	CKM2012010502	2012-01-10	0.9
974986	69	CKM2012040603	2012-04-11	0.7
922478	69	CKM2012070802	2012-07-13	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
996370	69	CKM2012070803	2012-07-13	0.8
851883	69	CKM2012080406	2012-08-06	0.9
1125557	69	CKM2013060605	2013-06-18	0.9
1151825	69	CKM2013060605	2013-06-18	0.8
1021859	69	CKM2013060606	2013-06-18	0.9
1139056	69	CKM2013060606	2013-06-18	0.8
1094899	69	CKM2013090301	2013-09-11	0.9
918934	69	CKM2014060304	2014-06-03	0.9
998151	69	CKM2014060304	2014-06-03	0.6
1142870	69	CKM2014060304	2014-06-03	0.7
965125	69	CKM2014080202	2014-08-01	0.7
1032415	69	CKM2014090706	2014-09-12	0.9
2539612	69	CKM2015020605	2015-02-09	0.8
2569479	69	CKM2016080807	2016-08-16	0.9
841712	69	CKM2016090401	2016-09-08	0.8
906564	69	CKM2016090401	2016-09-08	0.6
1045906	69	CKM2016120608	2016-12-09	0.8
1184754	69	CKM2017050805	2017-05-17	0.7
910678	69	CKM2017080702	2017-08-11	0.4
1173273	69	CKM2017080706	2017-08-11	0.9
873917	69	CKM2017080709	2017-08-11	0.9
2556883	69	CKM2018010201	2018-01-09	0.9
2348876	69	CKM2018060505	2018-06-07	0.8
2583494	69	CKM2018090103	2018-09-05	0.7
1798473	69	CKM2018090804	2018-09-12	0.9
2175823	69	CKM2019060803	2019-06-17	0.9
2180051	69	CKM2019060803	2019-06-17	0.8
1890147	69	CKM2019060807	2019-06-17	0.9
2162757	69	CKM2019060807	2019-06-17	0.7
2162773	69	CKM2019060807	2019-06-17	0.8
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2274853	69	CKM2019060807	2019-06-17	0.8
2195063	69	CKM2019070705	2019-07-09	0.9
1852168	69	CKM2019080705	2019-08-08	0.9
1873173	69	CZM2006020107	2006-02-07	0.9
2257924	69	CZM2007070104	2007-07-31	0.9
1172191	69	HIM2010090101	2010-09-16	0.9
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921176	69	IRM1992033015	1992-03-30	0.8
977685	69	IRM1992033015	1992-03-30	0.9
1130055	69	IRM1992033015	1992-03-30	0.7
2682725	69	IRM1994101809	1994-10-18	0.9
951507	69	IRM1995092501	1995-09-25	0.9
1086146	69	IRM1997081804	1997-08-18	0.9
943050	69	IRM1997091710	1997-09-17	0.9
862945	69	IRM1997101603	1997-10-16	0.9
1112150	69	IRM2003020309	2003-02-06	0.9
1057338	69	IRM2003030408	2003-03-11	0.9
2997424	69	IRM2003070201	2003-07-02	0.8
1127955	69	IRM2003070503	2003-07-08	0.8
2993443	69	IRM2004010605	2004-01-20	0.8
2998051	69	IRM2004010605	2004-01-20	0.9

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2993146	69	IRM2004010608	2004-01-20	0.7
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1148963	69	IRM2005010410	2005-01-10	0.9
1281272	69	IRM2005060806	2005-06-15	0.9
1150385	69	IRM2005100402	2005-10-11	0.9
1079865	69	IRM2005100408	2005-10-11	0.8
1117897	69	IRM2005110107	2005-11-01	0.8
1150381	69	IRM2006050504	2006-05-09	0.8
3041472	69	IRM2006070105	2006-07-03	0.9
978607	69	IRM2006090306	2006-09-08	0.8
1105387	69	IRM2006090902	2006-09-22	0.9
1167979	69	IRM2006090902	2006-09-22	0.9
1229501	69	IRM2006110405	2006-11-08	0.9
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1142282	69	IRM2007080908	2007-08-09	0.8
1229932	69	IRM2007101602	2007-10-24	0.7
999288	69	IRM2007101604	2007-10-24	0.9
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2966355	69	IRM2012050104	2012-05-01	0.1
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1132921	69	IRM2013010801	2013-01-23	0.7
1168397	69	IRM2013010801	2013-01-23	0.8
1168758	69	IRM2013010801	2013-01-23	0.6
1186918	69	IRM2013010801	2013-01-23	0.9
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1331157	69	IRM2014051101	2014-05-13	0.9
1357863	69	IRM2014051104	2014-05-13	0.9
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1326657	69	IRM2014080704	2014-08-11	0.9
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1325247	69	IRM2014091302	2014-09-19	0.8
1250079	69	IRM2014101406	2014-10-16	0.9
1123991	69	IRM2015040906	2015-04-14	0.9
1190577	69	IRM2015041402	2015-04-21	0.8
1194641	69	IRM2015041402	2015-04-21	0.9
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1268211	69	IRM2016051302	2016-05-23	0.9
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1378501	69	IRM2016060307	2016-06-03	0.9

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1275014	69	IRM2016091103	2016-09-28	0.9
3184481	69	IRM2016091105	2016-09-28	0.9
1263927	69	IRM2016120707	2016-12-12	0.9
1265303	69	IRM2017010306	2017-01-09	0.8
1269511	69	IRM2017010306	2017-01-09	0.9
1244907	69	IRM2017030405	2017-03-06	0.9
1277037	69	IRM2017030408	2017-03-06	0.9
1184079	69	IRM2017060206	2017-06-02	0.9
1189969	69	IRM2017081101	2017-08-18	0.8
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1326583	69	IRM2017091203	2017-09-25	0.9
1123758	69	IRM2017100108	2017-10-02	0.9
1273521	69	IRM2017100506	2017-10-09	0.9
1867138	69	IRM2018020707	2018-02-21	0.9
2590294	69	IRM2018030202	2018-03-02	0.9
2336780	69	IRM2018030401	2018-03-06	0.9
2344010	69	IRM2018040401	2018-04-06	0.9
1996095	69	IRM2018050802	2018-05-17	0.9
2601730	69	IRM2018050802	2018-05-17	0.8
2592562	69	IRM2018051003	2018-05-21	0.9
2241379	69	IRM2018070201	2018-07-03	0.9
2247009	69	IRM2018070503	2018-07-09	0.9
1902480	69	IRM2018080403	2018-08-06	0.9
2627462	69	IRM2018080403	2018-08-06	0.9
2686082	69	IRM2018080403	2018-08-06	0.9
2279245	69	IRM2018091002	2018-09-19	0.9
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1901719	69	IRM2019050403	2019-05-06	0.6
2412982	69	IRM2019050403	2019-05-06	0.8
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2653840	69	IRM2019050403	2019-05-06	0.7
2633725	69	IRM2019060405	2019-06-07	0.9
2371843	69	IRM2019060903	2019-06-19	0.9
2383298	69	IRM2019060903	2019-06-19	0.8
2639459	69	IRM2019060903	2019-06-19	0.9
2390689	69	IRM2019080402	2019-08-06	0.9
2264457	69	IRM2019090901	2019-09-20	0.9
2268752	69	IRM2019101305	2019-10-24	0.9
2397826	69	IRM2020010902	2020-01-17	0.8
2494739	69	IRM2020020607	2020-02-17	0.9
1891201	69	IRM2020080702	2020-08-11	0.9
2535132	69	IRM2020080702	2020-08-11	0.9
2400509	69	IRM2020090905	2020-09-16	0.8
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2593304	69	IRM2020100801	2020-10-14	0.8

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2508213	69	IRM2020120402	2020-12-07	0.9
2513771	69	IRM2020120402	2020-12-07	0.6
2552490	69	IRM2020120402	2020-12-07	0.7
2666147	69	IRM2020120402	2020-12-07	0.9
1044925	69	JXM2002070903	2002-07-24	0.9
1077416	69	JXM2002090404	2002-09-11	0.9
1363181	69	JXM2002090804	2002-09-19	0.8
1238917	69	JXM2002120503	2002-12-16	0.8
1240111	69	JXM2002120503	2002-12-16	0.9
1330172	69	JXM2003030206	2003-03-05	0.9
1254246	69	JXM2003050503	2003-05-13	0.9
1255762	69	JXM2003050601	2003-05-15	0.9
1348936	69	JXM2003050602	2003-05-15	0.8
1381573	69	JXM2003110305	2003-11-12	0.9
1290768	69	JXM2003110308	2003-11-12	0.9
1331083	69	JXM2003110308	2003-11-12	0.8
1355033	69	JXM2004051001	2004-05-26	0.9
1103064	69	JXM2004080904	2004-08-23	0.9
1136264	69	JXM2004090901	2004-09-24	0.9
1202254	69	JXM2004110307	2004-11-04	0.8
1391865	69	JXM2004110307	2004-11-04	0.9
1074129	69	JXM2004110509	2004-11-10	0.8
1224814	69	JXM2004111104	2004-11-23	0.9
1392201	69	JXM2004111104	2004-11-23	0.8
1252936	69	JXM2004120207	2004-12-02	0.8
1330026	69	JXM2004120207	2004-12-02	0.9
1399652	69	JXM2004120208	2004-12-02	0.7
1935434	69	JXM2004120208	2004-12-02	0.8
1935633	69	JXM2004120208	2004-12-02	0.9
1254120	69	JXM2004120209	2004-12-02	0.7
1358320	69	JXM2004120209	2004-12-02	0.6
1359211	69	JXM2004120209	2004-12-02	0.9
1407700	69	JXM2004120209	2004-12-02	0.8
1947922	69	JXM2004120604	2004-12-09	0.9
1396336	69	JXM2005050408	2005-05-11	0.8
1210899	69	JXM2005060708	2005-06-20	0.5
1290721	69	JXM2005070709	2005-07-11	0.9
1264958	69	JXM2005080501	2005-08-08	0.8
1144988	69	JXM2005090404	2005-09-19	0.9
1386532	69	JXM2005090404	2005-09-19	0.9
1290140	69	JXM2005090505	2005-09-09	0.9
1481514	69	JXM2005100309	2005-10-26	0.8
1337374	69	JXM2005110201	2005-11-08	0.8
1305253	69	JXM2005110310	2005-11-09	0.9
1332948	69	JXM2005110310	2005-11-09	0.8
1357785	69	JXM2005120202	2005-12-13	0.7
1300018	69	JXM2006010506	2006-01-06	0.9
1962595	69	JXM2006010508	2006-01-06	0.9
1383915	69	JXM2006050301	2006-05-08	0.9

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1154416	69	JXM2007050409	2007-05-08	0.9
1277257	69	JXM2007090107	2007-09-10	0.7
1127357	69	JXM2007110506	2007-11-13	0.7
1304812	69	JXM2007110506	2007-11-13	0.8
1403982	69	JXM2007110506	2007-11-13	0.9
1325077	69	JXM2008020406	2008-02-21	0.9
1361150	69	JXM2008020406	2008-02-21	0.9
1373330	69	JXM2008030402	2008-03-17	0.9
1077021	69	JXM2008050403	2008-05-08	0.8
1234467	69	JXM2008060305	2008-06-06	0.9
1293497	69	JXM2008080205	2008-08-07	0.9
1965266	69	JXM2008120204	2008-12-08	0.6
1972632	69	JXM2008120204	2008-12-08	0.9
1407023	69	JXM2009010206	2009-01-09	0.9
1476392	69	JXM2009010208	2009-01-09	0.9
1367331	69	JXM2009010305	2009-01-12	0.9
1456309	69	JXM2009010305	2009-01-12	0.9
1076549	69	JXM2009080201	2009-08-24	0.7
1090228	69	JXM2009080201	2009-08-24	0.8
1155041	69	JXM2009080201	2009-08-24	0.7
1372114	69	JXM2009080201	2009-08-24	0.9
1399376	69	JXM2009080201	2009-08-24	0.9
1290888	69	JXM2010020306	2010-02-02	0.9
1299393	69	JXM2010020306	2010-02-02	0.9
1178980	69	JXM2010040407	2010-04-20	0.9
1162254	69	JXM2010050405	2010-05-18	0.9
1164786	69	JXM2010050405	2010-05-18	0.6
1280035	69	JXM2010050405	2010-05-18	0.7
1377841	69	JXM2010050405	2010-05-18	0.9
1437179	69	JXM2010050405	2010-05-18	0.9
2912200	69	JXM2010050405	2010-05-18	0.8
2922179	69	JXM2010050405	2010-05-18	0.6
1282362	69	JXM2010060302	2010-06-02	0.8
1457356	69	JXM2010080408	2010-08-12	0.7
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1155398	69	JXM2010090208	2010-09-09	0.9
1385306	69	JXM2010090403	2010-09-08	0.9
1415781	69	JXM2010100209	2010-10-08	0.9
1204372	69	JXM2010111203	2010-11-23	0.9
1409941	69	JXM2011020202	2011-02-03	0.8
1203489	69	JXM2011020508	2011-02-23	0.8
1339618	69	JXM2011081303	2011-08-19	0.9
1116530	69	JXM2011081305	2011-08-19	0.9
1184714	69	JXM2011081305	2011-08-19	0.8
1350947	69	JXM2011081305	2011-08-19	0.9
2970584	69	JXM2011081305	2011-08-19	0.7
1228892	69	JXM2012010301	2012-01-25	0.9
1342493	69	JXM2012010404	2012-01-05	0.9
1181615	69	JXM2012030304	2012-03-28	0.9

