

**From:** [Elizabeth Kennelley](#)  
**To:** [Tafuni, Steven](#); [Black, Alexis](#); [SWD Waste](#)  
**Cc:** [Henry.Norris@citrusbocc.com](mailto:Henry.Norris@citrusbocc.com); [Dan S. Sherlock](#); [Troy Hays](#)  
**Subject:** Emailing: 2020.09.25\_RPT\_Citrus Central\_WACS ID 39859\_WQ Tech Rpt.pdf  
**Date:** Friday, September 25, 2020 3:08:24 PM  
**Attachments:** [2020.09.25\\_RPT\\_Citrus Central\\_WACS ID 39859\\_WQ Tech Rpt.pdf](#)

---

Good afternoon,

As required by Appendix 3.V.H of FDEP Permit 21375-025-SO-01 for the Citrus County Class I Central Landfill(WACS ID 39859), please find attached the Interim Permit Water-Quality Monitoring Technical Report evaluating the water-quality monitoring program at the landfill. This report summarizes groundwater data from the First Semiannual 2018 through the First Semiannual 2020 sampling events and conforms with the requirements outlined in Permit 21375-025-SO-01 and FAC Chapter 62-701.510(8)(b).

Please let me know if you have any problems opening the attachment or if you have questions and/or comments concerning the report.

Thank you,

Elizabeth D. Kennelley, MS, CEPM  
Project Scientist

P. 352.377.5821 X. 1416  
JONESEDMUNDS.COM  
730 NE Waldo Road, Gainesville, FL. 32641

The information contained in this message including any attachment is confidential. It is intended for the private use of the intended addressee only. If you are not the intended addressee, please immediately notify the sender by reply email and destroy the original transmission and any attachment. Email transmission of information cannot be guaranteed to be free of error or other defect. If verification is required, request a hard-copy version. The sender disclaims liability for any defects in this message caused by email transmission including a virus. It is the responsibility of the recipient to ensure that this message is virus free.

Your message is ready to be sent with the following file or link attachments:

[2020.09.25\\_RPT\\_Citrus Central\\_WACS ID 39859\\_WQ Tech Rpt.pdf](#)

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

**JonesEdmunds**



**CITRUS COUNTY CENTRAL LANDFILL  
WATER QUALITY MONITORING  
TECHNICAL REPORT 2018 - 2020**

Citrus County Board of County Commissioners | September 2020

**CITRUS COUNTY CENTRAL LANDFILL  
WATER QUALITY MONITORING  
TECHNICAL REPORT 2018 - 2020**

**FDEP Permit No. 21375-025-SO-01**

**WACS Facility ID: 39859**

**FDEP Due Date: September 30, 2020**

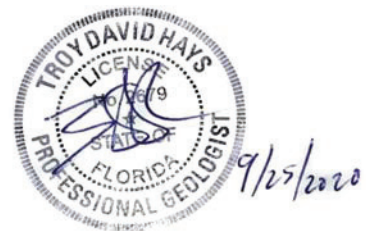
**Prepared for:**

CITRUS COUNTY BOARD OF COUNTY COMMISSIONERS  
PO Box 340  
Lecanto, Florida 34460

**Prepared by:**

JONES EDMUNDS & ASSOCIATES, INC.  
730 NE Waldo Road  
Gainesville, Florida 32641

