# Electronic Data & The Water Code

**The Water Code**:

13166. The state board, with the assistance of the regional boards, shall prepare and implement a statewide water quality information storage and retrieval program. Such program shall be coordinated and integrated to the maximum extent practicable with data storage and retrieval programs of other agencies.

# SWAMP Electronic Data Format

**SWAMP**
**(Surface Water Ambient Monitoring Program)**

To integrate and coordinate existing water quality monitoring activities of the Water Boards and other Monitoring Programs :*"coordinate a statewide framework of high quality, consistent, and scientifically defensible methods and strategies to improve the monitoring, assessment, and reporting of California's water quality."*

# Why was Electronic Data Submittal Incorporated?

Our promise to the public:

-Public Access to Monitoring Data within
A Reasonable Time-Frame

Internal Necessity:
-Rapid Assessment of Data
-Faster Response to Water Quality
Monitoring Reports

# The Irrigated Lands Conditional Waiver Program

## Under the Programmatic Goal of a Long-term Effort to Address Water Quality Issues from Agricultural Discharges:

Consolidation of all monitoring efforts in a consistent electronic format.

Use the same format as required by the Prop 50 Agricultural Grants and others (Ex. 319, Prop 40,13).

Provide Tools and Assistance to Stakeholders to ease Data Management and Flow from Field to Report Submission.

Coordinate with other state-wide entities, agencies, and stakeholders.

Meet the state-wide consistency goals.

# What was the Previous Requirement ?

*There is no requirement for Electronic Data Deliverables (EDDs) at this time.

*The Previous MRPs state:

"*In reporting monitoring data, the Coalition Groups shall arrange the data in tabular form so that the required information is readily discernible. The data shall be summarized in a manner to clearly illustrate compliance with the Coalition Group Conditional Waiver.*"

# What is the New Language ?

*The Tentative MRPs state:

*"In reporting monitoring data, the Coalition Groups shall arrange the data in tabular form so that the required information is readily discernible.* ***An example table for providing tabulated monitoring results is provided in MRP Attachment C.*** *The data shall be summarized in a manner to clearly illustrate compliance with the Coalition Group Conditional Waiver."*

# What is the New Language ?

*The Tentative MRPs state:

*"Electronic submittal of the corresponding field and laboratory data shall be included within each monitoring report. The data must be submitted in a SWAMP comparable format. The data must include all sample results as well as field and laboratory quality control results, including toxicity analysis replicates and in-test water quality parameters. Prior to submission, the data shall be reviewed by the Coalition Group and determined to be free of errors and meeting the project quality assurance acceptance guidelines outlined in the Coalition Group QAPP."*

# Where is this Guideline in the Tentative M.R.P.s ?

TENTATIVE MONITORING AND REPORTING PROGRAM
ORDER NO. R5-2005-____
FOR COALITION GROUPS UNDER
ORDER NO. R5-2005-____
COALTION GROUP CONDITIONAL WAIVER OF
WASTE DISCHARGE REQUIREMENTS
FOR DISCHARGES FROM IRRIGATED LANDS



Copies of all field documentation and laboratory original data must be included in the monitoring reports as attachments. The monitoring reports need to provide information on field conditions at sampling times including a description of the weather, rainfall, temperature, stream flow, color of the water, odor, and other relevant information that can help in data interpretation. The monitoring reports must also document the results of water quality monitoring, describe actions taken to correct water quality impairments and nuisance conditions, and identify future actions necessary to improve and protect water quality.

In reporting monitoring data, the Coalition Groups shall arrange the data in tabular form so that the required information is readily discernible. An example table for providing tabulated monitoring results is provided in **MRP Attachment C**. The data shall be summarized in such a manner to clearly illustrate compliance with the Coalition Group Conditional Waiver.

Electronic submittal of the corresponding field and laboratory data shall be included within each monitoring report. The data must be submitted in a SWAMP comparable format. The data must include all sample results as well as field and laboratory quality control results, including toxicity analysis replicates and in-test water quality parameters. Prior to submission, the data shall be reviewed by the Coalition Group and determined to be free of errors and meeting the project quality assurance acceptance guidelines outlined in the Coalition Group QAPP.