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1343346	69	JXM2012070305	2012-07-23	0.8
1091306	69	JXM2012071301	2012-07-31	0.9
1258317	69	JXM2012071301	2012-07-31	0.7
1500473	69	JXM2012071301	2012-07-31	0.8
3009826	69	JXM2012071301	2012-07-31	0.7
1406444	69	JXM2012091302	2012-09-13	0.8
1410490	69	JXM2012091302	2012-09-13	0.9
1455049	69	JXM2012100409	2012-10-15	0.8
1446941	69	JXM2013020201	2013-02-27	0.8
1326478	69	JXM2013020406	2013-02-22	0.8
1198279	69	JXM2013080306	2013-08-27	0.8
1313202	69	JXM2013080306	2013-08-27	0.9
1449041	69	JXM2013080306	2013-08-27	0.9
1196205	69	JXM2013090503	2013-09-23	0.9
1334744	69	JXM2013110509	2013-11-19	0.9
1518939	69	JXM2013110509	2013-11-19	0.7
1476480	69	JXM2014050408	2014-05-29	0.9
1254329	69	JXM2014070304	2014-07-10	0.6
1254578	69	JXM2014070304	2014-07-10	0.9
1478570	69	JXM2014070304	2014-07-10	0.8
3086773	69	JXM2014100503	2014-10-02	0.7
1352344	69	JXM2015020402	2015-02-09	0.9
1065302	69	JXM2015040406	2015-04-23	0.9
1244853	69	JXM2015040503	2015-04-28	0.9
1308056	69	JXM2015040503	2015-04-28	0.8
1290878	69	JXM2015040506	2015-04-28	0.7
3085277	69	JXM2015040506	2015-04-28	0.9
1323926	69	JXM2015090308	2015-09-22	0.8
1203599	69	JXM2015110406	2015-11-23	0.9
1330451	69	JXM2016050601	2016-05-04	0.8
1171185	69	JXM2016060308	2016-06-02	0.6
1299650	69	JXM2016060308	2016-06-02	0.7
1321223	69	JXM2016060308	2016-06-02	0.7
1328496	69	JXM2016060308	2016-06-02	0.9
1192579	69	JXM2016060309	2016-06-02	0.9
1385038	69	JXM2016060309	2016-06-02	0.7
1363656	69	JXM2016100504	2016-10-14	0.8
1107235	69	JXM2017030202	2017-03-16	0.7
1114387	69	JXM2017030202	2017-03-16	0.8
3171727	69	JXM2017030202	2017-03-16	0.9
1167006	69	JXM2017050303	2017-05-01	0.5
1172091	69	JXM2017050303	2017-05-01	0.8
1308171	69	JXM2017050303	2017-05-01	0.9
1397136	69	JXM2017050303	2017-05-01	0.7
1310603	69	JXM2017060508	2017-06-01	0.8
1392992	69	JXM2017060508	2017-06-01	0.9
3184542	69	JXM2017090201	2017-09-07	0.8
1372578	69	JXM2017090407	2017-09-21	0.7
1178326	69	JXM2017090508	2017-09-06	0.6

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1378450	69	JXM2017090508	2017-09-06	0.5
1394918	69	JXM2017090508	2017-09-06	0.9
1163906	69	JXM2017090509	2017-09-06	0.9
1353323	69	JXM2017090509	2017-09-06	0.8
1385299	69	JXM2017090509	2017-09-06	0.5
1168642	69	JXM2017110409	2017-11-20	0.7
1196510	69	JXM2017110409	2017-11-20	0.9
1394047	69	JXM2017110409	2017-11-20	0.8
1171186	69	JXM2017120610	2017-12-05	0.9
3189504	69	JXM2017120610	2017-12-05	0.7
2344142	69	JXM2018011201	2018-01-17	0.9
2362314	69	JXM2018020306	2018-02-15	0.9
2491877	69	JXM2018040207	2018-04-24	0.8
2772060	69	JXM2018040207	2018-04-24	0.9
2706929	69	JXM2018040402	2018-04-25	0.8
2694186	69	JXM2018050509	2018-05-14	0.9
2663785	69	JXM2018060309	2018-06-06	0.5
2689676	69	JXM2018060309	2018-06-06	0.9
2162020	69	JXM2018061508	2018-06-19	0.4
2158490	69	JXM2018070304	2018-07-05	0.9
2585967	69	JXM2018070304	2018-07-05	0.8
2672351	69	JXM2018070304	2018-07-05	0.7
2218407	69	JXM2018090206	2018-09-10	0.9
2693335	69	JXM2018090206	2018-09-10	0.7
2673906	69	JXM2018100304	2018-10-12	0.9
2689684	69	JXM2018100304	2018-10-12	0.9
2692675	69	JXM2018100304	2018-10-12	0.8
2688741	69	JXM2018100305	2018-10-12	0.8
2689506	69	JXM2018100305	2018-10-12	0.7
2689603	69	JXM2018100305	2018-10-12	0.9
2689788	69	JXM2018100305	2018-10-12	0.6
2694921	69	JXM2018100305	2018-10-12	0.5
2249460	69	JXM2018100502	2018-10-11	0.7
2677315	69	JXM2018100502	2018-10-11	0.8
2679972	69	JXM2018100502	2018-10-11	0.9
2693054	69	JXM2018110407	2018-11-19	0.9
2689776	69	JXM2018120308	2018-12-18	0.9
2693752	69	JXM2019010408	2019-01-09	0.9
2718957	69	JXM2019010408	2019-01-09	0.8
2722467	69	JXM2019010408	2019-01-09	0.7
2482004	69	JXM2019020306	2019-02-07	0.7
2701150	69	JXM2019030402	2019-03-11	0.9
2553398	69	JXM2019050304	2019-05-16	0.7
2690258	69	JXM2019050304	2019-05-16	0.8
2707346	69	JXM2019050304	2019-05-16	0.9
2687020	69	JXM2019050506	2019-05-15	0.8
2668256	69	JXM2019080202	2019-08-08	0.9
2176759	69	JXM2019080301	2019-08-05	0.8
2272544	69	JXM2019110407	2019-11-18	0.9
2530393	69	JXM2019110407	2019-11-18	0.8



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2674677	69	JXM2020110303	2020-11-20	0.6
2675767	69	JXM2020110303	2020-11-20	0.8
2675772	69	JXM2020110303	2020-11-20	0.7
2714895	69	JXM2020110303	2020-11-20	0.5
2702174	69	JXM2020120306	2020-12-02	0.9
2711016	69	JXM2020120306	2020-12-02	0.8
1315669	69	KYM1999060308	1999-06-03	0.9
1359377	69	KYM1999080312	1999-08-03	0.9
1423071	69	KYM2000050908	2000-05-09	0.8
1483556	69	KYM2000050908	2000-05-09	0.7
1485599	69	KYM2000050908	2000-05-09	0.9
1291072	69	KYM2000080102	2000-08-01	0.9
1274253	69	SAM2014060101	2014-06-19	0.9
1182142	69	SAM2016110103	2016-11-15	0.9
2700382	69	SAM2018070404	2018-07-19	0.8
2414788	69	SAM2019070209	2019-07-18	0.9
1156674	69	TBM1989052302	1989-05-23	0.9
1318218	69	TBM1989092703	1989-09-27	0.9
1170241	69	TBM1989092707	1989-09-27	0.9
1421152	69	TBM1989092707	1989-09-27	0.8
1339024	69	TBM1989092708	1989-09-27	0.9
1218063	69	TBM1989092709	1989-09-27	0.7
1223057	69	TBM1989092709	1989-09-27	0.8
1330964	69	TBM1989092709	1989-09-27	0.9
1952674	69	TBM1989092709	1989-09-27	0.9
1170459	69	TBM1989101002	1989-10-10	0.9
1936933	69	TBM1989101002	1989-10-10	0.8
1339360	69	TBM1989101008	1989-10-10	0.8
1434021	69	TBM1989101101	1989-10-11	0.9
1453727	69	TBM1989101102	1989-10-11	0.8
1349325	69	TBM1989101104	1989-10-11	0.9
1437375	69	TBM1990042307	1990-04-23	0.9
1476564	69	TBM1990060501	1990-06-05	0.9
1519950	69	TBM1990060501	1990-06-05	0.8
1520540	69	TBM1990060501	1990-06-05	0.7
1449523	69	TBM1990060502	1990-06-05	0.6
1518951	69	TBM1990060502	1990-06-05	0.9
1324183	69	TBM1990060503	1990-06-05	0.8
1453293	69	TBM1990060503	1990-06-05	0.9
1456577	69	TBM1990060503	1990-06-05	0.8
2110244	69	TBM1990060703	1990-06-07	0.9
1363095	69	TBM1990101502	1990-10-15	0.9
1414799	69	TBM1990111310	1990-11-13	0.9
1168616	69	TBM1990120312	1990-12-03	0.8
1356393	69	TBM1990120312	1990-12-03	0.8
1259791	69	TBM1991042908	1991-04-29	0.8
1335375	69	TBM1991042908	1991-04-29	0.7
1346724	69	TBM1991042908	1991-04-29	0.6
1273522	69	TBM1991042913	1991-04-29	0.9
2233416	69	TBM1991042913	1991-04-29	0.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1362839	69	TBM1991052007	1991-05-20	0.9
1117826	69	TBM1991100701	1991-10-07	0.9
1139200	69	TBM1991100702	1991-10-07	0.8
1156452	69	TBM1991100702	1991-10-07	0.9
1490192	69	TBM1991100702	1991-10-07	0.9
2283944	69	TBM1992092301	1992-09-23	0.9
1524696	69	TBM1992092302	1992-09-23	0.9
2285829	69	TBM1992092303	1992-09-23	0.8
1594456	69	TBM1992102605	1992-10-26	0.9
1376317	69	TBM1992102607	1992-10-26	0.9
1524759	69	TBM1993051815	1993-05-18	0.8
2341995	69	TBM1993051901	1993-05-19	0.9
1142922	69	TBM1993051926	1993-05-19	0.8
1218514	69	TBM1993051926	1993-05-19	0.9
1234660	69	TBM1993060201	1993-06-02	0.9
2361567	69	TBM1993060201	1993-06-02	0.9
1361262	69	TBM1994052305	1994-05-23	0.9
1543030	69	TBM1994052306	1994-05-23	0.9
1151076	69	TBM1994092001	1994-09-20	0.9
1560059	69	TBM1994092004	1994-09-20	0.9
1148646	69	TBM1994092601	1994-09-26	0.9
1231833	69	TBM1995102412	1995-10-24	0.9
1129261	69	TBM1996102105	1996-10-21	0.9
1261118	69	TBM1996102106	1996-10-21	0.8
1274025	69	TBM1996102106	1996-10-21	0.9
1505211	69	TBM1996102106	1996-10-21	0.7
1354692	69	TBM1997041718	1997-04-17	0.9
2436421	69	TBM1997041718	1997-04-17	0.7
2439176	69	TBM1997041718	1997-04-17	0.8
1468767	69	TBM1997080714	1997-08-07	0.9
1487740	69	TBM1997080714	1997-08-07	0.8
1499360	69	TBM1997080714	1997-08-07	0.5
1231261	69	TBM1997082013	1997-08-20	0.8
1241698	69	TBM1997082013	1997-08-20	0.4
1553905	69	TBM1997082013	1997-08-20	0.5
1471050	69	TBM1997091210	1997-09-12	0.8
1439892	69	TBM1997091217	1997-09-12	0.9
1490414	69	TBM1997091217	1997-09-12	0.9
1355473	69	TBM1997100808	1997-10-08	0.9
1215250	69	TBM1997111220	1997-11-12	0.9
1515477	69	TBM1997111220	1997-11-12	0.8
1247237	69	TBM1998052017	1998-05-20	0.9
1247531	69	TBM1998061804	1998-06-18	0.9
1551354	69	TBM1998061804	1998-06-18	0.9
2472465	69	TBM1998061804	1998-06-18	0.9
2475757	69	TBM1998061804	1998-06-18	0.8
1274785	69	TBM1998072016	1998-07-20	0.8
1224413	69	TBM1998101321	1998-10-13	0.9
1576419	69	TBM1999061411	1999-06-14	0.9
1376092	69	TBM1999061412	1999-06-14	0.9
1466840	69	TBM1999061412	1999-06-14	0.8
1491892	69	TBM1999061412	1999-06-14	0.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1511302	69	TBM1999061412	1999-06-14	0.5
1579399	69	TBM1999081201	1999-08-12	0.8
2861633	69	TBM1999081201	1999-08-12	0.9
2862505	69	TBM1999081201	1999-08-12	0.8
2863595	69	TBM1999091401	1999-09-14	0.8
1274197	69	TBM1999091405	1999-09-14	0.9
1484145	69	TBM1999091414	1999-09-14	0.9
1554323	69	TBM1999091414	1999-09-14	0.8
1138923	69	TBM1999101402	1999-10-14	0.8
1500026	69	TBM1999101402	1999-10-14	0.7
1540129	69	TBM1999101402	1999-10-14	0.9
1490871	69	TBM1999111212	1999-11-12	0.9
1356862	69	TBM1999111214	1999-11-12	0.9
1621990	69	TBM2000022307	2000-02-23	0.9
1293401	69	TBM2000041316	2000-04-13	0.9
1512254	69	TBM2000041317	2000-04-13	0.8
1552128	69	TBM2000070502	2000-07-05	0.9
2863567	69	TBM2000070506	2000-07-05	0.9
1352093	69	TBM2000081004	2000-08-10	0.6
1439643	69	TBM2000081004	2000-08-10	0.9
1550921	69	TBM2000081004	2000-08-10	0.8
1561632	69	TBM2000081004	2000-08-10	0.6
2841378	69	TBM2000081004	2000-08-10	0.5
1574210	69	TBM2000081017	2000-08-10	0.9
1448594	69	TBM2000092501	2000-09-25	0.5
1476752	69	TBM2000092501	2000-09-25	0.8
1547915	69	TBM2000092510	2000-09-25	0.9
1409724	69	TBM2000101003	2000-10-10	0.9
1457652	69	TBM2000101009	2000-10-10	0.7
2900537	69	TBM2001080708	2001-08-07	0.9
1581913	69	TBM2001080710	2001-08-07	0.7
1578929	69	TBM2001100406	2001-10-03	0.9
1489371	69	TBM2001100408	2001-10-03	0.8
1240641	69	TBM2001120405	2001-12-04	0.9
3003465	69	TBM2002101802	2002-10-29	0.9
1444731	69	TBM2003080402	2003-08-01	0.9
1489906	69	TBM2003100112	2003-10-06	0.9
1213565	69	TBM2004050114	2004-05-04	0.9
1351974	69	TBM2004090410	2004-09-10	0.7
1534316	69	TBM2004101003	2004-10-11	0.9
1461833	69	TBM2004101302	2004-10-15	0.7
1577823	69	TBM2005071101	2005-07-12	0.9
1599974	69	TBM2005071101	2005-07-12	0.8
1507223	69	TBM2005071106	2005-07-12	0.7
1608889	69	TBM2005071106	2005-07-12	0.9
1616044	69	TBM2005071106	2005-07-12	0.6
1260768	69	TBM2005071110	2005-07-12	0.8
1461657	69	TBM2005071114	2005-07-12	0.9
1538591	69	TBM2005080703	2005-08-05	0.9
1575172	69	TBM2005080703	2005-08-05	0.8
1413333	69	TBM2005101207	2005-10-25	0.9
1510866	69	TBM2006070801	2006-07-03	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2182727	69	TBM2006070801	2006-07-03	0.7
1556939	69	TBM2006070811	2006-07-03	0.9
1386052	69	TBM2006080405	2006-08-01	0.8
1441208	69	TBM2006090102	2006-09-26	0.9
2180917	69	TBM2006090113	2006-09-26	0.9
1471159	69	TBM2006100201	2006-10-09	0.9
1582314	69	TBM2006100601	2006-10-03	0.8
1374870	69	TBM2006120108	2006-12-11	0.6
1522734	69	TBM2006120108	2006-12-11	0.8
1339870	69	TBM2007100803	2007-10-03	0.9
1524907	69	TBM2007111007	2007-11-02	0.9
1539971	69	TBM2008040406	2008-04-14	0.9
1594973	69	TBM2008060405	2008-06-02	0.9
2233438	69	TBM2008060405	2008-06-02	0.9
1405648	69	TBM2008060407	2008-06-02	0.9
1542357	69	TBM2008060407	2008-06-02	0.9
2229033	69	TBM2008060407	2008-06-02	0.8
1413565	69	TBM2008061204	2008-06-10	0.9
1526482	69	TBM2008061204	2008-06-10	0.9
1239119	69	TBM2008070601	2008-07-02	0.8
1452142	69	TBM2008080306	2008-08-13	0.8
1465767	69	TBM2008080306	2008-08-13	0.7
1628943	69	TBM2008080313	2008-08-13	0.9
1487236	69	TBM2009051009	2009-05-07	0.9
1660924	69	TBM2009071204	2009-07-08	0.9
1642381	69	TBM2009080404	2009-08-12	0.9
1359789	69	TBM2009081003	2009-08-19	0.9
1430380	69	TBM2009090501	2009-09-01	0.8
1647721	69	TBM2009090902	2009-09-23	0.8
2283655	69	TBM2009090905	2009-09-23	0.6
1656412	69	TBM2010051104	2010-05-25	0.9
1618315	69	TBM2010060905	2010-06-03	0.9
1584919	69	TBM2010100104	2010-10-04	0.9
1693090	69	TBM2010100503	2010-10-05	0.9
1375106	69	TBM2011051306	2011-05-17	0.8
1607461	69	TBM2011051306	2011-05-17	0.8
1728816	69	TBM2011051306	2011-05-17	0.7
1732781	69	TBM2011051306	2011-05-17	0.9
2445044	69	TBM2011051306	2011-05-17	0.9
1624368	69	TBM2012050901	2012-05-10	0.9
1502523	69	TBM2012071103	2012-07-17	0.9
1658762	69	TBM2012071103	2012-07-17	0.9
1706320	69	TBM2012080802	2012-08-15	0.9
1597995	69	TBM2012090903	2012-09-12	0.9
1685351	69	TBM2012090905	2012-09-12	0.9
1420230	69	TBM2012091101	2012-09-13	0.9
1257516	69	TBM2012091403	2012-09-19	0.7
1263065	69	TBM2012091403	2012-09-19	0.8
1621973	69	TBM2013050903	2013-05-22	0.9
1693961	69	TBM2013090606	2013-09-13	0.9
1641320	69	TBM2013100604	2013-10-07	0.7
1615995	69	TBM2013100611	2013-10-07	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1425250	69	TBM2013111001	2013-11-14	0.9
3082838	69	TBM2014070408	2014-07-07	0.8
1727014	69	TBM2014080223	2014-08-04	0.8
1736943	69	TBM2014080223	2014-08-04	0.9
3123557	69	TBM2015081305	2015-08-20	0.9
1417651	69	TBM2016050202	2016-05-11	0.8
1417954	69	TBM2016050202	2016-05-11	0.6
1690118	69	TBM2016050202	2016-05-11	0.7
3126993	69	TBM2016081609	2016-08-04	0.7
1856649	69	TBM2016110209	2016-11-14	0.8
1473387	69	TBM2017070402	2017-07-14	0.9
1782068	69	TBM2017070402	2017-07-14	0.8
2631327	69	TBM2018070912	2018-07-11	0.9
2754560	69	TBM2018110810	2018-11-15	0.8
2757671	69	TBM2018120206	2018-12-04	0.9
2629805	69	TBM2019060312	2019-06-05	0.8
2418815	69	TBM2019071205	2019-07-11	0.8
2446626	69	TBM2019080203	2019-08-02	0.8
2811915	69	TBM2019090110	2019-09-09	0.8
2824464	69	TBM2019101503	2019-10-11	0.9
2470620	69	TBM2019110309	2019-11-06	0.9
2876213	69	TBM2020071111	2020-07-06	0.9
2808011	69	TBM2020071202	2020-07-20	0.9
2840954	69	TBM2020090206	2020-09-15	0.8
2842035	69	TBM2020121112	2020-12-09	0.9
2885119	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