September 2020



---

Troy D. Hays, PG  
Florida License # 2679

# TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>iii</b>
<b>1 PHYSICAL LOCATION AND GEOLOGICAL SETTING .....</b>	<b>1-1</b>
1.1 Site Location .....	1-1
1.2 Site History .....	1-1
1.3 Regional Hydrogeological Setting .....	1-1
1.3.1 Geology .....	1-1
1.3.2 Hydrogeology .....	1-1
1.4 Site-Specific Hydrogeological Setting .....	1-2
<b>2 SITE-SPECIFIC MONITORING PROGRAM .....</b>	<b>2-1</b>
2.1 Monitoring Network.....	2-1
2.2 Regulatory Requirements.....	2-1
<b>3 WATER QUALITY MONITORING PROGRAM EVALUATION.....</b>	<b>3-1</b>
3.1 Regulatory Requirements.....	3-1
3.2 Adequacy of Monitoring Well Locations .....	3-1
3.2.1 Groundwater Flow Direction – Horizontal Well Placement .....	3-1
3.2.2 Groundwater Elevation Compared to Well Screen Intervals – Vertical Well Placement .....	3-1
3.3 Adequacy of Monitoring Frequency.....	3-3
3.3.1 Average Linear Groundwater Velocity Calculations .....	3-3
3.3.2 Horizontal Hydraulic Conductivity and porosity .....	3-3
3.3.3 Hydraulic Gradient .....	3-3
3.3.4 Groundwater Flow Velocity Calculation .....	3-3
<b>4 GROUNDWATER QUALITY .....</b>	<b>4-1</b>
4.1 Parameters Reported at or Outside Groundwater Standards.....	4-1
4.2 Tabular and Graphical Displays.....	4-1
4.3 Water Quality Discussions.....	4-1
4.3.1 Field and Indicator Parameters .....	4-1
4.3.2 Metals .....	4-2
4.3.3 VOCs.....	4-3
4.4 Groundwater Quality Trends.....	4-3
4.4.1 Field and Indicator Parameters .....	4-3
4.4.2 Metals .....	4-4
4.4.3 VOCs.....	4-4

4.5	Comparison of Shallow, Middle, and Deep Wells .....	4-7
4.6	Related Parameters.....	4-7
4.7	Erratic and Poorly Correlated Data .....	4-8
<b>5</b>	<b>SUMMARY AND RECOMMENDATIONS .....</b>	<b>5-1</b>
5.1	Summary .....	5-1
5.2	Recommendations .....	5-2
<b>6</b>	<b>REFERENCES .....</b>	<b>6-1</b>

## LIST OF TABLES

Table 2-1	Semiannual Groundwater Monitoring Parameter List .....	2-1
Table 2-2	Assessment Monitoring Parameter List .....	2-2
Table 3-1	Summary of Sampling Events during the Report Period.....	3-1
Table 3-2	Monitoring Well Information and Groundwater Elevation Fluctuation During the Report Period.....	3-2
Table 4-1	Parameters Reported at or outside Groundwater Standards during the Report Period.....	4-1

## LIST OF FIGURES

Figure 1	VOC Tracking in MW-7 .....	4-5
Figure 2	VOC Tracking in MW-10 .....	4-5
Figure 3	VOC Tracking in MW-19 .....	4-6
Figure 4	VOC Tracking in MW-21 .....	4-6

## ATTACHMENTS

Attachment 1	Site Map and Survey Map
Attachment 2	Groundwater Contour Maps
Attachment 3	Hydrographs and Groundwater Velocity Calculations
Attachment 4	Groundwater Parameters Reported At or Outside of Groundwater Standards
Attachment 5	Groundwater Parameters Reported At or Above the Laboratory Detection Limit
Attachment 6	Report Period Groundwater All Data Summary Table
Attachment 7	Historical Groundwater Trend Graphs
Attachment 8	Report Period Groundwater Chemistry Graphs
Attachment 9	Scatterplots

## EXECUTIVE SUMMARY

The Citrus County Division of Solid Waste Management operates a Class I Landfill with leachate storage and related facilities (approximately 80 acres) and provides post-closure care of a closed Class I landfill (approximately 60 acres) at the Citrus County Central Landfill Facility in Citrus County. A site location map and a site plan with monitoring well locations are presented in Attachment 1. Information on site history and use is provided in Section 1.2 of this report. The Class I landfill is currently operated under FDEP Permit Number 21375-025-SO-01, issued August 15, 2016, and Permit Modification 21375-026-SO-MM, issued July 10, 2018.