A transmittal letter shall accompany each report. This letter shall include a discussion of any violations of the Coalition Group Conditional Waiver found during the reporting period, and actions taken or planned to correct noted violations, such as operational, field or facility modifications. If the Coalition Group has previously submitted an Exceedance, Communication, or Evaluation Report describing actions and/or a time schedule to implement corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall be signed and contain a penalty of perjury statement by the Coalition Group, or the Coalition Group's authorized agent. This statement shall state:

> *"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment for violations."*

The Executive Officer may request the Coalition Group and/or its member Dischargers to take additional actions if monitoring data shows exceedances of receiving water limitations in surface waters. The Executive Officer may also increase the monitoring requirements where monitoring results, pesticide use patterns, or other indicators suggest that the increase is warranted.

Based on results of the monitoring program after a minimum of one year, the Coalition Group may submit a revised MRP Plan and/or Long-Term Monitoring Strategy requesting a reduction in the constituents monitored and/or sample frequency. If such reductions are warranted, the revised MRP Plan may be approved by the Executive Officer.

Tentative

Ex: Page 14. Coalition Group M.R.P.

Section III. Reporting Requirements.

Sub-Section C. Monitoring Reports

Paragraph 3.

The Modified Guideline for Reporting Tabulated Data is Immediately Above the New Electronic Data Submission Guideline

# The Tabulated Data

-Attachment C of the Draft MRP was added as an example for how the Regional Board Staff would like to see data within the hard-copy Monitoring Report.

- -Example: an Excel table summarizing laboratory reports inserted into the document.

-Staff are currently putting together an example table that is more easily put together directly from SWAMP formatted data.

## MRP Attachment C: Example Table for Providing Tabulated Monitoring Results

| # | Location | Date | Time | Sample Identification | Constituent | Detection Result | Reporting Limit | Units | Receiving Water Limitation | Lowest LC50 for Fresh Water Organisms (ug/L) | Exceedance Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Spill A | 7/14/04 | 11:05 | Field Parameter | Temperature | | | C | | | |
| 3 | | | 11:05 | Field Parameter | Electrical Conductivity | | | uS/cm | 150 | | |
| 6 | | | 11:05 | Field Parameter | Dissolved Oxygen | | | mg $O_2$/L | 8 | | High number I) |
| 7 | | | 11:05 | Field Parameter | pH | | | units | 6.8-8.5 | | |
| 8 | | | 11:15 | Equipment Blank | Glyphosate | | 5 | ug/L | 700 | | |
| 9 | | | 11:37 | WD1 | Triclopyr | | 0.5 | ug/L | | | |
| 10 | | | 11:52 | HF HS 1 | Bromacil | | 0.5 | ug/L | | | |
| 11 | | | 11:52 | HF HS 2 | Diuron | | 0.5 | ug/L | 14 | | |
| 12 | | | 11:56 | HF HS 3 | Glyphosate | | 5 | ug/L | 130 | | |
| 13 | | | 11:59 | HF HS 4 | Oxyflourfen | | 0.5 | ug/L | | | |
| 14 | | | 12:01 | HF HS 5 | Triclopyr | | 0.5 | ug/L | | | |
| 15 | | | 12:03 | HF HS 6 | Pendimethalin | | 0.5 | ug/L | | | |
| 16 | | | 12:05 | HF HS 7 | TDS | | 10 | mg/L | 100 | | |
| 17 | | | 12:05 | HF HS 8 | Turbidity | | 0.5 | NTU | 1 | | |
| 18 | | | 12:07 | HF HS 9 | TKN | | 500 | ug/L | | | |
| 20 | | | 12:09 | HF HS 11 | Potassium | | 500 | ug/L | | | |
| 21 | | | 12:11 | HF HS 12 | TOC | | 0.30 | ug/L | | | |
| 1 | Creek B | 7/14/04 | 12:45 | Field Parameter | Temperature | | | C | | | |
| 3 | | | 12:45 | Field Parameter | Electrical Conductivity | | | uS/cm | 150 | | |
| 6 | | | 12:45 | Field Parameter | Dissolved Oxygen | | | mg $O_2$/L | 8 | | |
| 7 | | | 12:45 | Field Parameter | pH | | | Units | 6.8-8.5 | | |
| 8 | | | 12:55 | WD-2 | Pendimethalin | | 0.5 | ug/L | | | |
| 9 | | | 12:56 | WD-3 | TDS | | 10 | mg/L | 100 | | |
| 10 | | | 13:05 | HF CM 1 | Bromacil | | 0.5 | ug/L | | | |
| 11 | | | 13:05 | HF CM 2 | Diuron | | 0.5 | ug/L | 14 | | |
| 12 | | | 13:06 | HF CM 3 | Glyphosate | | 5 | ug/L | 130 | | |
| 13 | | | 13:07 | HF CM 4 | Oxyflourfen | | 0.5 | ug/L | | | |
| 14 | | | 13:08 | HF CM 5 | Triclopyr | | 0.5 | ug/L | | | |
| 15 | | | 13:10 | HF CM 6 | Pendimethalin | | 0.5 | ug/L | | | |
| 16 | | | 13:12 | HF CM 7 | TDS | | 10 | mg/L | 100 | | |
| 17 | | | 13:12 | HF CM 8 | Turbidity | | 0.5 | NTU | 1 | | |
| 18 | | | 13:14 | HF CM 9 | TKN | | 500 | ug/L | | | |
| 20 | | | 13:15 | HF CM 11 | Potassium | | 500 | ug/L | | | |
| 21 | | | 13:17 | HF CM 12 | TOC | | 0.30 | ug/L | | | |