**Indicator: Nekton**

**Standard Length**

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

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
122641	69	APM1999090701	1999-09-07	98.5
131185	69	APM2000030802	2000-03-08	90.9
91719	69	APM2001010608	2001-01-10	95.0
120318	69	APM2001010608	2001-01-10	99.0
155412	69	APM2001020301	2001-02-06	97.1
104699	69	APM2002090801	2002-09-19	81.5
27216	69	APM2004040306	2004-04-06	100.0
524730	69	APM2004090902	2004-09-23	85.5
228789	69	APM2004100501	2004-10-08	140.0
171985	69	APM2005080804	2005-08-16	83.0
165886	69	APM2007120805	2007-12-12	95.5
193797	69	APM2008081102	2008-08-21	88.7
194166	69	APM2008081102	2008-08-21	90.9
147788	69	APM2008090101	2008-09-03	93.0
193047	69	APM2008091302	2008-09-23	81.5
1662522	69	APM2009010701	2009-01-15	88.8
237240	69	APM2010080201	2010-08-03	111.9
398201	69	APM2010080403	2010-08-10	106.0
1977205	69	APM2010100501	2010-10-06	102.0
342848	69	APM2011070404	2011-07-12	97.8
256879	69	APM2011070809	2011-07-25	97.5
355919	69	APM2012070301	2012-07-09	81.0
449860	69	APM2012070702	2012-07-17	80.5
2582435	69	APM2012070702	2012-07-17	84.0
501190	69	APM2012110504	2012-11-06	83.1
351781	69	APM2013061101	2013-06-21	100.0
504291	69	APM2013081104	2013-08-15	80.2
573004	69	APM2014051101	2014-05-20	84.5
255757	69	APM2014070103	2014-07-01	100.0
586992	69	APM2014080106	2014-08-01	88.3
348222	69	APM2014100910	2014-10-21	128.0
288901	69	APM2015040606	2015-04-14	88.7
2883676	69	APM2015100601	2015-10-08	83.0
242115	69	APM2015110404	2015-11-05	87.5
231325	69	APM2016040404	2016-04-05	98.5
348693	69	APM2016060903	2016-06-10	82.3
486994	69	APM2016061003	2016-06-13	80.0
250788	69	APM2016080203	2016-08-02	84.0
415999	69	APM2016080506	2016-08-04	82.0
298160	69	APM2016090803	2016-09-15	93.6
378640	69	APM2017051007	2017-05-26	94.5
395374	69	APM2017061405	2017-06-26	79.1
415793	69	APM2017081201	2017-08-15	83.5
411827	69	APM2017091005	2017-09-15	85.3
1651568	69	APM2018020611	2018-02-07	103.0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1664731	69	APM2018040106	2018-04-02	106.0
1901599	69	APM2018070301	2018-07-03	83.3
1765512	69	APM2018080305	2018-08-07	79.2
1901959	69	APM2018080801	2018-08-14	87.8
3174050	69	APM2018080801	2018-08-14	88.2
1844459	69	APM2019020604	2019-02-11	102.2
3173266	69	APM2019050307	2019-05-03	105.5
1660144	69	APM2019070101	2019-07-02	87.7
1865707	69	APM2019071101	2019-07-16	81.0
1921024	69	APM2019080501	2019-08-06	80.4
1924322	69	APM2019091404	2019-09-24	79.7
2172539	69	APM2019091404	2019-09-24	86.5
1934668	69	APM2020030106	2020-03-02	83.5
2603661	69	APM2020071101	2020-07-22	81.0
1920005	69	APM2020090606	2020-09-10	80.6
1913860	69	BBM2013080501	2013-08-28	88.5
399040	69	BBM2015060110	2015-06-02	81.5
2655451	69	BBM2016060105	2016-06-14	82.0
497682	69	BBM2017110302	2017-11-09	95.1
648964	69	CHM1989111304	1989-11-13	80.0
342035	69	CHM1989111425	1989-11-14	82.0
474755	69	CHM1990101506	1990-10-15	82.5
513346	69	CHM1990101514	1990-10-15	94.0
462623	69	CHM1992102408	1992-10-24	83.5
717512	69	CHM1993032915	1993-03-29	99.5
652685	69	CHM1994092613	1994-09-26	79.3
423568	69	CHM1995111601	1995-11-16	89.5
502338	69	CHM1996071503	1996-07-15	80.0
607780	69	CHM1996071503	1996-07-15	95.0
1840984	69	CHM1996071603	1996-07-16	83.5
714632	69	CHM1996081203	1996-08-12	85.0
562997	69	CHM1997010701	1997-01-07	80.0
540751	69	CHM1997010802	1997-01-08	102.0
1923533	69	CHM1997022105	1997-02-21	80.0
2733147	69	CHM1997081302	1997-08-13	83.8
566201	69	CHM1997091901	1997-09-19	81.0
552981	69	CHM1998042106	1998-04-21	96.0
628814	69	CHM1998042106	1998-04-21	83.5
2746487	69	CHM1998042106	1998-04-21	90.0
572353	69	CHM1998072301	1998-07-23	89.5
564757	69	CHM1998100503	1998-10-05	80.0
470526	69	CHM1998111703	1998-11-17	81.5
495073	69	CHM1999011203	1999-01-12	89.2
497963	69	CHM1999030802	1999-03-08	86.0
505292	69	CHM1999030802	1999-03-08	80.2
624046	69	CHM1999030802	1999-03-08	81.0
694297	69	CHM1999030802	1999-03-08	83.5
697030	69	CHM1999030802	1999-03-08	80.0
2763803	69	CHM1999030802	1999-03-08	84.2
686402	69	CHM1999031102	1999-03-11	90.0
625454	69	CHM1999042702	1999-04-27	84.5
2748232	69	CHM1999060102	1999-06-01	92.5



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
626377	69	CHM1999060103	1999-06-01	87.0
501753	69	CHM1999061501	1999-06-15	80.0
1771386	69	CHM1999061602	1999-06-16	109.0
738318	69	CHM1999071204	1999-07-12	84.5
463421	69	CHM1999090804	1999-09-08	85.0
493978	69	CHM1999101403	1999-10-14	84.7
552983	69	CHM1999101403	1999-10-14	83.8
2750267	69	CHM2000010504	2000-01-05	89.0
552321	69	CHM2000021502	2000-02-15	85.5
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924646	69	CKM1999030806	1999-03-08	85.0
924795	69	CKM1999030806	1999-03-08	90.2
953793	69	CKM1999030806	1999-03-08	110.0
741889	69	CKM1999031005	1999-03-10	85.0
970588	69	CKM1999041202	1999-04-12	86.0
949598	69	CKM1999061001	1999-06-10	92.0
900221	69	CKM1999071205	1999-07-12	90.5
759815	69	CKM1999072604	1999-07-26	84.0
759940	69	CKM1999072604	1999-07-26	87.0
770665	69	CKM1999091601	1999-09-16	90.0
786029	69	CKM1999091601	1999-09-16	87.0
820045	69	CKM1999091601	1999-09-16	86.5
919219	69	CKM1999091601	1999-09-16	91.0
789682	69	CKM1999100603	1999-10-06	88.0
818443	69	CKM1999100603	1999-10-06	82.0

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947035	69	CKM1999100603	1999-10-06	80.0
965251	69	CKM1999100603	1999-10-06	81.0
866035	69	CKM2000021703	2000-02-17	90.0
910182	69	CKM2000021703	2000-02-17	85.0
886680	69	CKM2000031503	2000-03-15	94.0
889420	69	CKM2000031503	2000-03-15	84.5
2514482	69	CKM2000041106	2000-04-11	85.0
839042	69	CKM2000041801	2000-04-18	98.0
883608	69	CKM2000041801	2000-04-18	114.0
827720	69	CKM2000051003	2000-05-10	130.0
897768	69	CKM2000052203	2000-05-22	80.0
935828	69	CKM2000052203	2000-05-22	92.0
807375	69	CKM2000061303	2000-06-13	82.0
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2511878	69	CKM2000061303	2000-06-13	81.2
2519960	69	CKM2000061303	2000-06-13	88.7
757110	69	CKM2000061401	2000-06-14	82.0
916460	69	CKM2000061503	2000-06-15	84.5
2530197	69	CKM2000061503	2000-06-15	100.0
828764	69	CKM2000071705	2000-07-17	86.3
927752	69	CKM2000071705	2000-07-17	81.1
2528554	69	CKM2000071705	2000-07-17	90.5
843087	69	CKM2000081504	2000-08-15	85.0
862712	69	CKM2000081703	2000-08-17	83.0
901538	69	CKM2000081703	2000-08-17	79.5
944976	69	CKM2000081703	2000-08-17	82.5
949042	69	CKM2000081703	2000-08-17	80.0
742633	69	CKM2000081705	2000-08-17	82.0
776811	69	CKM2000081705	2000-08-17	88.0
846409	69	CKM2000081705	2000-08-17	83.0
903995	69	CKM2000081705	2000-08-17	92.0
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2539123	69	CKM2000081705	2000-08-17	81.0
852510	69	CKM2000081706	2000-08-17	84.0
969223	69	CKM2000081706	2000-08-17	85.5
758779	69	CKM2000092501	2000-09-25	83.5
734768	69	CKM2000092503	2000-09-25	88.5
788510	69	CKM2000092503	2000-09-25	80.0
886701	69	CKM2000092503	2000-09-25	88.0
2567886	69	CKM2000092503	2000-09-25	84.5
904282	69	CKM2000092601	2000-09-26	79.5
734398	69	CKM2000092602	2000-09-26	80.0
905973	69	CKM2000092602	2000-09-26	86.5
1011008	69	CKM2000092701	2000-09-27	118.0
764605	69	CKM2000102503	2000-10-25	110.0
779327	69	CKM2000102503	2000-10-25	82.5
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742826	69	CKM2000110601	2000-11-06	80.5