Appendix 3.V.H of FDEP Permit 21375-025-SO-01 for the Citrus County Class I Central Landfill (landfill) requires that a technical report evaluating the water quality monitoring program at the landfill be submitted every two and one-half years. This report summarizes data for Citrus County Class I Central Landfill from the First Semiannual 2018 through the First Semiannual 2020 sampling events. The period from the First Semiannual 2018 through the First Semiannual 2020 sampling events is referred to as the "report period" throughout this document. This report conforms with the requirements outlined in Permit 21375-025-SO-01 and Chapter 62-701.510(8)(b) of the Florida Administrative Code (FAC) as listed below:

- Tabular displays of any data which show that a monitoring parameter has been detected (Attachment 4 and Attachment 5, and graphical displays of any leachate key indicator parameters detected (Attachments 7 and 8), including hydrographs for all monitoring wells (Attachment 3).
- Trend analyses of any monitoring parameters consistently detected (Section 4.4 and Attachment 7).
- Comparison among shallow, middle, and deep zone wells (Section 4.5).
- Comparisons between background water quality and the water quality in detection and compliance wells (Sections 4.3).
- Correlations between related parameters (Section 4.6).
- Discussion of erratic or poorly correlated data (Section 4.7).
- An interpretation of the groundwater contour maps, including an evaluation of groundwater flow rates (Section 3).
- An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based on site conditions (Section 3).

Class G-II water quality standards are defined as the FDEP Primary Drinking Water Standards (PDWS), Secondary Drinking Water Standards (SDWS), and the Chapter 62-777 Florida Administrative Code (FAC) Groundwater Cleanup Target Levels (GCTL).

The only confirmed analytical exceedances of primary and secondary groundwater standards observed at the Class I Landfill during the report period were pH, Nitrate-Nitrogen, Arsenic, Iron, Dissolved Iron, Benzene, and Vinyl Chloride.

The landfill is currently undergoing contamination assessment to delineate groundwater exceedances of Volatile Organic Compounds (VOCs) in MW-19 and MW-21 as a part of the Contamination Assessment Plan submitted to FDEP in October 2016. Three new groundwater

delineation wells –MW-18D, MW-19D, and MW-22- were installed in July 2017 and added to the semiannual sampling events.

Groundwater potentiometric surface maps were prepared for each sampling event. The Floridan aquifer at the landfill shows a generally west-southwest flow direction. The vertical placement of each well screen was based upon site specific conditions—including monitoring certain lithologic intervals and proper well construction—and intersecting the water table was deemed secondary.

No modifications to the permit outlined monitoring networks—including well locations, sampling frequency, or the parameter lists—are recommended at this time.

# 1 PHYSICAL LOCATION AND GEOLOGICAL SETTING

## 1.1 SITE LOCATION

The Citrus County Class I Central Landfill (landfill) is located at 230 West Gulf-to-Lake Highway (State Road 44) in central Citrus County approximately three miles east of Lecanto, Florida. The landfill is located at latitude 28° 51' 08" North and longitude 82° 26' 38" West in Section 1, Township 19 South, Range 18 East and is approximately 140 acres in size.

## 1.2 SITE HISTORY

The site was originally an undeveloped portion of the Withlacoochee State Forest. Landfill operations began in 1975. The facility is currently composed of a closed Class I landfill on 60-acres and active Class I lined landfill with leachate storage and associated outbuildings on approximately 80 acres.

The closed Class I landfill is located in the western portion of the site. The primary landfilling method from 1975 through the late 1980s was unlined trench and fill. With the exception of seven acres, the closed landfill is unlined and is not served by a leachate collection system. In 1988, approximately seven acres was developed as a single-lined disposal unit with a leachate collection system. The entire closed landfill is capped with a membrane and soil cover with the exception of an area in the east central portion of the property. A groundwater monitoring network has been in place since 1985.

The active Class I lined landfill is located in the eastern portion of the site and includes approximately 26 acres of active cells. The active landfill cells are lined and were developed in four phases (Phases 1, 1A, 2, and 3) beginning in 1990. Phase 1 is single-lined. Phase 1A, Phase 2, and Phase 3 are double-lined. Phase 1 began receiving waste in 1991, Phase 1A in 1997, Phase 2 in 2005, and Phase 3 in 2011. A leachate collection and storage system serve the seven-acre lined cell on the closed portion of the site and all units on the active portion of the site. Leachate is pumped to the leachate storage tanks and transported via force main to the County owned Meadowcrest WWTP.