**Exceedances and Commnets**

I) High number, check the sampling point, maybe it should be taken before the spill to reduce aeration effect on the sample.

# What Does the SWAMP Format Look Like and How is it Different from the Previous Requirement?

**Example Table: One Sampling Location Chemistry Analysis (Table 1. Of the Draft MRP)**

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LabSampleID | StationCode | EventType | SampleDate | SampleTime | SampleTypeCode | SampleReplicate | DepthSampleCollection | DepthUnit | ProjectID | Season | AgencyCode | FailureReason | SampleCommunity | Preparation | PreparationDate | DigestExtractMethod | DigestExtractDate | LabBatch | AnalysisDate | SampleID | LabReplicate | MatrixName | MethodName | AnalyteName | FractionName | Unit | Basis | Result | ResultQualCode | SigFig | MDL | RL |
| 2 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_COL | 01/Jan/2006 | XXXX | 1 | samplewater | SM2120B | Color | None | Units | uu | -5 | ND | 1 | 5 | 5 |
| 3 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TURB | 01/Jan/2006 | XXXX | 1 | samplewater | SM2130B | Turbidity | None | NTU | uu | -1 | ND | 1 | 1 | 1 |
| 4 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TDS | 01/Jan/2006 | XXXX | 1 | samplewater | SM2540C | Total Dissolved Solids | Total | mg/L | uu | -10 | ND | 1 | 10 | 10 |
| 5 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TOC | 01/Jan/2006 | XXXX | 1 | samplewater | SM5310C | Total Organic Carbon | Total | mg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 6 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Aldicarb | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 7 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Carbaryl | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 8 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Carbofuran | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 9 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Methiocarb | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 10 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Methomyl | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 11 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Oxamyl | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 12 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | DDD | None | µg/L | uu | -0.02 | ND | 1 | 0.02 | 0.02 |
| 13 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | DDE | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 14 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | DDT | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 15 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | Dicofol | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 16 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | Dieldrin | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 17 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | Endrin | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 18 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | samplewater | EPA608 | Methoxychlor | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 19 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Azinphos-methyl | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 20 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Chlorpyrifos | None | µg/L | uu | -0.02 | ND | 1 | 0.02 | 0.02 |
| 21 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Diazinion | None | µg/L | uu | -0.02 | ND | 1 | 0.02 | 0.02 |
| 22 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Dichlorvos | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 23 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Dimethoate | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 24 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Dimetnan-s | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 25 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Dirulfotan | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 26 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Malathion | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 27 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Methamidophos | None | µg/L | uu | -0.2 | ND | 1 | 0.2 | 0.2 |
| 28 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Methidathion | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 29 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Parathion-methyl | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 30 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Phorate | None | µg/L | uu | -0.2 | ND | 1 | 0.2 | 0.2 |
| 31 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8141A | Phormet | None | µg/L | uu | -0.2 | ND | 1 | 0.2 | 0.2 |
| 32 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Bifenthrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 33 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Cyfluthrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 34 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Cypermethrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 35 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Deltamethrin | None | µg/L | uu | -0.08 | ND | 1 | 0.08 | 0.08 |