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1016797	69	CKM2001050604	2001-05-14	83.5
904255	69	CKM2001050702	2001-05-15	88.5
959893	69	CKM2001050702	2001-05-15	82.0
1043324	69	CKM2001050702	2001-05-15	81.0
2609217	69	CKM2001050702	2001-05-15	83.0
2616834	69	CKM2001050702	2001-05-15	87.4
895987	69	CKM2001060304	2001-06-06	108.0
896576	69	CKM2001060702	2001-06-13	84.5
904452	69	CKM2001060702	2001-06-13	87.0
925274	69	CKM2001060702	2001-06-13	87.5
791539	69	CKM2001060704	2001-06-13	84.5
1006259	69	CKM2001060704	2001-06-13	83.0
871179	69	CKM2001071304	2001-07-19	83.8
919140	69	CKM2001071304	2001-07-19	82.0
919636	69	CKM2001071304	2001-07-19	86.0
972347	69	CKM2001071304	2001-07-19	84.0
1060382	69	CKM2001071304	2001-07-19	81.5
2616698	69	CKM2001071305	2001-07-19	119.0
880387	69	CKM2001080803	2001-08-16	84.7
808547	69	CKM2001090601	2001-09-11	81.0
992812	69	CKM2001090603	2001-09-11	84.0
1096803	69	CKM2001090702	2001-09-17	83.5
815974	69	CKM2001091103	2001-09-25	84.0
823472	69	CKM2001091103	2001-09-25	93.0
829106	69	CKM2001091103	2001-09-25	87.0
853695	69	CKM2001091103	2001-09-25	82.0
881462	69	CKM2001091103	2001-09-25	91.0
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949143	69	CKM2001091103	2001-09-25	81.5
985095	69	CKM2001091103	2001-09-25	92.0
1023345	69	CKM2001091103	2001-09-25	93.5
1044674	69	CKM2001091103	2001-09-25	89.0
1050929	69	CKM2001091103	2001-09-25	80.0
1053158	69	CKM2001091103	2001-09-25	86.0
905789	69	CKM2001091201	2001-09-26	92.0
1074328	69	CKM2001091201	2001-09-26	85.0
2637323	69	CKM2001091201	2001-09-26	84.0
866929	69	CKM2001101201	2001-10-23	85.0
876695	69	CKM2001110401	2001-11-06	95.2
754619	69	CKM2001110902	2001-11-20	82.5
880389	69	CKM2001110902	2001-11-20	110.0
904715	69	CKM2001110902	2001-11-20	86.5
934247	69	CKM2001110902	2001-11-20	93.5
942434	69	CKM2001110902	2001-11-20	90.4
958803	69	CKM2001110905	2001-11-20	97.5
924319	69	CKM2002040207	2002-04-02	84.4
973782	69	CKM2002040805	2002-04-15	115.0

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948618	69	CKM2002050302	2002-05-03	88.2
772040	69	CKM2002050801	2002-05-09	80.0
2757004	69	CKM2002050801	2002-05-09	85.0
763080	69	CKM2002060406	2002-06-10	86.2
875246	69	CKM2002060406	2002-06-10	90.0
894354	69	CKM2002060406	2002-06-10	85.2
896496	69	CKM2002060406	2002-06-10	82.3
953160	69	CKM2002060406	2002-06-10	86.0
2765127	69	CKM2002060406	2002-06-10	89.0
744803	69	CKM2002070305	2002-07-02	83.0
776561	69	CKM2002070305	2002-07-02	80.0
872703	69	CKM2002070305	2002-07-02	87.0
877198	69	CKM2002070305	2002-07-02	81.1
922669	69	CKM2002070305	2002-07-02	84.0
935378	69	CKM2002070305	2002-07-02	88.0
936216	69	CKM2002070305	2002-07-02	82.0
949578	69	CKM2002070305	2002-07-02	79.5
953249	69	CKM2002070305	2002-07-02	84.2
966469	69	CKM2002070305	2002-07-02	80.5
753459	69	CKM2002070306	2002-07-02	86.0
2798438	69	CKM2002070507	2002-07-08	84.6
950733	69	CKM2002080404	2002-08-05	79.3
965601	69	CKM2002080405	2002-08-05	80.0
879836	69	CKM2002081101	2002-08-21	82.5
2802580	69	CKM2002081101	2002-08-21	88.8
800561	69	CKM2002081102	2002-08-21	81.0
2807511	69	CKM2002081103	2002-08-21	90.0
875495	69	CKM2002081105	2002-08-21	81.5
881353	69	CKM2002081105	2002-08-21	89.0
1016681	69	CKM2002081105	2002-08-21	81.0
1030670	69	CKM2002081105	2002-08-21	82.0
882012	69	CKM2002090103	2002-09-03	79.5
773214	69	CKM2002090104	2002-09-03	88.3
750798	69	CKM2002090302	2002-09-06	80.0
1038380	69	CKM2002090302	2002-09-06	80.5
765039	69	CKM2002100106	2002-10-01	83.0
966055	69	CKM2002100106	2002-10-01	88.0
2830881	69	CKM2002100106	2002-10-01	86.0
823405	69	CKM2002100301	2002-10-03	87.0
932113	69	CKM2002100301	2002-10-03	85.0
959274	69	CKM2002100301	2002-10-03	82.5
2826873	69	CKM2002100301	2002-10-03	84.0
2860478	69	CKM2002100301	2002-10-03	82.0
970109	69	CKM2002100302	2002-10-03	83.5
830645	69	CKM2002100305	2002-10-03	82.0
903668	69	CKM2002100305	2002-10-03	80.0
1092907	69	CKM2002100805	2002-10-14	103.5
945817	69	CKM2002100904	2002-10-17	98.0
1020967	69	CKM2002100904	2002-10-17	120.0
772718	69	CKM2002110101	2002-11-01	86.0

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966478	69	CKM2002110105	2002-11-01	87.2
1017626	69	CKM2002110805	2002-11-14	98.8
816547	69	CKM2002120705	2002-12-11	116.0
967520	69	CKM2002120705	2002-12-11	88.0
983708	69	CKM2002120705	2002-12-11	100.0
807657	69	CKM2003020703	2003-02-17	93.3
2899944	69	CKM2003020703	2003-02-17	101.5
828361	69	CKM2003030105	2003-03-05	84.6
916506	69	CKM2003030105	2003-03-05	85.5
1033685	69	CKM2003040303	2003-04-08	90.0
965802	69	CKM2003040507	2003-04-15	92.1
1061740	69	CKM2003040507	2003-04-15	82.3
796401	69	CKM2003050402	2003-05-06	81.0
856271	69	CKM2003050404	2003-05-06	89.0
840847	69	CKM2003050504	2003-05-07	80.3
819339	69	CKM2003060106	2003-06-02	83.3
934702	69	CKM2003060701	2003-06-11	93.6
912660	69	CKM2003070901	2003-07-08	93.0
979713	69	CKM2003070901	2003-07-08	84.0
890733	69	CKM2003071202	2003-07-21	88.2
925009	69	CKM2003080301	2003-08-06	80.0
933467	69	CKM2003080301	2003-08-06	89.5
2920409	69	CKM2003080602	2003-08-18	91.0
2927018	69	CKM2003090506	2003-09-09	89.0
953516	69	CKM2003090507	2003-09-09	82.0
1024243	69	CKM2003100806	2003-10-13	83.0
838356	69	CKM2003100809	2003-10-13	84.5
1023452	69	CKM2003110408	2003-11-05	111.1
891440	69	CKM2003110701	2003-11-13	115.8
947941	69	CKM2004020603	2004-02-12	90.9
954300	69	CKM2004020603	2004-02-12	85.0
791017	69	CKM2004020802	2004-02-17	84.8
865683	69	CKM2004020802	2004-02-17	85.2
962746	69	CKM2004020802	2004-02-17	85.7
970253	69	CKM2004020802	2004-02-17	85.0
1015711	69	CKM2004030110	2004-03-01	96.0
987361	69	CKM2004050305	2004-05-06	81.0
973498	69	CKM2004050605	2004-05-13	114.0
802864	69	CKM2004060703	2004-06-16	82.0
912579	69	CKM2004060703	2004-06-16	80.0
896083	69	CKM2004060803	2004-06-18	80.0
950961	69	CKM2004071004	2004-07-20	86.2
825266	69	CKM2004080401	2004-08-11	82.5
829934	69	CKM2004080401	2004-08-11	90.5
1048017	69	CKM2004080401	2004-08-11	84.0
1089394	69	CKM2004080401	2004-08-11	79.3
1091715	69	CKM2004080401	2004-08-11	82.0
2975714	69	CKM2004080401	2004-08-11	86.3
805616	69	CKM2004080902	2004-08-25	85.5
900431	69	CKM2004090303	2004-09-10	84.0

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829644	69	CKM2004090401	2004-09-13	103.0
1063119	69	CKM2004090404	2004-09-13	115.0
813204	69	CKM2004110402	2004-11-03	88.5
853580	69	CKM2004110603	2004-11-05	85.2
891306	69	CKM2004120410	2004-12-06	85.0
941259	69	CKM2004120507	2004-12-07	81.0
2982023	69	CKM2005010106	2005-01-04	82.2
931173	69	CKM2005040303	2005-04-05	87.0
856818	69	CKM2005050107	2005-05-02	83.0
891347	69	CKM2005050107	2005-05-02	86.5
912550	69	CKM2005050107	2005-05-02	82.0
953674	69	CKM2005050107	2005-05-02	84.0
869238	69	CKM2005050403	2005-05-09	130.0
936133	69	CKM2005060601	2005-06-13	84.0
2974475	69	CKM2005060601	2005-06-13	85.0
2975464	69	CKM2005060601	2005-06-13	83.0
3000892	69	CKM2005070103	2005-07-05	86.0
937339	69	CKM2005070207	2005-07-06	79.5
803558	69	CKM2005080701	2005-08-17	83.0
994516	69	CKM2005080701	2005-08-17	81.0
995947	69	CKM2005080701	2005-08-17	84.0
2972014	69	CKM2005080701	2005-08-17	82.5
2978314	69	CKM2005080703	2005-08-17	120.0
960932	69	CKM2005080810	2005-08-19	82.0
930104	69	CKM2005080811	2005-08-19	83.5
2977020	69	CKM2005080811	2005-08-19	84.5
976535	69	CKM2005090701	2005-09-14	81.5
861140	69	CKM2005090702	2005-09-14	93.5
2973723	69	CKM2005090702	2005-09-14	86.5
801843	69	CKM2005090703	2005-09-14	81.0
1093294	69	CKM2005090703	2005-09-14	79.5
777823	69	CKM2005100108	2005-10-03	79.6
779468	69	CKM2005100206	2005-10-04	81.2
782368	69	CKM2005100206	2005-10-04	79.5
941775	69	CKM2005100206	2005-10-04	89.0
991417	69	CKM2005100206	2005-10-04	83.0
1047128	69	CKM2005100206	2005-10-04	84.5
2996943	69	CKM2005100206	2005-10-04	88.2
2999485	69	CKM2005100303	2005-10-06	93.0
938281	69	CKM2005100701	2005-10-13	79.4
1015172	69	CKM2005100703	2005-10-13	86.0
1133532	69	CKM2005100703	2005-10-13	86.0
2994787	69	CKM2005100703	2005-10-13	84.0
3006263	69	CKM2005100703	2005-10-13	94.8
1110083	69	CKM2005110105	2005-11-01	82.5
950154	69	CKM2005110702	2005-11-08	89.2
1039124	69	CKM2005110702	2005-11-08	88.7
983115	69	CKM2005120707	2005-12-14	83.3
1092759	69	CKM2006020507	2006-02-10	85.5
1002488	69	CKM2006030106	2006-03-01	80.6