## 1.3 REGIONAL HYDROGEOLOGICAL SETTING

### 1.3.1 GEOLOGY

The landfill lies within the Hernando Hammock physiographic subdivision of the Ocala uplift district as described by Brooks (1981). This region is characterized by remnant erosional hills and ridges, which are in-filled with thick, weathered deposits of sand and clayey sand. The landfill is also within the northern portion the Brooksville Ridge. The Brooksville Ridge is characterized as an extensive, internally drained, karst terrain with high local relief.

### 1.3.2 HYDROGEOLOGY

Undifferentiated sands and clays of the Alachua formation typically characterize the regional geology in the landfill area. This overlies Hawthorn Group clays found in the erosional valleys of the underlying limestone units in Citrus County (Vernon, 1951). The thickness and continuity of the sediments varies greatly in the area. The sand and clays act as partial / poorly confining units for the Floridan aquifer in some parts of the region. Beneath the undifferentiated sands



and clays lies a thick sequence of Eocene age carbonate deposits, which generally consist of the Suwannee limestone, Ocala Group, and Avon Park formations (Vernon, 1951).

#### **1.4 SITE-SPECIFIC HYDROGEOLOGICAL SETTING**

Site-specific geology is characterized by approximately 130 feet of surficial sediments ranging from fine to medium sands to clayey, silty fine sands. Several 1-foot to 2-foot clay layers are present between 50 and 80 feet bls. Beneath these sediments lies the Suwannee Formation. The Suwannee has a highly irregular surface beneath the site, with elevations ranging from 80 feet NGVD to -54 feet NGVD and generally slopes from west to east (Jones Edmunds, 2006). The only laterally continuous aquifer at the landfill is the unconfined Floridan aquifer.

## 2 SITE-SPECIFIC MONITORING PROGRAM

### 2.1 MONITORING NETWORK

The current monitoring well network at the Citrus County Class I Central Landfill, as outlined in Permit 21375-025-SO-01, includes 16 monitoring wells and 12 piezometers monitoring the Floridan aquifer:

- Background wells: MW-3 and MW-7
- Compliance wells: MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-20, MW-21, and MW-22
- Assessment wells: MW-18, MW-18D, MW-19, and MW-19D
- Piezometers: MW-1R, MW-2, MW-5, MW-6, MW-8R, MW-9, MW-16, MW-AA, MW-B, MW-E, PZ-1A, and PZ-2A

Assessment wells MW-18D and MW-19D and compliance well MW-22 were installed in July 2017 to delineate groundwater exceedances of Volatile Organic Compounds (VOCs) in MW-19 and MW-21 as a part of the Contamination Assessment Plan submitted to FDEP in October 2016.

Under Appendix 3.III.1 of the permit, surface water monitoring is not required unless there is a discharge from the landfill.

A site map of the landfill and the most current survey are provided in Attachment 1.

### 2.2 REGULATORY REQUIREMENTS

Routine semiannual groundwater monitoring at the facility is performed in accordance with Appendix 3.II of Permit No. 21375-025-SO-01. Groundwater standards include the Primary Drinking Water Standards (PDWS), Secondary Drinking Water Standards (SDWS), and Rule 62-777 FAC Groundwater Cleanup Target Levels (GCTL).

As required by Appendix 3.II.3 of the permit, all background and compliance wells were sampled and analyzed semiannually for the parameters listed in Table 2-1.

**Table 2-1 Semiannual Groundwater Monitoring Parameter List**

Field Parameters	Laboratory Parameters
Static water level in wells before purging	Ammonia-Nitrogen and Nitrate-Nitrogen
Dissolved Oxygen	Chloride
pH	Iron, Mercury, and Sodium
Specific Conductivity	Total Dissolved Solids (TDS)
Temperature	Those parameters listed in 40 CFR Part 258 Appendix I
Turbidity	
Colors / Sheens	

Dissolved Metals are also analyzed for wells with historically high Turbidity (over 20 NTU). Currently this includes only MW-10 and MW-21.