| 36 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Esfenvalerate | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 37 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Fenpropathrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 38 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Lambda-cyhalothrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 39 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8270C | Permethrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 40 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_619 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA619 | Atrazine | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 41 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_619 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA619 | Cyanazine | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 42 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_8321 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Diuron | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 43 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_547 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA547 | Glyphosphate | None | µg/L | uu | -10 | ND | 1 | 10 | 10 |
| 44 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_8321 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA8321 | Linuron | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 45 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_634 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA634 | Malinate | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 46 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_549.1 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA549.1 | Paraquat dichloride | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 47 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_619 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA619 | Simazine | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 48 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SMXXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_634 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA634 | Thiobencarb | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 49 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Arsenic | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 50 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Barium | Total | µg/L | uu | -10 | ND | 1 | 10 | 10 |
| 51 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Cadmium | Total | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 52 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Copper | Total | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 53 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Lead | Total | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 54 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Nickel | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 55 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Selenium | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 56 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Zinc | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 57 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_BACTI | 01/Jan/2006 | XXXX | 1 | samplewater | SM9221B/F | Fecal Coliform | None | MPN | uu | -2 | ND | 1 | 2 | 2 |
| 58 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TKN | 01/Jan/2006 | XXXX | 1 | samplewater | EPA351.2 | Total Kjeldahl Nitrogen | Total | µg/L | uu | -500 | ND | 1 | 500 | 500 |
| 59 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_NO3 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA300.1 | Nitrate as Nitrogen | None | µg/L | uu | -50 | ND | 1 | 50 | 50 |
| 60 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_NO2 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA300.0 | Nitrite as Nitrogen | None | µg/L | uu | -50 | ND | 1 | 50 | 50 |
| 61 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_NH3 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA350.1 | Total Ammonia | None | µg/L | uu | -100 | ND | 1 | 100 | 100 |
| 62 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_HARD | 01/Jan/2006 | XXXX | 1 | samplewater | EPA200.7 | Hardness (CaCO3) | None | µg/L | uu | -10000 | ND | 1 | 10000 | 10000 |
| 63 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TPHOS | 01/Jan/2006 | XXXX | 1 | samplewater | EPA365.1 | Total Phosphorous | Total | µg/L | uu | -50 | ND | 1 | 50 | 50 |
| 64 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SMXXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_OPO4 | 01/Jan/2006 | XXXX | 1 | samplewater | EPA300.0 | Soluble Orthophosphate | Total | µg/L | uu | -50 | ND | 1 | 50 | 50 |

# What Does the SWAMP Format Look Like and How is it Different from the Previous Requirement?

***What is Collected/Recorded**

The collection of base information to scientifically defend each sample taken and each sample analyzed.

The recording of all sample results as well as field and laboratory quality control results, including toxicity analysis replicates and in-test water quality parameters. This allows:

- The determination of Quality Objectives
- Independent, programmatic and state-wide levels of data analysis.

**The ultimate goal being: scientifically defensible, consistently formatted, comparable electronic data.**

# Quick Row and Cell Counts

For One Sample Undergoing Analysis from Table 1

**Chemistry Analysis**

Sample: (One Sample. Otherwise (# rows) x (# samples) )

-Includes Surrogates at 2 per sample per pesticide analysis.