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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960187	69	CKM2006040504	2006-04-12	84.4
962431	69	CKM2006040504	2006-04-12	87.0
1119368	69	CKM2006040504	2006-04-12	85.3
1122140	69	CKM2006040504	2006-04-12	86.7
3004697	69	CKM2006040504	2006-04-12	90.3
1019269	69	CKM2006050301	2006-05-05	89.5
989936	69	CKM2006050407	2006-05-10	92.4
3010161	69	CKM2006050806	2006-05-24	84.2
1202005	69	CKM2006060704	2006-06-20	88.3
915273	69	CKM2006070806	2006-07-11	86.5
3006719	69	CKM2006070806	2006-07-11	87.4
906721	69	CKM2006071003	2006-07-18	80.4
934155	69	CKM2006071003	2006-07-18	88.3
979174	69	CKM2006071003	2006-07-18	82.0
980144	69	CKM2006071003	2006-07-18	87.2
3009920	69	CKM2006071003	2006-07-18	79.5
930333	69	CKM2006080401	2006-08-04	79.1
959157	69	CKM2006080401	2006-08-04	81.2
1042649	69	CKM2006080401	2006-08-04	80.1
1043149	69	CKM2006080401	2006-08-04	81.7
1049976	69	CKM2006080401	2006-08-04	88.5
3007232	69	CKM2006080401	2006-08-04	87.1
1022017	69	CKM2006090603	2006-09-19	86.4
1043105	69	CKM2006090703	2006-09-20	82.5
862090	69	CKM2006100302	2006-10-04	84.4
928183	69	CKM2006100302	2006-10-04	83.0
965878	69	CKM2006100302	2006-10-04	81.8
795328	69	CKM2006100807	2006-10-18	102.8
924638	69	CKM2006100807	2006-10-18	83.6
859246	69	CKM2007010104	2007-01-03	89.2
3015152	69	CKM2007010505	2007-01-16	83.3
804006	69	CKM2007020705	2007-02-13	110.0
3012937	69	CKM2007020705	2007-02-13	120.0
1069130	69	CKM2007020707	2007-02-13	117.0
1013678	69	CKM2007050405	2007-05-09	87.0
987932	69	CKM2007060804	2007-06-14	81.0
861085	69	CKM2007080103	2007-08-01	102.0
876149	69	CKM2007080202	2007-08-03	87.2
867191	69	CKM2007080204	2007-08-03	84.0
876432	69	CKM2007080204	2007-08-03	86.0
888396	69	CKM2007080204	2007-08-03	84.6
889147	69	CKM2007080204	2007-08-03	80.0
923438	69	CKM2007080204	2007-08-03	82.1
943814	69	CKM2007080204	2007-08-03	82.2
944484	69	CKM2007080204	2007-08-03	82.5
945030	69	CKM2007080204	2007-08-03	80.5
955185	69	CKM2007080204	2007-08-03	94.7
955756	69	CKM2007080204	2007-08-03	81.5
962919	69	CKM2007080204	2007-08-03	84.2
965189	69	CKM2007080204	2007-08-03	85.5
968098	69	CKM2007080204	2007-08-03	88.0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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968531	69	CKM2007080204	2007-08-03	79.4
968762	69	CKM2007080204	2007-08-03	81.0
997739	69	CKM2007080204	2007-08-03	87.0
1129241	69	CKM2007080204	2007-08-03	87.3
3009767	69	CKM2007080204	2007-08-03	79.5
3010767	69	CKM2007080204	2007-08-03	83.0
3012752	69	CKM2007080204	2007-08-03	83.1
3021907	69	CKM2007080204	2007-08-03	85.0
3025640	69	CKM2007080204	2007-08-03	84.5
922000	69	CKM2007090304	2007-09-06	82.8
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949666	69	CKM2008050607	2008-05-07	82.2
1000960	69	CKM2008050607	2008-05-07	87.5
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936564	69	CKM2009040105	2009-04-03	86.0
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989398	69	CKM2009050609	2009-05-14	115.0
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863544	69	CKM2009060405	2009-06-08	83.0
873841	69	CKM2009060405	2009-06-08	84.8
1011073	69	CKM2009060405	2009-06-08	82.5
819095	69	CKM2009060706	2009-06-15	83.4
885155	69	CKM2009060707	2009-06-15	82.9
973215	69	CKM2009060707	2009-06-15	85.1
1044066	69	CKM2009070106	2009-07-02	83.7
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3028404	69	CKM2009080110	2009-08-03	80.5
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982792	69	CKM2009090609	2009-09-16	112.0
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896394	69	CKM2009100601	2009-10-13	114.0
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1196660	69	CKM2010050509	2010-05-12	86.0
838935	69	CKM2010070202	2010-07-06	82.3
928299	69	CKM2010070202	2010-07-06	85.0
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1136120	69	CKM2010070202	2010-07-06	90.9
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3059074	69	CKM2010080704	2010-08-06	81.0
893470	69	CKM2010080705	2010-08-06	108.5
863759	69	CKM2010080804	2010-08-25	84.3
898496	69	CKM2010080804	2010-08-25	81.5
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962739	69	CKM2010090806	2010-09-22	107.0
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1196339	69	CKM2010100204	2010-10-04	88.6
890247	69	CKM2010100408	2010-10-07	99.8
938236	69	CKM2010100408	2010-10-07	91.3
963858	69	CKM2010100408	2010-10-07	100.0
3052043	69	CKM2010100408	2010-10-07	81.1
940409	69	CKM2010100504	2010-10-14	81.5
893986	69	CKM2010100704	2010-10-20	115.5
953503	69	CKM2010110803	2010-11-15	101.0
861669	69	CKM2010110806	2010-11-15	97.2
1017021	69	CKM2011020107	2011-02-01	113.5
916785	69	CKM2011040106	2011-04-04	127.0
973391	69	CKM2011040407	2011-04-11	83.0
1041443	69	CKM2011040407	2011-04-11	83.7
1046860	69	CKM2011040407	2011-04-11	84.5
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1072491	69	CKM2011080603	2011-08-15	87.3
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1151714	69	CKM2011090303	2011-09-08	82.3
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867607	69	CKM2011090404	2011-09-08	85.0
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3088717	69	CKM2011100805	2011-10-26	101.0
1029433	69	CKM2011120407	2011-12-07	83.5
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1114066	69	CKM2012010702	2012-01-19	100.0

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920645	69	CKM2012030301	2012-03-05	111.4
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3142863	69	CKM2012040104	2012-04-03	111.8
978755	69	CKM2012040706	2012-04-17	83.0
943568	69	CKM2012050206	2012-05-02	119.5
983036	69	CKM2012050306	2012-05-03	89.3
3147537	69	CKM2012050307	2012-05-03	80.4
930733	69	CKM2012060208	2012-06-07	83.3
892465	69	CKM2012060302	2012-06-13	107.0
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910443	69	CKM2012060508	2012-06-19	94.2
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3167972	69	CKM2012090502	2012-09-11	85.7
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1016790	69	CKM2012100807	2012-10-11	86.5
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845502	69	CKM2013040508	2013-04-08	89.9
1078495	69	CKM2013040508	2013-04-08	84.0
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829922	69	CKM2013050204	2013-05-02	82.4
850989	69	CKM2013050204	2013-05-02	84.2
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917202	69	CKM2013050204	2013-05-02	83.4
3159413	69	CKM2013050204	2013-05-02	80.8
978047	69	CKM2013060107	2013-06-03	79.2
869784	69	CKM2013070702	2013-07-17	81.0
1038203	69	CKM2013070702	2013-07-17	84.2
3159352	69	CKM2013070702	2013-07-17	84.4
823692	69	CKM2013070802	2013-07-18	90.0
1023403	69	CKM2013080101	2013-08-01	79.2
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1068881	69	CKM2013080104	2013-08-01	92.0
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3167353	69	CKM2013080208	2013-08-01	80.9
1115262	69	CKM2013090607	2013-09-16	86.6

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830944	69	CKM2013100407	2013-10-02	83.7
830444	69	CKM2014030502	2014-03-10	100.3
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1090732	69	CKM2014040803	2014-04-14	82.5
1070047	69	CKM2014040804	2014-04-14	131.0
1065102	69	CKM2014050601	2014-05-12	120.4
979967	69	CKM2014090102	2014-09-02	79.6
885909	69	CKM2014090508	2014-09-09	81.0
1119349	69	CKM2014090508	2014-09-09	104.8
1052551	69	CKM2014100201	2014-10-03	80.3
1091925	69	CKM2014100201	2014-10-03	82.5
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2539045	69	CKM2014100201	2014-10-03	80.7
1115791	69	CKM2014100509	2014-10-09	88.0
853943	69	CKM2014110504	2014-11-10	102.1
2517856	69	CKM2014110702	2014-11-18	86.1
849799	69	CKM2015010705	2015-01-15	86.9
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1009522	69	CKM2015010705	2015-01-15	98.7
1043270	69	CKM2015010705	2015-01-15	81.5
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1020776	69	CKM2015070108	2015-07-01	83.4
947454	69	CKM2015070802	2015-07-22	90.3
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912529	69	CKM2015090801	2015-09-09	86.3
864476	69	CKM2015090902	2015-09-10	115.0
995036	69	CKM2015090902	2015-09-10	123.0
1087983	69	CKM2015090908	2015-09-10	79.2
1052810	69	CKM2015100303	2015-10-02	83.3
1131682	69	CKM2015100303	2015-10-02	82.0
1136359	69	CKM2015110202	2015-11-04	80.3
1071424	69	CKM2015110504	2015-11-06	96.8
937859	69	CKM2016020403	2016-02-02	100.0
931253	69	CKM2016020708	2016-02-11	115.5
1086299	69	CKM2016030501	2016-03-03	107.0
1139793	69	CKM2016030608	2016-03-07	121.2
950093	69	CKM2016030807	2016-03-08	156.0
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1158828	69	CKM2016070204	2016-07-01	81.0
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1051610	69	CKM2017010606	2017-01-10	80.5
2613607	69	CKM2017020808	2017-02-14	97.6
1084421	69	CKM2017030805	2017-03-08	112.3
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2601611	69	CKM2017040202	2017-04-05	84.0
1121516	69	CKM2017040203	2017-04-05	104.6
1096170	69	CKM2017040309	2017-04-07	93.2
1030490	69	CKM2017040504	2017-04-12	80.6
850272	69	CKM2017040705	2017-04-14	97.8
1122203	69	CKM2017050202	2017-05-03	90.0
895272	69	CKM2017050208	2017-05-03	84.0
1085113	69	CKM2017060702	2017-06-19	85.6
1092777	69	CKM2017060807	2017-06-27	119.7
898844	69	CKM2017070303	2017-07-07	79.8
918728	69	CKM2017070303	2017-07-07	81.0
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1137753	69	CKM2017070303	2017-07-07	86.3
1140958	69	CKM2017070303	2017-07-07	80.0
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2594945	69	CKM2017080201	2017-08-03	127.0
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1282421	69	JXM2004030106	2004-03-02	83.7
1328414	69	JXM2004030106	2004-03-02	82.4
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2716717	69	JXM2018100308	2018-10-12	85.8
2465162	69	JXM2019020407	2019-02-06	91.1
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1549758	69	TBM2000051101	2000-05-11	81.5
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1298871	69	TBM2003010806	2003-01-14	80.0
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1550741	69	TBM2005021407	2005-02-17	87.0
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1277644	69	TBM2005041409	2005-04-13	86.5
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1993348	69	TBM2005060602	2005-06-06	80.0
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1242230	69	TBM2005070707	2005-07-08	81.9
1565800	69	TBM2005070707	2005-07-08	79.2
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1435624	69	TBM2005091101	2005-09-23	82.2
1631860	69	TBM2005100701	2005-10-26	79.5
1340921	69	TBM2006070301	2006-07-10	80.4
1500281	69	TBM2006070301	2006-07-10	82.5

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1572441	69	TBM2007061001	2007-06-19	79.5
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1468231	69	TBM2008051504	2008-05-16	82.5
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2446637	69	TBM2010120509	2010-12-02	82.8
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1291337	69	TBM2011091002	2011-09-08	80.6
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1497729	69	TBM2012070505	2012-07-11	79.4
1485073	69	TBM2012080301	2012-08-06	83.0
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1433076	69	TBM2013051003	2013-05-16	90.3
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1698667	69	TBM2013081104	2013-08-19	85.4
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1450921	69	TBM2013110104	2013-11-04	81.0

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1343706	69	TBM2015030610	2015-03-16	111.6
1717413	69	TBM2015050302	2015-05-07	91.5
1747388	69	TBM2015051416	2015-05-05	79.9
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1678919	69	TBM2015071204	2015-07-21	82.3
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1746852	69	TBM2017091102	2017-09-15	82.8
3159019	69	TBM2017101411	2017-10-03	95.8
1791129	69	TBM2017110905	2017-11-15	86.1
2618344	69	TBM2018020103	2018-02-06	87.4
2620866	69	TBM2018021212	2018-02-07	81.5
2267989	69	TBM2018040401	2018-04-03	82.1
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2504237	69	TBM2018040508	2018-04-04	87.5
2636276	69	TBM2018051005	2018-05-03	89.5
2930869	69	TBM2018070206	2018-07-03	89.0
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2702003	69	TBM2018090709	2018-09-06	103.5
2825294	69	TBM2018090802	2018-09-14	84.9

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2810288	69	TBM2020070602	2020-07-09	85.5
2872692	69	TBM2020081206	2020-08-13	82.0
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1782549	69	TQM1997081802	1997-08-18	83.1
1793299	69	TQM1997081902	1997-08-19	84.0
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1745050	69	TQM1999060803	1999-06-08	84.5
1825529	69	TQM1999060803	1999-06-08	87.7
1825712	69	TQM1999060803	1999-06-08	84.4
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1767509	69	TQM1999081602	1999-08-16	80.4
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1820105	69	TQM2000021602	2000-02-16	79.6



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1790140	69	TQM2000092003	2000-09-20	85.5
1828554	69	TQM2000101803	2000-10-18	88.2
1760082	69	TQM2001050401	2001-05-22	80.2
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1816097	69	TQM2001110103	2001-11-07	85.8
1470668	69	TQM2001120104	2001-12-11	86.9
1473074	69	TQM2001120104	2001-12-11	89.4
1511228	69	TQM2001120104	2001-12-11	92.0
1766909	69	TQM2001120104	2001-12-11	84.6
3114490	69	TQM2001120104	2001-12-11	83.9
3120180	69	TQM2001120104	2001-12-11	86.5
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1574955	69	TQM2003090202	2003-09-10	82.6
1481502	69	TQM2003100301	2003-10-21	81.0
1775081	69	TQM2003110401	2003-11-24	88.3
1428102	69	TQM2004040204	2004-04-14	88.3
3199347	69	TQM2004040204	2004-04-14	82.0
1741243	69	TQM2004060401	2004-06-22	87.0
1444321	69	TQM2004060402	2004-06-22	88.0
1445564	69	TQM2004060402	2004-06-22	86.0
1510733	69	TQM2004060402	2004-06-22	81.7
1763905	69	TQM2004060402	2004-06-22	87.0
1794417	69	TQM2004060402	2004-06-22	82.5
1865064	69	TQM2004060402	2004-06-22	93.0
1935935	69	TQM2004060402	2004-06-22	90.0
1936773	69	TQM2004060402	2004-06-22	81.8
1948241	69	TQM2004060402	2004-06-22	81.5
1952867	69	TQM2004060402	2004-06-22	82.1
1779456	69	TQM2004080303	2004-08-24	83.1
1844628	69	TQM2004080303	2004-08-24	84.3