In addition, all assessment wells were sampled and analyzed semiannually for the parameters listed in Table 2-2 as required by Appendix 3.II.4 of the permit.

**Table 2-2 Assessment Monitoring Parameter List**

Field Parameters	Laboratory Parameters
Static water level in wells before purging	Benzene
Dissolved Oxygen	Methylene Chloride (Dichloromethane)
pH	Vinyl Chloride
Specific Conductivity	Iron* (MW-18D, MW-19D, and MW-22)
Temperature	Ammonia-Nitrogen* (MW-19, MW-19D, and MW-22)
Turbidity	Chloride* (MW-19, MW-19D, and MW-22)
Colors / Sheens	* Voluntary addition

## 3 WATER QUALITY MONITORING PROGRAM EVALUATION

### 3.1 REGULATORY REQUIREMENTS

This report summarizes water quality monitoring data collected from the First Semiannual 2018 through the First Semiannual 2020 sampling events for the Citrus County Central Landfill. This report conforms to the requirements outlined in Chapter 62-701.510(8)(b), Florida Administrative Code (FAC) and meets the requirements of Appendix 3 Condition V.H.10 and Permit No. 21375-025-SO-01. This Water-Quality Monitoring Technical Report was prepared by Jones Edmunds and is submitted on behalf of the Citrus County Board of County Commissioners and Division of Solid Waste Management.

The dates of the five routine semiannual sampling events and one resample event for the Class I Landfill are listed in Table 3-1.

**Table 3-1 Summary of Sampling Events during the Report Period**

Sampling Event	Sampling Date
First Semiannual 2018 (18S1)	February 5, 6, 7, and 8, 2018
Second Semiannual 2018 (18S2)	July 23, 24, 25, and 26, 2018
First Semiannual 2019 (19S1)	February 12, 13, 14, and 18, 2019
Second Semiannual 2019 (19S2)	July 23, 25, and 29, 2019
First Semiannual 2020 (20S1)	March 30, and April 1, 2, and 3, 2020
First Semiannual 2020 Resample (20M6)	June 4, 2020

Parameters reported outside groundwater protection standards during the report period include pH, Nitrate-Nitrogen, Arsenic, Iron, Dissolved Iron, Benzene, and Vinyl Chloride.

### 3.2 ADEQUACY OF MONITORING WELL LOCATIONS

#### 3.2.1 GROUNDWATER FLOW DIRECTION – HORIZONTAL WELL PLACEMENT

Groundwater contour maps for the Floridan Aquifer are provided in Attachment 2. As shown in the groundwater contour maps, the groundwater flow direction within the Floridan Aquifer underlying the site was generally toward the west-southwest. Based upon the groundwater flow direction, the monitoring wells are adequately positioned to detect potential groundwater contamination emanating from the disposal area.

The County had historically been treating and disposing of leachate onsite. This created a mounding effect in the center of the site. The County now pumps the leachate to a WWTP. The groundwater contour maps prepared over this report period show the decrease of the mounding effect and the groundwater displays the natural flow direction.

#### 3.2.2 GROUNDWATER ELEVATION COMPARED TO WELL SCREEN INTERVALS – VERTICAL WELL PLACEMENT

Attachment 3 provides historical and report period hydrographs for the Floridan aquifer wells at the facility. Vertical positioning of the monitoring wells is appropriate, based on site-specific

conditions, to detect potential groundwater contamination emanating from the landfill in the Floridan aquifer at the site.

Table 3-2 presents recorded fluctuations of the potentiometric surface of the Floridan aquifer. Groundwater elevations of the Floridan aquifer ranged from 5.30 ft, NGVD in PZ-2 to 9.54 ft, NGVD in MW-18D during the report period. The highest groundwater elevations were recorded during the First Semiannual 2019 sampling event and the lowest during the First Semiannual 2018 event.