36 Columns

81 Rows Cells = 2916

Quality Control (One Batch associated with a # of samples)

36 Columns

330 Rows Cells = 11880

(Blanks,LabDups,LCS,LCSD,MS,MSD)

# Quick Row and Cell Counts

For One Sample Undergoing Analysis from Table 1

**Toxicity Analysis** (Includes Water & Sediment Analysis)

Summary: (Summary of Replicates and Statistics)

-Includes Negative Control

40 Columns

8 Rows Cells = 320

Replicate and Water Quality Data:

-Includes Negative Control

34 Columns

64 Rows Cells = 2176

# Quick Row and Cell Counts

For Analysis from Table 1

**Totals**

**Chemistry**

| | |
|---|---|
| 81 Rows (x # of Samples) | Cells = 2916 |
| 330 Rows | Cells = 11880 |

**Toxicity Analysis**

| | |
|---|---|
| 8 Rows (x # of Samples) | Cells = 320 |
| 64 Rows (x # of Samples) | Cells = 2176 |

TOTAL

| | | |
|---|---|---|
| 1 Sample | = 483 Rows | 17292 Cells |
| 5 Samples | = 1095 Rows | 38940 Cells |
| 10 Samples | = 1698 Rows | 66000 Cells |

# Why are the Number of Cells so High ?

## Because of The Structure of SWAMP Format & Information Recorded

***One Row = One Analyte/Measurement** ***QC Samples Must be Recorded**

***Information Recorded for Each Sample for Each Analyte/Measurement**

**See Example Table: One Sampling Location Chemistry Analysis (Table 1. Of the Draft MRP)**

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LabSampleID | StationCode | EventType | SampleDate | SampleTime | SampleTypeCode | SampleReplicate | DepthSampleCollection | DepthUnit | ProjectID | Source | AgencyCode | FailureReason | SampleCommunity | Preparation | PreparationDate | DigestExtractMethod | DigestExtractDate | LabBatch | AnalysisDate | SampleID | LabReplicate | MatrixName | MethodName | AnalyteName | FractionName | Unit | Basis | Result | ResultQualCode | SigFig | MDL | RL |
| 2 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_COL | 01/Jan/2006 | XXXX | 1 | sample water | SM2120B | Color | None | Units | uu | -5 | ND | 1 | 5 | 5 |
| 3 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TURB | 01/Jan/2006 | XXXX | 1 | sample water | SM2130B | Turbidity | None | NTU | uu | -1 | ND | 1 | 1 | 1 |
| 4 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TDS | 01/Jan/2006 | XXXX | 1 | sample water | SM2540C | Total Dissolved Solids | Total | mg/L | uu | -10 | ND | 1 | 10 | 10 |
| 5 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TOC | 01/Jan/2006 | XXXX | 1 | sample water | SM5310C | Total Organic Carbon | Total | mg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 6 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Aldicarb | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 7 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Carbaryl | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 8 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Carbofuran | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 9 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Methiocarb | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 10 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Methomyl | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 11 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_CARB | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Oxamyl | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 12 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | DDD | None | µg/L | uu | -0.02 | ND | 1 | 0.02 | 0.02 |
| 13 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | DDE | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 14 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | DDT | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 15 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | Dicofol | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 16 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | Dieldrin | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 17 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | Endrin | None | µg/L | uu | -0.01 | ND | 1 | 0.01 | 0.01 |
| 18 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OC | 01/Jan/2006 | XXXX | 1 | sample water | EPA608 | Methoxychlor | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 19 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Azinphos-methyl | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 20 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Chlorpyrifos | None | µg/L | uu | -0.02 | ND | 1 | 0.02 | 0.02 |
| 21 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Diazinion | None | µg/L | uu | -0.02 | ND | 1 | 0.02 | 0.02 |
| 22 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Dichlorvos | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 23 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Dimethoate | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 24 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Dimetanz | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 25 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Disulfoton | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 26 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Malathion | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 27 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Methamidophos | None | µg/L | uu | -0.2 | ND | 1 | 0.2 | 0.2 |
| 28 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Methidathion | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 29 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Parathion-methyl | None | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 30 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Phorate | None | µg/L | uu | -0.2 | ND | 1 | 0.2 | 0.2 |