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1831136	69	TQM2005020302	2005-02-16	91.0
1840317	69	TQM2005020302	2005-02-16	86.5
1844547	69	TQM2005020302	2005-02-16	90.0
1442257	69	TQM2005040301	2005-04-20	90.0
1838136	69	TQM2005040301	2005-04-20	87.6
1973013	69	TQM2005040303	2005-04-20	81.5
1833240	69	TQM2005050101	2005-05-02	79.1
1839714	69	TQM2005060402	2005-06-28	86.0
1778093	69	TQM2005070401	2005-07-26	81.9
1792562	69	TQM2005080201	2005-08-16	79.5
1800234	69	TQM2005110104	2005-11-02	86.3
1582626	69	TQM2006030203	2006-03-07	86.0
1763788	69	TQM2006030203	2006-03-07	79.3
1835413	69	TQM2006030203	2006-03-07	88.9
1535784	69	TQM2006050301	2006-05-23	83.7
1887363	69	TQM2006060304	2006-06-14	79.5
1845126	69	TQM2006080301	2006-08-15	81.0
1814309	69	TQM2006090303	2006-09-26	95.5
1826930	69	TQM2007010402	2007-01-30	88.0
1827599	69	TQM2007010402	2007-01-30	81.9
1852931	69	TQM2007010402	2007-01-30	82.3
1798471	69	TQM2007040402	2007-04-24	91.0
1606418	69	TQM2007040403	2007-04-24	82.0
1543278	69	TQM2007050301	2007-05-14	83.0
1610499	69	TQM2007050303	2007-05-14	87.8
1761010	69	TQM2007050402	2007-05-16	79.1
1831596	69	TQM2007050402	2007-05-16	90.0
1866193	69	TQM2007050402	2007-05-16	89.0
1872344	69	TQM2007050402	2007-05-16	82.5
1877412	69	TQM2007050402	2007-05-16	90.1
1880757	69	TQM2007050402	2007-05-16	80.0
2093220	69	TQM2007050402	2007-05-16	87.8
1587481	69	TQM2007060204	2007-06-12	88.7
1812107	69	TQM2007080201	2007-08-15	83.3
1840354	69	TQM2007080201	2007-08-15	87.0
1904089	69	TQM2008040403	2008-04-15	82.6
2124722	69	TQM2008050205	2008-05-06	81.3
1804815	69	TQM2008050301	2008-05-12	86.8
1805255	69	TQM2008050301	2008-05-12	79.3
1882380	69	TQM2008050301	2008-05-12	84.5
1909014	69	TQM2008050301	2008-05-12	91.0
1463716	69	TQM2008050302	2008-05-12	84.0
1827119	69	TQM2008050302	2008-05-12	82.0
1404273	69	TQM2008080204	2008-08-13	90.7
1493203	69	TQM2008100102	2008-10-01	80.3
1500706	69	TQM2008100201	2008-10-06	81.4
1740881	69	TQM2008100201	2008-10-06	86.2
1845738	69	TQM2008100201	2008-10-06	79.3
1543435	69	TQM2008110204	2008-11-05	86.0
1847400	69	TQM2008110204	2008-11-05	87.0
1442038	69	TQM2008110302	2008-11-12	81.5
1450065	69	TQM2008120105	2008-12-01	82.4

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1459254	69	TQM2008120105	2008-12-01	80.1
1814404	69	TQM2008120303	2008-12-08	92.2
1840006	69	TQM2009010201	2009-01-14	91.0
1441916	69	TQM2009010203	2009-01-14	79.5
1520176	69	TQM2009010203	2009-01-14	80.0
2181314	69	TQM2009030301	2009-03-17	83.8
2127457	69	TQM2009040203	2009-04-06	80.0
1762403	69	TQM2009080102	2009-08-12	81.0
1846353	69	TQM2009080303	2009-08-24	87.2
1849083	69	TQM2009090302	2009-09-17	84.5
1767522	69	TQM2009090303	2009-09-17	88.3
1850643	69	TQM2010020201	2010-02-10	80.5
1839099	69	TQM2010060304	2010-06-14	89.5
1415320	69	TQM2011020301	2011-02-24	85.5
1788571	69	TQM2011020301	2011-02-24	86.5
1839891	69	TQM2011020301	2011-02-24	81.0
1871858	69	TQM2011020301	2011-02-24	79.4
2126898	69	TQM2011020301	2011-02-24	86.0
2162923	69	TQM2011020301	2011-02-24	80.0
1865736	69	TQM2011030105	2011-03-03	82.0
2169179	69	TQM2011030403	2011-03-23	80.1
1836517	69	TQM2011080202	2011-08-17	87.6
1835047	69	TQM2011090203	2011-09-14	81.2
1774111	69	TQM2012020201	2012-02-16	80.9
1844915	69	TQM2012020201	2012-02-16	85.0
1848073	69	TQM2012020201	2012-02-16	82.5
2255030	69	TQM2012050101	2012-05-03	109.0
1772943	69	TQM2012060105	2012-06-07	80.0
1875791	69	TQM2012060105	2012-06-07	79.4
1814402	69	TQM2012070102	2012-07-16	89.4
1917714	69	TQM2012070303	2012-07-24	88.7
1494776	69	TQM2012110105	2012-11-01	85.2
1873677	69	TQM2012110105	2012-11-01	86.9
1901053	69	TQM2012110304	2012-11-14	86.7
1565420	69	TQM2012120202	2012-12-12	84.5
2284911	69	TQM2012120202	2012-12-12	80.0
1832316	69	TQM2012120302	2012-12-17	83.8
1528671	69	TQM2013030201	2013-03-12	86.1
1857284	69	TQM2013040201	2013-04-11	81.8
2330486	69	TQM2013050301	2013-05-15	82.3
1535597	69	TQM2013090203	2013-09-18	84.5
1556918	69	TQM2013100102	2013-10-02	83.5
2369132	69	TQM2013120402	2013-12-18	90.0
1786570	69	TQM2014020201	2014-02-12	79.2
1789476	69	TQM2014030201	2014-03-10	83.0
1837162	69	TQM2014030303	2014-03-18	82.0
1598147	69	TQM2014060201	2014-06-09	84.7
1770612	69	TQM2014060201	2014-06-09	86.0
1833591	69	TQM2014080103	2014-08-06	82.0
1496773	69	TQM2014080302	2014-08-20	80.0
1444303	69	TQM2014100102	2014-10-06	87.0
1856281	69	TQM2014100102	2014-10-06	79.3

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1470358	69	TQM2014110302	2014-11-12	84.5
1847185	69	TQM2015030101	2015-03-04	80.7
1874988	69	TQM2015030103	2015-03-04	82.5
1830039	69	TQM2015030205	2015-03-12	83.3
1515837	69	TQM2015030301	2015-03-18	81.4
1518849	69	TQM2015040303	2015-04-15	88.7
1563614	69	TQM2015040303	2015-04-15	89.2
1811288	69	TQM2015040303	2015-04-15	79.4
1814720	69	TQM2015040303	2015-04-15	79.5
1815504	69	TQM2015040303	2015-04-15	83.9
1828439	69	TQM2015040303	2015-04-15	83.8
1833629	69	TQM2015040303	2015-04-15	81.7
1841541	69	TQM2015040303	2015-04-15	80.9
1875299	69	TQM2015040303	2015-04-15	88.3
1875503	69	TQM2015040303	2015-04-15	80.4
1878034	69	TQM2015040303	2015-04-15	88.9
1442776	69	TQM2015070204	2015-07-02	86.6
1826379	69	TQM2015090202	2015-09-17	80.3
1565605	69	TQM2015110201	2015-11-02	82.6
1610713	69	TQM2016070801	2016-07-26	79.7
1839468	69	TQM2016120403	2016-12-09	81.4
1793903	69	TQM2017020601	2017-02-16	82.3
1804872	69	TQM2017030301	2017-03-07	79.4
1555492	69	TQM2017040104	2017-04-05	83.9
1605981	69	TQM2017040104	2017-04-05	88.2
1608633	69	TQM2017040104	2017-04-05	82.8
1805101	69	TQM2017040104	2017-04-05	82.2
1821301	69	TQM2017040104	2017-04-05	87.7
1847626	69	TQM2017040104	2017-04-05	87.0
1848592	69	TQM2017040104	2017-04-05	83.2
1851287	69	TQM2017040104	2017-04-05	83.6
2512783	69	TQM2017040402	2017-04-13	93.0
1756258	69	TQM2017080902	2017-08-24	84.4
1573443	69	TQM2017090602	2017-09-26	82.8
1761045	69	TQM2017100402	2017-10-18	83.7
1848858	69	TQM2017100402	2017-10-18	80.6
1847593	69	TQM2017110303	2017-11-08	80.5
2854569	69	TQM2018010103	2018-01-03	87.5
2855897	69	TQM2018020901	2018-02-22	84.3
2931996	69	TQM2018020901	2018-02-22	81.0
2650951	69	TQM2018030304	2018-03-07	87.8
2885718	69	TQM2018040401	2018-04-17	86.5
2885175	69	TQM2018060602	2018-06-19	82.2
1944119	69	TQM2018090205	2018-09-11	83.4
2898600	69	TQM2018090302	2018-09-13	81.5
2874253	69	TQM2018110201	2018-11-07	81.0
2873325	69	TQM2018120304	2018-12-10	81.5
2633138	69	TQM2019030702	2019-03-21	81.2
2876330	69	TQM2019030702	2019-03-21	80.1
1956639	69	TQM2019050701	2019-05-23	79.5
1960512	69	TQM2019050701	2019-05-23	80.5
1963054	69	TQM2019050701	2019-05-23	84.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2495151	69	TQM2019050701	2019-05-23	81.3
2497135	69	TQM2019050701	2019-05-23	82.2
2498314	69	TQM2019050701	2019-05-23	80.8
2632363	69	TQM2019050701	2019-05-23	86.5
2632999	69	TQM2019050701	2019-05-23	85.8
2819048	69	TQM2019050701	2019-05-23	80.7
2836282	69	TQM2019050701	2019-05-23	79.8
2869983	69	TQM2019050701	2019-05-23	89.9
2874309	69	TQM2019050701	2019-05-23	82.5
2909657	69	TQM2019050701	2019-05-23	81.2
2871076	69	TQM2019050702	2019-05-23	84.0
2898508	69	TQM2019080301	2019-08-13	82.5
1967461	69	TQM2019120301	2019-12-11	82.1
2489390	69	TQM2019120301	2019-12-11	85.0
2557595	69	TQM2019120301	2019-12-11	84.5
2937689	69	TQM2019120301	2019-12-11	87.0
2880884	69	TQM2019120303	2019-12-11	81.0
2591735	69	TQM2020020101	2020-02-04	79.9
2656396	69	TQM2020090301	2020-09-14	80.3
2597477	69	TQM2020120604	2020-12-17	79.6
2928862	69	WWM2004060102	2004-06-17	83.7

**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: **NA**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2699198	69	TBM1989110707	1989-11-07	2892
2733962	69	TBM1989110710	1989-11-07	4438
1998338	69	TBM1989110713	1989-11-07	2895
1998589	69	TBM1989110717	1989-11-07	2820
2736258	69	TBM1989110718	1989-11-07	6480
2845028	69	TBM1995100306	1995-10-03	7488
1995734	69	TBM1996111206	1996-11-12	3512
2135140	69	TBM1997070712	1997-07-07	4477
2864863	69	TBM1997100722	1997-10-07	2817
2205395	69	TBM1997102003	1997-10-20	2544
2557243	69	TBM1998061804	1998-06-18	2099
2124359	69	TBM1998110406	1998-11-04	3445
2596022	69	TBM1998111902	1998-11-19	6561
2873346	69	TBM1999121414	1999-12-14	5748
1967912	69	TBM2001010714	2001-01-26	13568
2095530	69	TBM2001091301	2001-09-20	8820
1945688	69	TBM2002090805	2002-09-06	2518
1985104	69	TBM2002100302	2002-10-01	2655
2097544	69	TBM2003021611	2003-02-19	6128
2273220	69	TBM2004100204	2004-10-01	2585
2283538	69	TBM2006111002	2006-11-09	4597
2562213	69	TBM2007111007	2007-11-02	2236
2234957	69	TBM2008011202	2008-01-10	3882
2294736	69	TBM2008020401	2008-02-14	17708
2291264	69	TBM2008040406	2008-04-14	2532
2260430	69	TBM2008050606	2008-05-08	2236
2262822	69	TBM2008061105	2008-06-05	2432
2275883	69	TBM2008081002	2008-08-25	6236
2299936	69	TBM2008081305	2008-08-26	2051
2291729	69	TBM2008091102	2008-09-08	2376
2320940	69	TBM2008120803	2008-12-05	2181
2290555	69	TBM2009051005	2009-05-07	2457
2541501	69	TBM2009100505	2009-10-08	2180
2602714	69	TBM2009100601	2009-10-06	2562
2245479	69	TBM2010030805	2010-03-04	3802
2296108	69	TBM2010040602	2010-04-07	2057
2625332	69	TBM2010051304	2010-05-19	2816
2563671	69	TBM2010051308	2010-05-19	2327
2246644	69	TBM2010070405	2010-07-08	2465
2245912	69	TBM2010091403	2010-09-20	2865
2260780	69	TBM2010100201	2010-10-05	3569
2472660	69	TBM2011071406	2011-07-25	4177
2608886	69	TBM2012010203	2012-01-04	2633
2638308	69	TBM2012100304	2012-10-22	2416
2155943	69	TBM2012110405	2012-11-05	2062
2689837	69	TBM2012121002	2012-12-10	3349