**Table 3-2 Monitoring Well Information and Groundwater Elevation Fluctuation During the Report Period**

Well	Well Type	Top-of-Casing Elevation (feet NGVD)	Total Well Depth (from TOC in feet)		Screened Interval Elevation (feet NGVD, BTOC)		Groundwater Elevation (feet NGVD)	
			Original	Current*	Bottom	Top	Maximum	Minimum
MW-3	BG	120.31	118.7	**	1.6	16.6	9.45	6.95
MW-7	BG	128.47	139.1	139.10	-10.6	9.4	8.86	6.72
MW-10	CO	113.37	120.5	119.75	-7.1	12.9	8.80	6.51
MW-11	CO	104.69	111.5	109.70	-6.8	13.2	6.78	5.45
MW-12	CO	103.36	109.5	109.30	-6.1	13.9	6.86	5.47
MW-13	CO	111.92	119.5	118.96	-7.6	12.4	6.99	5.57
MW-14	CO	108.50	116.1	114.90	-7.6	12.4	6.86	5.50
MW-15	CO	123.58	129.6	128.80	-6.0	14.0	7.32	5.79
MW-17	CO	110.85	117.6	117.10	-6.8	13.3	7.08	5.59
MW-20	CO	119.76	125.7	125.52	-5.9	14.1	8.44	6.56
MW-21	CO	115.63	125.4	125.75	-9.8	10.2	8.55	6.50
MW-18	AS	115.82	119.7	119.70	-3.9	16.1	9.44	6.77
MW-18D	AS	115.68	140.4	140.30	-24.8	-14.8	9.54	7.11
MW-19	AS	113.50	139.6	139.95	-26.1	-16.1	8.83	6.53
MW-19D	AS	113.59	165.7	**	-52.1	-47.1	9.18	6.74
MW-22	CO	113.79	125.6	125.55	-11.8	8.2	6.87	5.61
MW-1R	PZ	118.07	127.8	124.45	-9.7	0.3	7.23	5.59
MW-2	PZ	136.05	163.8	161.80	-27.8	-12.8	8.95	6.99
MW-5	PZ	120.98	122.5	121.37	-1.5	8.5	8.95	6.78
MW-6	PZ	118.27	124.7	122.17	-6.4	3.6	8.91	6.72
MW-8R	PZ	117.96	128.0	130.20	-10.0	10.0	7.02	5.51
MW-9	PZ	113.29	121.0	**	-7.7	12.3	6.80	5.45
MW-16	PZ	119.64	126.6	126.78	-7.0	13.0	7.07	5.69
MW-AA	PZ	105.85	117.4	115.93	-11.6	-1.6	6.89	5.53
MW-B	PZ	113.30	128.8	131.37	-15.5	4.5	7.23	5.75
MW-E	PZ	109.36	120.9	117.65	-11.5	8.5	6.84	5.53
PZ-1	PZ	110.97	119.7	117.68	-8.7	11.3	6.83	5.44
PZ-2	PZ	116.82	119.8	117.01	-3.0	17.0	6.66	5.30

Groundwater Elevations in this table are continuous round measurements.

\*Total Well Depths were measured on August 24, 2020

\*\*Unable to measure due to obstructions in the well

### 3.3 ADEQUACY OF MONITORING FREQUENCY

#### 3.3.1 AVERAGE LINEAR GROUNDWATER VELOCITY CALCULATIONS

Groundwater velocities for this report are calculated using data from MW-2 (up-gradient) and MW-AA, MW-B, and MW-14 (down-gradient boundaries). A table summarizing all data used in the velocity calculations is included in Attachment 3.

An approximation of horizontal groundwater velocity can be calculated using a modified form of Darcy's equation:

$$V_x = -(K_h/n)i$$

where:  $V_x$  = average horizontal groundwater velocity (feet/day)

$K_h$  = horizontal hydraulic conductivity (feet/day)

$i$  = hydraulic gradient (ratio)

$n$  = effective porosity (percent)

The information discussed below was used to determine the values for this equation.

#### 3.3.2 HORIZONTAL HYDRAULIC CONDUCTIVITY AND POROSITY

Slug test results from two Floridan-aquifer wells at the landfill were previously reported by Jones Edmunds as part of the *Citrus County Central Landfill Groundwater Investigation Report* (January 2006) and the *Citrus County Central Landfill Request for Additional Information (RAI)* response (September 2006). The calculated hydraulic conductivity values ranged from 5.53 feet/day to 40.04 feet/day. In addition, Jones Edmunds reported an average value for the hydraulic conductivity of the Floridan aquifer system at the site of 4.86 feet/day in the *Citrus County Central Landfill Site Assessment Report* (October 2007). The effective porosity of the Floridan aquifer at the landfill is estimated to be 25% (Fetter, 2001).