| 31 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_OP | 01/Jan/2006 | XXXX | 1 | sample water | EPA8141A | Phormet | None | µg/L | uu | -0.2 | ND | 1 | 0.2 | 0.2 |
| 32 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Bifenthrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 33 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Cyfluthrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 34 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Cypermethrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 35 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Deltamethrin | None | µg/L | uu | -0.08 | ND | 1 | 0.08 | 0.08 |
| 36 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Esfenvalerate | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 37 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Fenpropathrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 38 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Lambda-cyhalothrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 39 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_PYR | 01/Jan/2006 | XXXX | 1 | sample water | EPA8270C | Permethrin | None | µg/L | uu | -0.05 | ND | 1 | 0.05 | 0.05 |
| 40 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_619 | 01/Jan/2006 | XXXX | 1 | sample water | EPA619 | Atrazine | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 41 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_619 | 01/Jan/2006 | XXXX | 1 | sample water | EPA619 | Cyanazine | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 42 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_8321 | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Diuron | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 43 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_547 | 01/Jan/2006 | XXXX | 1 | sample water | EPA547 | Glyphosphate | None | µg/L | uu | -10 | ND | 1 | 10 | 10 |
| 44 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_8321 | 01/Jan/2006 | XXXX | 1 | sample water | EPA8321 | Linuron | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 45 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_634 | 01/Jan/2006 | XXXX | 1 | sample water | EPA634 | Malinate | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 46 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_549.1 | 01/Jan/2006 | XXXX | 1 | sample water | EPA549.1 | Paraquat dichloride | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 47 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_619 | 01/Jan/2006 | XXXX | 1 | sample water | EPA619 | Simazine | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 48 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | None | 01/Jan/1950 | SM XXXXX | 01/Jan/2006 | UCD_010106_W_PEST_HERB_634 | 01/Jan/2006 | XXXX | 1 | sample water | EPA634 | Thiobencarb | None | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 49 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Arsenic | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 50 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Boron | Total | µg/L | uu | -10 | ND | 1 | 10 | 10 |
| 51 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Cadmium | Total | µg/L | uu | -0.1 | ND | 1 | 0.1 | 0.1 |
| 52 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Copper | Total | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 53 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Lead | Total | µg/L | uu | -0.5 | ND | 1 | 0.5 | 0.5 |
| 54 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Nickel | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 55 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Selenium | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 56 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_MET | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Zinc | Total | µg/L | uu | -1 | ND | 1 | 1 | 1 |
| 57 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_BACTI | 01/Jan/2006 | XXXX | 1 | sample water | SM9221B/F | Fecal Coliform | None | MPN | uu | -2 | ND | 1 | 2 | 2 |
| 58 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TKN | 01/Jan/2006 | XXXX | 1 | sample water | EPA351.2 | Total Kjeldahl Nitrogen | Total | µg/L | uu | -500 | ND | 1 | 500 | 500 |
| 59 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_NO3 | 01/Jan/2006 | XXXX | 1 | sample water | EPA300.1 | Nitrate as Nitrogen | None | µg/L | uu | -50 | ND | 1 | 50 | 50 |
| 60 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_NO2 | 01/Jan/2006 | XXXX | 1 | sample water | EPA300.0 | Nitrite as Nitrogen | None | µg/L | uu | -50 | ND | 1 | 50 | 50 |
| 61 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_NH3 | 01/Jan/2006 | XXXX | 1 | sample water | EPA350.1 | Total Ammonia | None | µg/L | uu | -100 | ND | 1 | 100 | 100 |
| 62 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_HARD | 01/Jan/2006 | XXXX | 1 | sample water | EPA200.7 | Hardness (CaCO3) | None | µg/L | uu | -10000 | ND | 1 | 10000 | 10000 |
| 63 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_TPHOS | 01/Jan/2006 | XXXX | 1 | sample water | EPA365.1 | Total Phosphorous | Total | µg/L | uu | -50 | ND | 1 | 50 | 50 |
| 64 | XXXX | 500AGSITE | WaterTox_Chem | 01/Jan/2006 | 12:00 | Grab | 1 | 0.1 | m | 06AGSILP | Irrigation | UCD | None | | SM XXXXX | 01/Jan/2006 | None | 01/Jan/1950 | UCD_010106_W_OPO4 | 01/Jan/2006 | XXXX | 1 | sample water | EPA300.0 | Soluble Orthophosphate | Total | µg/L | uu | -50 | ND | 1 | 50 | 50 |