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2220434	69	TBM2013010803	2013-01-09	3838
2503091	69	TBM2013020615	2013-02-18	2943
2763119	69	TBM2013050702	2013-05-21	2195
2731508	69	TBM2013050806	2013-05-15	2092
2660754	69	TBM2013060701	2013-06-11	2917
2511952	69	TBM2013070208	2013-07-03	2110
2661723	69	TBM2013090508	2013-09-11	4710
2502945	69	TBM2013091302	2013-09-23	2114
2643478	69	TBM2013110103	2013-11-04	2734
2667158	69	TBM2013120802	2013-12-11	7117
2916983	69	TBM2013120803	2013-12-11	8085
2682071	69	TBM2014070408	2014-07-07	2530
1962100	69	TBM2014110102	2014-11-03	3458
2512144	69	TBM2014110123	2014-11-03	2947
2683099	69	TBM2014110404	2014-11-12	3094
2669316	69	TBM2015010217	2015-01-15	2579
2742417	69	TBM2015021301	2015-02-12	2409
1970650	69	TBM2015030609	2015-03-16	5534
2658302	69	TBM2015071501	2015-07-09	2546
2732115	69	TBM2015090704	2015-09-03	2509
2668453	69	TBM2015091507	2015-09-24	2384
2387399	69	TBM2015110406	2015-11-09	2873
1966746	69	TBM2016091502	2016-09-09	5230
2513891	69	TBM2016111003	2016-11-02	2704
2285757	69	TBM2017100804	2017-10-10	2535
2399780	69	TBM2017110802	2017-11-01	2915
2344084	69	TBM2018080207	2018-08-07	4536
2339738	69	TBM2018101403	2018-10-08	2095
2660361	69	TBM2019080306	2019-08-05	2215
2731801	69	TBM2019120315	2019-12-10	5040
2321069	69	TBM2020031201	2020-03-03	3530
2681618	69	TBM2020031213	2020-03-03	2323
2391555	69	TBM2020081206	2020-08-13	3017
2732509	69	TBM2020121111	2020-12-09	3591
2444735	69	TBM2020121112	2020-12-09	5275
3311162	129	1	2001-03-27	2260
3078110	129	1	2010-07-22	2547
2067558	129	1	2011-02-17	3920
2069469	129	1	2011-02-17	2152
2087938	129	1	2011-02-17	4719
3083586	129	10	2003-09-16	2248
3224394	129	10	2011-02-16	2304
3210854	129	10	2011-03-16	3208
3222508	129	10	2011-03-16	5196
3223083	129	10	2011-03-16	2156
3227235	129	10	2011-03-16	5000
3217858	129	10	2014-03-21	3894
3252762	129	10	2020-10-06	9999
3255904	129	10	2022-03-29	2316
3127240	129	11	2008-12-16	9999
3131519	129	11	2008-12-16	9999
3132398	129	11	2009-01-14	9999

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3133691	129	11	2009-01-14	9999
3134497	129	11	2009-01-14	9999
3136132	129	11	2009-01-14	9999
3135422	129	11	2009-06-17	9999
3192061	129	12	2009-02-25	9999
3207001	129	13	2017-06-15	2391
2367614	129	2	2009-07-22	3790
2403238	129	2	2009-11-19	9999
2395224	129	3	2002-04-16	2541
2796596	129	3	2009-04-21	9999
3090246	129	3	2018-12-13	9999
3098270	129	3	2019-09-11	9999
3093840	129	3	2020-12-02	9999
3086048	129	3	2021-03-11	9999
3222115	129	4	2009-03-17	9999
3239567	129	4	2011-02-16	2229
3243590	129	4	2011-02-16	2315
3245536	129	4	2011-02-16	3742
3238852	129	4	2011-08-24	11347
3242904	129	4	2011-08-24	3845
3263863	129	4	2021-09-10	2325
3278883	129	5	2003-03-19	4825
3281657	129	5	2003-03-19	2802
3287852	129	5	2003-03-19	6147
3288452	129	5	2003-03-19	2083
2103310	129	5	2010-01-20	5068
2100724	129	5	2011-02-16	2876
2101567	129	5	2011-02-16	3924
2130344	129	5	2011-02-16	4690
2468992	129	6	2011-02-15	3822
2662798	129	6	2020-03-18	9999
3177535	129	7	2011-05-18	4441
3186219	129	7	2011-05-18	2831
3230224	129	8	2005-10-18	2547
3225207	129	8	2006-02-23	4052
3232566	129	8	2007-09-26	4352
3232708	129	8	2007-09-26	5798
3233454	129	8	2007-09-26	3976
3233731	129	8	2007-10-23	3662
3235912	129	8	2007-10-23	2322
3236243	129	8	2007-10-23	8009
3237558	129	8	2007-10-23	2349
3238860	129	8	2007-10-23	6106
3233308	129	8	2008-06-19	2299
3233127	129	8	2008-07-16	2672
3233324	129	8	2008-07-16	2239
3233944	129	8	2008-07-16	2291
3235924	129	8	2008-08-19	3278
3236632	129	8	2008-09-17	2356
3233318	129	8	2008-10-15	2213
3242126	129	8	2009-06-17	2124
3267253	129	8	2009-11-17	2076



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3271229	129	8	2010-06-15	2369
3271705	129	8	2011-02-16	5772
3272810	129	8	2011-02-16	4436
3273368	129	8	2011-02-16	4888
3274449	129	8	2011-02-16	3584
3275515	129	8	2011-02-16	5260
3286430	129	8	2011-05-18	2524
3286694	129	8	2011-05-18	3228
3287617	129	8	2011-05-18	4740
3292272	129	8	2012-05-17	2277
3298605	129	8	2014-09-17	5112
3299158	129	8	2014-09-17	2881
3298193	129	8	2016-06-08	3248
3293624	129	8	2018-09-12	2174
3296450	129	8	2018-09-12	2800
3302378	129	8	2020-06-10	3230
3299136	129	8	2021-06-15	2807
3295661	129	8	2021-09-07	3116
3301783	129	8	2021-09-07	3553
3309470	129	8	2022-03-29	9999
3305203	129	8	2022-09-13	4087
3307221	129	8	2022-09-13	2431
3309574	129	8	2022-09-13	2339
3313322	129	9	2001-02-21	2529
2000372	129	9	2004-08-26	2198
2000565	129	9	2005-12-14	3097
2024448	129	9	2008-09-17	3450
2025010	129	9	2008-09-17	2410
2025050	129	9	2008-09-17	2599
2026846	129	9	2008-09-17	2146
2031770	129	9	2009-08-24	2210
2037750	129	9	2009-08-24	2130
2032057	129	9	2011-02-16	8224
2033127	129	9	2011-02-16	4292
2034238	129	9	2011-02-16	5616
2034610	129	9	2011-02-16	5940
2024938	129	9	2011-03-16	4984
2035140	129	9	2011-03-16	5060
2076186	129	9	2014-07-11	5436
2219300	129	9	2016-09-28	2428
2262645	129	9	2016-09-28	2397
2207649	129	9	2017-06-13	2266
2222297	129	9	2017-09-20	5564
2227408	129	9	2017-09-20	4447
2286158	129	9	2017-09-20	5502
2299364	129	9	2017-09-20	4812
2314227	129	9	2018-09-12	2110
2430242	129	9	2021-09-07	2396
2434597	129	9	2021-09-07	2675
2446604	129	9	2021-09-07	2168
2415866	4043	FU-1-52-2007	2007-01-16	4104

**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

### Discrete - Nutrients

#### Ammonia- Un-ionized (NH3)

*Quantile Thresholds:*

High: 0.4778 Low: 0.00304

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

ProgramID	n	n_low	n_high
5028	2	1	1

#### Programs containing flagged data:

5028 - Charlotte Harbor Aquatic Preserves Monthly Water Quality Program

#### NH4 Filtered

*Quantile Thresholds:*

High: 5.73457 Low: -0.02564

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

ProgramID	n	n_low	n_high
5002	141	121	20
3	101	0	101

#### Programs containing flagged data:

5002 - Florida STORET / WIN

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

#### Nitrate (N)

*Quantile Thresholds:*

High: 0.79036 Low: 0

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

ProgramID	n	n_low	n_high
5002	20	0	20

#### Programs containing flagged data:

5002 - Florida STORET / WIN

## Nitrite (N)

*Quantile Thresholds:*

High: 0.074 Low: 0

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

ProgramID	n	n_low	n_high
5002	15	0	15
4054	10	0	10
5033	3	0	3

### Programs containing flagged data:

5002 - Florida STORET / WIN

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

5033 - Southeast Florida Water Quality Assessment Survey

## Nitrogen, organic

*Quantile Thresholds:*

High: 2.7 Low: 0.029

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

ProgramID	n	n_low	n_high
5002	13	6	7

### Programs containing flagged data:

5002 - Florida STORET / WIN

## NO2+3 Filtered

*Quantile Thresholds:*

High: 3.24035 Low: -0.00244

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

ProgramID	n	n_low	n_high
5002	135	133	2
3	129	0	129
476	1	0	1
4058	1	0	1

### Programs containing flagged data:

5002 - Florida STORET / WIN

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

476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

4058 - City of Miami Beach Water Monitoring

## PO4 Filtered

*Quantile Thresholds:*

High: 0.76862 Low: -0.007

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

ProgramID	n	n_low	n_high
5002	87	53	34
3	15	0	15
355	7	0	7
513	2	0	2

### Programs containing flagged data:

5002 - Florida STORET / WIN

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

## Total Kjeldahl Nitrogen TKN

*Quantile Thresholds:*

High: 5.21504 Low: 0

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

ProgramID	n	n_low	n_high
5002	107	23	84
303	3	0	3
5014	3	0	3
513	1	0	1

### Programs containing flagged data:

5002 - Florida STORET / WIN

303 - River, Estuary and Coastal Observing Network

5014 - Guana River and Guana Lake Water Quality Monitoring

513 - Coastal Charlotte Harbor Monitoring Network

## Total Nitrogen (All)

*Quantile Thresholds:*

High: 4.24607 Low: 7e-05

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

ProgramID	n	n_low	n_high
5002	130	17	113
514	63	63	0

ProgramID	n	n_low	n_high
513	32	30	2
103	9	9	0
303	3	0	3
479	2	0	2
4058	2	0	2
5014	2	0	2
297	1	1	0
476	1	0	1

**Programs containing flagged data:**

5002 - Florida STORET / WIN

514 - Florida LAKEWATCH Program

513 - Coastal Charlotte Harbor Monitoring Network

103 - EPA STOrage and RETrieval Data Warehouse (STORET)

303 - River, Estuary and Coastal Observing Network

479 - Southwest Florida Water Management District - Water Quality Monitoring

4058 - City of Miami Beach Water Monitoring

5014 - Guana River and Guana Lake Water Quality Monitoring

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

**Total Nitrogen (No calc)**

*Quantile Thresholds:*

High: 2.65613 Low: 6e-05

Table 19: Flagged data, overview by program for **Total Nitrogen (No calc)**

ProgramID	n	n_low	n_high
5002	50	0	50
514	32	31	1
303	12	0	12
513	11	9	2
103	9	9	0
479	6	0	6
10000	6	0	6
297	2	1	1
509	1	0	1
5058	1	0	1

**Programs containing flagged data:**

5002 - Florida STORET / WIN

514 - Florida LAKEWATCH Program

303 - River, Estuary and Coastal Observing Network

513 - Coastal Charlotte Harbor Monitoring Network

103 - EPA STOrage and RETrieval Data Warehouse (STORET)

479 - Southwest Florida Water Management District - Water Quality Monitoring

10000 - RiverKeeper

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
 509 - SERC Water Quality Monitoring Network  
 5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report

## Total Phosphorus

*Quantile Thresholds:*

High: 0.74004 Low: 0

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

ProgramID	n	n_low	n_high
5002	198	85	113
5033	17	17	0
103	7	0	7
513	6	0	6
355	3	0	3
5014	3	0	3
479	2	0	2

### Programs containing flagged data:

5002 - Florida STORET / WIN  
 5033 - Southeast Florida Water Quality Assessment Survey  
 103 - EPA STORage and RETrieval Data Warehouse (STORET)  
 513 - Coastal Charlotte Harbor Monitoring Network  
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
 5014 - Guana River and Guana Lake Water Quality Monitoring  
 479 - Southwest Florida Water Management District - Water Quality Monitoring

## Discrete - Water Clarity

### Chlorophyll a corrected for pheophytin

*Quantile Thresholds:*

High: 112 Low: 0

Table 21: Flagged data, overview by program for **Chlorophyll a corrected for pheophytin**

ProgramID	n	n_low	n_high
514	29	25	4
5002	26	1	25
103	3	0	3
540	3	0	3
5014	3	0	3
303	1	0	1
476	1	0	1
10000	1	0	1

### Programs containing flagged data:

514 - Florida LAKEWATCH Program  
 5002 - Florida STORET / WIN  
 103 - EPA STOrage and RETrieval Data Warehouse (STORET)  
 540 - Shellfish Harvest Area Classification Program  
 5014 - Guana River and Guana Lake Water Quality Monitoring  
 303 - River, Estuary and Coastal Observing Network  
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network  
 10000 - RiverKeeper

### Chlorophyll a uncorrected for pheophytin

*Quantile Thresholds:*

High: 119.6136 Low: 0

Table 22: Flagged data, overview by program for **Chlorophyll a uncorrected for pheophytin**

ProgramID	n	n_low	n_high
5002	39	0	39
103	26	26	0
514	16	0	16
95	12	0	12
5014	4	0	4
540	3	0	3
479	2	0	2
4054	1	0	1
10000	1	0	1

### Programs containing flagged data:

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

### Colored dissolved organic matter, CDOM

*Quantile Thresholds:*

High: 718.17 Low: 0

Table 23: Flagged data, overview by program for **Colored dissolved organic matter, CDOM**

ProgramID	n	n_low	n_high
4054	17	0	17
5002	5	0	5

### Programs containing flagged data:



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

### Light Extinction Coefficient

*Quantile Thresholds:*

High: 7.93948 Low: 0.001

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

ProgramID	n	n_low	n_high
297	24	11	13
5002	3	0	3
4064	1	1	0
5058	1	1	0

### Programs containing flagged data:

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
 5002 - Florida STORET / WIN  
 4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments  
 5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report

### Secchi Depth

*Quantile Thresholds:*

High: 15.2 Low: 0

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

ProgramID	n	n_low	n_high
5033	177	0	177
103	60	0	60
60	20	0	20
3013	7	0	7
479	4	0	4
5002	2	0	2
470	1	0	1
514	1	0	1
537	1	0	1
5026	1	0	1

### Programs containing flagged data:

5033 - Southeast Florida Water Quality Assessment Survey  
 103 - EPA STORage and RETrieval Data Warehouse (STORET)  
 60 - Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall & Summer Shrimp/Groundfish Survey  
 3013 - Seagrass (SJRWMD)  
 479 - Southwest Florida Water Management District - Water Quality Monitoring  
 5002 - Florida STORET / WIN  
 470 - St. Andrews Aquatic Preserve Water Quality Monitoring