#### 3.3.3 HYDRAULIC GRADIENT

Hydraulic gradient ( $i$ ) for the Floridan aquifer at the landfill was determined using report period groundwater elevation (GWE) differences and the distance between wells MW-2 (up-gradient well) and MW-AA, MW-B, and MW-14 (down-gradient boundary wells). These wells were used for determining hydraulic gradient because they represent the hydraulic gradient parallel to the groundwater flow direction and the transects go across the landfill site. Hydraulic gradient was calculated with the following equation:

$$\text{Hydraulic Gradient } (i) = \frac{(\text{GWE in MW-2}) - (\text{GWE in Down-Gradient Boundary Well})}{\text{Distance from MW-2 to Down-Gradient Boundary Well}}$$

#### 3.3.4 GROUNDWATER FLOW VELOCITY CALCULATION

The calculated average linear groundwater velocity in the Floridan aquifer is 4.5 feet/year (using  $K_h = 4.86$  feet/day) with a maximum calculated average groundwater velocity of 37.3 feet/year (using  $K_h = 40.04$  feet/day). Based on this, a semiannual groundwater monitoring frequency is adequate for detecting possible contamination from the landfill.

## 4 GROUNDWATER QUALITY

### 4.1 PARAMETERS REPORTED AT OR OUTSIDE GROUNDWATER STANDARDS

Florida groundwater protection standards include the Primary Drinking Water Standards (PDWS), Secondary Drinking Water Standards (SDWS), and Rule 62-777 FAC Groundwater Cleanup Target Levels (GCTL). The parameters listed in Table 4-1 were reported at or outside groundwater standards in the monitoring wells during the report period. Groundwater data collected from the Floridan Aquifer monitoring wells during the report period indicate some impact on groundwater quality at the landfill.

**Table 4-1 Parameters Reported at or outside Groundwater Standards during the Report Period**

Field and Indicator Parameters	Metals	VOCs
pH	Arsenic	Benzene
Nitrate-Nitrogen	Iron & Dissolved Iron	Vinyl Chloride

### 4.2 TABULAR AND GRAPHICAL DISPLAYS

Attachment 4 is a summary of parameter results reported at or outside groundwater standards in the monitoring wells during the report period. Attachment 5 provides a summary table of parameters reported above laboratory detection limits during the report period. This data is discussed in Section 4.3 of this report. Attachment 6 provides an All Data Summary Table for the report period and Attachment 7 provides historical trend graphs for parameters consistently detected in the monitoring well network. Notable trends are discussed in section 4.4 of this report. Graphs of the field parameters and groundwater parameters reported at or above the laboratory detection limits during the report period are provided in Attachment 8. Scatterplots for related parameters are presented in Attachment 9 and are discussed in Section 4.6.

### 4.3 WATER QUALITY DISCUSSIONS

#### 4.3.1 FIELD AND INDICATOR PARAMETERS

- The SDWS for pH ranges from 6.5 to 8.5 standard units (S.U.). Background pH levels were generally below the SDWS of 6.5 S.U., ranging from 4.39 to 5.17 S.U. in wells MW-3 and MW-7. Levels of pH in the compliance and assessment wells were similar to background, ranging from 4.43 to 7.07 S.U. The highest pH values were reported in MW-11 and MW-12, ranging from 6.75 to 7.07 S.U.
- Conductivity in background wells MW-3 and MW-7 ranged from 91 to 202  $\mu\text{S}/\text{cm}$  with concentrations being lower in MW-7 than in MW-3. Conductivity is elevated in wells MW-11, MW-12, MW-14, MW-20, MW-19D, and MW-22 compared to background.
- Chloride ranged from 5.8 to 20 mg/L in background wells MW-3 and MW-7. Chloride was elevated compared to background in MW-20, ranging from 42 to 72 mg/L. Concentrations are below the SDWS of 250 mg/L in all of the wells across the site.
- Ammonia-Nitrogen is low level at the site and there were no exceedances reported during the report period.