514 - Florida LAKEWATCH Program  
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring  
 5026 - North Biscayne Bay Seagrass Loss Water Quality Program

### Total Suspended Solids, TSS

*Quantile Thresholds:*  
 High: 185.7824 Low: 0

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

ProgramID	n	n_low	n_high
5002	68	18	50
4054	8	0	8
5033	8	2	6
103	3	0	3
513	3	0	3

### Programs containing flagged data:

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

### Turbidity

*Quantile Thresholds:*  
 High: 127 Low: 0

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

ProgramID	n	n_low	n_high
103	233	11	222
303	34	11	23
297	29	29	0
5002	25	0	25
354	14	0	14
5026	10	9	1
469	5	5	0
505	2	2	0
95	1	0	1
4058	1	0	1

### Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)  
 303 - River, Estuary and Coastal Observing Network  
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
 5002 - Florida STORET / WIN  
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program

5026 - North Biscayne Bay Seagrass Loss Water Quality Program  
469 - Central Panhandle Aquatic Preserve WQ Monitoring  
505 - Pensacola Bay Water Quality Monitoring Program  
95 - Harmful Algal Bloom Marine Observation Network  
4058 - City of Miami Beach Water Monitoring

## Discrete - Water Quality

### Dissolved Oxygen

*Quantile Thresholds:*

High: 14.3 Low: 0.22

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

ProgramID	n	n_low	n_high
5002	849	563	286
69	402	42	360
4067	45	37	8
95	42	9	33
479	40	35	5
354	18	0	18
3001	18	14	4
129	15	0	15
3000	8	8	0
4058	7	1	6
4054	6	0	6
10000	5	5	0
118	4	4	0
4043	4	4	0
5014	4	3	1
297	3	1	2
469	3	0	3
3013	3	0	3
355	2	2	0
509	2	1	1
513	2	2	0
5058	2	2	0
103	1	0	1
470	1	0	1
537	1	1	0
540	1	0	1
557	1	0	1

### Programs containing flagged data:

5002 - Florida STORET / WIN  
69 - Fisheries-Independent Monitoring (FIM) Program  
4067 - Tampa Bay Benthic Monitoring  
95 - Harmful Algal Bloom Marine Observation Network  
479 - Southwest Florida Water Management District - Water Quality Monitoring  
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
3001 - Lagoon Watch (Formerly Marine Discovery Center)

129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring  
 3000 - Florida Keys Water Watch  
 4058 - City of Miami Beach Water Monitoring  
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program  
 10000 - RiverKeeper  
 118 - National Aquatic Resource Surveys, National Coastal Condition Assessment  
 4043 - RBNERR Fish Assessment  
 5014 - Guana River and Guana Lake Water Quality Monitoring  
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
 469 - Central Panhandle Aquatic Preserve WQ Monitoring  
 3013 - Seagrass (SJRWMD)  
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
 509 - SERC Water Quality Monitoring Network  
 513 - Coastal Charlotte Harbor Monitoring Network  
 5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report  
 103 - EPA STORage and RETrieval Data Warehouse (STORET)  
 470 - St. Andrews Aquatic Preserve Water Quality Monitoring  
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring  
 540 - Shellfish Harvest Area Classification Program  
 557 - Central Panhandle Aquatic Preserves Seagrass Monitoring

## Dissolved Oxygen Saturation

*Quantile Thresholds:*

High: 177.32268 Low: 0.30633

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

ProgramID	n	n_low	n_high
3001	127	109	18
5002	91	28	63
4067	31	0	31
297	12	0	12
129	6	0	6
3013	3	0	3
95	2	1	1
303	2	0	2
572	1	0	1
4064	1	0	1

## Programs containing flagged data:

3001 - Lagoon Watch (Formerly Marine Discovery Center)  
 5002 - Florida STORET / WIN  
 4067 - Tampa Bay Benthic Monitoring  
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
 129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring  
 3013 - Seagrass (SJRWMD)  
 95 - Harmful Algal Bloom Marine Observation Network  
 303 - River, Estuary and Coastal Observing Network

572 - Rookery Bay National Estuarine Research Reserve Seagrass Monitoring  
4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments

## pH

*Quantile Thresholds:*

High: 9.31 Low: 0.79

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

ProgramID	n	n_low	n_high
5002	592	400	192
69	215	2	213
557	64	5	59
3000	57	55	2
95	45	0	45
4067	23	14	9
303	18	0	18
469	14	0	14
354	13	0	13
479	10	0	10
355	7	0	7
129	4	1	3
3001	3	1	2
4058	2	0	2
103	1	0	1
470	1	0	1
476	1	0	1
3013	1	0	1
4065	1	0	1

### Programs containing flagged data:

5002 - Florida STORET / WIN  
69 - Fisheries-Independent Monitoring (FIM) Program  
557 - Central Panhandle Aquatic Preserves Seagrass Monitoring  
3000 - Florida Keys Water Watch  
95 - Harmful Algal Bloom Marine Observation Network  
4067 - Tampa Bay Benthic Monitoring  
303 - River, Estuary and Coastal Observing Network  
469 - Central Panhandle Aquatic Preserve WQ Monitoring  
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
479 - Southwest Florida Water Management District - Water Quality Monitoring  
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring  
3001 - Lagoon Watch (Formerly Marine Discovery Center)  
4058 - City of Miami Beach Water Monitoring  
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  
3013 - Seagrass (SJRWMD)  
4065 - Northwest Florida Aquatic Preserve Seagrass Survey

## Salinity

*Quantile Thresholds:*

High: 41.1 Low: 0

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

ProgramID	n	n_low	n_high
5002	290	2	288
95	126	0	126
69	110	0	110
4067	51	0	51
297	33	0	33
4049	27	0	27
509	19	0	19
3	16	0	16
118	16	0	16
3001	14	0	14
965	8	0	8
354	6	0	6
456	6	0	6
3000	4	0	4
3013	4	0	4
4057	3	0	3
4058	3	0	3
115	2	0	2
557	2	0	2
476	1	0	1
479	1	0	1
4043	1	0	1

### Programs containing flagged data:

5002 - Florida STORET / WIN

95 - Harmful Algal Bloom Marine Observation Network

69 - Fisheries-Independent Monitoring (FIM) Program

4067 - Tampa Bay Benthic Monitoring

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

4049 - The South Florida Fisheries Habitat Assessment Program (FHAP)

509 - SERC Water Quality Monitoring Network

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

118 - National Aquatic Resource Surveys, National Coastal Condition Assessment

3001 - Lagoon Watch (Formerly Marine Discovery Center)

965 - South Florida Seagrass Fish and Invertebrate Assessment Network

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

456 - Oyster Sentinel

3000 - Florida Keys Water Watch

3013 - Seagrass (SJRWMD)

4057 - Biscayne Bay Water Watch

4058 - City of Miami Beach Water Monitoring

115 - Environmental Monitoring Assessment Program

557 - Central Panhandle Aquatic Preserves Seagrass Monitoring

476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

479 - Southwest Florida Water Management District - Water Quality Monitoring  
4043 - RBNERR Fish Assessment

### Specific Conductivity

*Quantile Thresholds:*  
High: 60.69928 Low: 0

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

ProgramID	n	n_low	n_high
5002	339	0	339
4058	13	0	13
479	12	0	12
354	11	0	11
3013	5	0	5
4067	4	0	4
4044	2	0	2
103	1	0	1
355	1	0	1
572	1	0	1
10000	1	0	1

### Programs containing flagged data:

5002 - Florida STORET / WIN  
4058 - City of Miami Beach Water Monitoring  
479 - Southwest Florida Water Management District - Water Quality Monitoring  
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
3013 - Seagrass (SJRWMD)  
4067 - Tampa Bay Benthic Monitoring  
4044 - NRDA Oyster Cultch Recovery Project  
103 - EPA STorage and RETrieval Data Warehouse (STORET)  
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
572 - Rookery Bay National Estuarine Research Reserve Seagrass Monitoring  
10000 - RiverKeeper

### Water Temperature

*Quantile Thresholds:*  
High: 33.89 Low: 2.08

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

ProgramID	n	n_low	n_high
5002	1005	756	249
69	289	1	288
95	82	0	82
3001	76	6	70
297	32	1	31
3016	32	32	0

ProgramID	n	n_low	n_high
3000	16	3	13
3013	11	0	11
509	9	0	9
354	7	0	7
4054	7	1	6
479	6	0	6
965	6	0	6
103	5	0	5
4064	4	0	4
4067	4	0	4
129	3	0	3
4043	3	0	3
540	2	0	2
558	2	0	2
4058	2	0	2
5058	2	2	0
303	1	0	1
456	1	1	0
537	1	0	1
557	1	0	1
4044	1	1	0
4057	1	0	1
5008	1	0	1

**Programs containing flagged data:**

*5002* - Florida STORET / WIN  
*69* - Fisheries-Independent Monitoring (FIM) Program  
*95* - Harmful Algal Bloom Marine Observation Network  
*3001* - Lagoon Watch (Formerly Marine Discovery Center)  
*297* - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
*3016* - Lake Worth Lagoon Seagrass Mapping Project  
*3000* - Florida Keys Water Watch  
*3013* - Seagrass (SJRWMD)  
*509* - SERC Water Quality Monitoring Network  
*354* - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
*4054* - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program  
*479* - Southwest Florida Water Management District - Water Quality Monitoring  
*965* - South Florida Seagrass Fish and Invertebrate Assessment Network  
*103* - EPA STOrage and RETrieval Data Warehouse (STORET)  
*4064* - A spatial model to improve site selection for seagrass restoration in shallow boating environments  
*4067* - Tampa Bay Benthic Monitoring  
*129* - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring  
*4043* - RBNERR Fish Assessment  
*540* - Shellfish Harvest Area Classification Program  
*558* - Franklin County Coastal Waters Seagrass Monitoring  
*4058* - City of Miami Beach Water Monitoring  
*5058* - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report  
*303* - River, Estuary and Coastal Observing Network  
*456* - Oyster Sentinel  
*537* - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring



557 - Central Panhandle Aquatic Preserves Seagrass Monitoring  
4044 - NRDA Oyster Cultch Recovery Project  
4057 - Biscayne Bay Water Watch  
5008 - Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region

## Continuous

### Continuous - Water Quality

#### Dissolved Oxygen

*Quantile Thresholds:*

High: 13.4 Low: 0.1

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

ProgramID	n	n_low	n_high
355	12537	2313	10224
354	1795	578	1217
5077	1256	1003	253
512	851	446	405
468	144	2	142
5061	143	38	105
467	118	76	42
4054	96	96	0
471	78	1	77
474	45	18	27
5006	17	17	0
7	2	0	2
505	1	1	0

#### Programs containing flagged data:

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

#### Dissolved Oxygen Saturation

*Quantile Thresholds:*

High: 170.1 Low: 1.7

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

ProgramID	n	n_low	n_high
355	10333	7690	2643
354	4511	2697	1814

ProgramID	n	n_low	n_high
512	4254	1009	3245
5077	3893	413	3480
474	891	179	712
471	481	10	471
468	316	2	314
467	274	268	6
5061	233	43	190
4054	104	104	0
5006	60	60	0
505	1	1	0

**Programs containing flagged data:**

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

**pH**

*Quantile Thresholds:*

High: 9 Low: 5

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

ProgramID	n	n_low	n_high
355	15013	12183	2830
471	4572	0	4572
5061	4534	0	4534
512	377	60	317
474	367	13	354
468	277	2	275
4054	97	0	97
7	8	0	8

**Programs containing flagged data:**

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

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

## Salinity

*Quantile Thresholds:*  
High: 41.2 Low: 0

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

ProgramID	n	n_low	n_high
354	8965	0	8965
5062	6040	6040	0
5061	3602	0	3602
474	1000	0	1000
355	208	0	208
7	74	0	74
4054	13	1	12
5006	9	0	9

## Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
5062 - FDEP Bureau of Survey and Mapping Continuous Water Quality Program  
5061 - St. Johns River Water Management District Continuous Water Quality Programs  
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring  
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
7 - National Water Information System  
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program  
5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring

## Water Temperature

*Quantile Thresholds:*  
High: 33.8 Low: 7.9

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

ProgramID	n	n_low	n_high
471	11143	10054	1089
355	10668	10333	335
354	9754	50	9704
5	8661	2436	6225
5062	5485	5485	0
474	5420	160	5260
4054	5158	2143	3015
296	2954	0	2954
468	2676	2005	671
5006	1317	1316	1
512	1200	249	951
467	1089	1089	0
5077	361	0	361

ProgramID	n	n_low	n_high
986	306	0	306
5005	294	0	294
5061	151	148	3
989	104	1	103
10003	51	0	51
7	46	0	46
505	9	8	1
2	5	0	5

#### Programs containing flagged data:

471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring  
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
 5 - National Data Buoy Center  
 5062 - FDEP Bureau of Survey and Mapping Continuous Water Quality Program  
 474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring  
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program  
 296 - Florida Keys National Marine Sanctuary Seagrass Monitoring Project  
 468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring  
 5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring  
 512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring Program  
 467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring  
 5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring  
 986 - Water Temperature on Coral Reefs in the Florida Keys  
 5005 - Indian River Lagoon Aquatic Preserves Continuous Water Quality Monitoring  
 5061 - St. Johns River Water Management District Continuous Water Quality Programs  
 989 - Continuous Bottom Temperature Measurements along the Florida Reef Tract  
 10003 - Tomoka Marsh Aquatic Preserve Continuous Water Quality Monitoring  
 7 - National Water Information System  
 505 - Pensacola Bay Water Quality Monitoring Program  
 2 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array

#### Continuous - Water Clarity

##### Turbidity

*Quantile Thresholds:*

High: 533 Low: -1

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

ProgramID	n	n_low	n_high
355	11257	5895	5362
4054	5808	4647	1161
512	4035	0	4035
354	3364	2006	1358
471	376	0	376
5006	223	0	223
467	88	0	88
468	84	0	84

ProgramID	n	n_low	n_high
474	36	0	36
10003	35	0	35
473	25	0	25

**Programs containing flagged data:**

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