- Nitrate-Nitrogen was above the PDWS of 10 mg/L in background well MW-3 during the entire report period except for the Second Semiannual 2019 sampling event (reported at 9.3 mg/L). Nitrate-Nitrogen concentrations in all other wells (including background well MW-7) were extremely low-level, generally below 0.5 mg/L.
  - The County has been looking into the exceedances of Nitrate in this well including additional sampling of the nearby stormwater pond and researching any fertilizer applications/Department of Forestry work conducted near the southeast corner of the facility.
- Total Dissolved Solids (TDS) in the background wells ranged from 64 to 160 mg/L with concentrations in MW-3 (96-160 mg/L) being higher than those reported in MW-7 (64 – 110 mg/L). TDS was elevated compared to background in MW-11, MW-12, MW-14, and MW-20, and MW-22 ranging from 250 to 360 mg/L.
- Low levels of Sodium were reported in all background and compliance wells during the report period with the highest concentrations being reported in MW-20, ranging from 13.7 to 16.4 mg/L. All concentrations are below the PDWS of 160 mg/L for Sodium.

#### 4.3.2 METALS

- Arsenic was reported at concentrations below the PDWS of 10 µg/L in background well MW-7 (BDL to 9.59 µg/L) during the report period and was BDL for all events in background well MW-3. Arsenic above the PDWS was reported in MW-20 (11.4 ug/L) during the First Semiannual 2020 sampling event and confirmed by resample in June 2020 (12.2 ug/L). Arsenic was BDL in all other wells except MW-17. Concentrations in MW-17 ranged from BDL to 7.96 ug/L, similar to concentrations reported in the background wells.
- Background concentrations of Barium ranged from BDL to 55.3 µg/L. Barium concentrations were elevated compared to background in MW-10, ranging from 81.6 to 222 µg/L. Concentrations reported in MW-10 were below the PDWS of 2000 µg/L for Barium. Barium in MW-10 appears to be associated with particulates in the groundwater as Dissolved Barium values are much lower than the Total Barium values in that well.
- Low-level Chromium was reported in MW-10 and appears to be associated with particulates in the groundwater, as Dissolved Chromium values are lower than the Total Chromium values in that well.
- Low-level Copper are reported in several compliance wells and in both background wells. Concentrations were well below the SDWS of 10000 ug/L for Copper.
- Iron in background well MW-3 was generally at or below the laboratory detection limit. Iron in background well MW-7 was much higher (1480 to 1780 µg/L) and above the SDWS of 300 µg/L during the entire report period. Concentrations of Iron in MW-10, MW-12, MW-13, MW-15, MW-17, MW-20, and MW-21 were consistently above the SDWS and elevated compared to background concentrations. The highest concentrations were reported in MW-20 ranging from 123,000 to 170,000 µg/L. Dissolved Iron concentrations in MW-10 and MW-21 were similar to those reported for Total Iron.



- Lead below the PDWS of 15 µg/L was reported in background well MW-3, ranging from BDL to 7.53 µg/L. Lead was consistently reported at similar levels in MW-10, ranging from 3.54 I to 6.68 ug/L.
- Thallium was reported at concentrations below the PDWS of 2 µg/L in MW-11 during the report period, ranging from BDL to 1.28 µg/L.

#### 4.3.3 VOCs

- Benzene was consistently reported above the PDWS of 1 ug/L in background well MW-7 (2.8 to 7.1 ug/L) and in assessment well MW-19 (2.0 to 2.4 ug/L) during the report period. Benzene below the PDWS was reported one or more times in assessment well MW-19D, ranging from BDL of 0.71 ug/L to 0.84 I ug/L, and in compliance well MW-21 ranging from BDL to 0.94 I ug/L. Benzene was not reported above the laboratory detection limit in any other well.
- Vinyl Chloride as reported above the PDWS of 1 ug/L once during the report period in background well MW-7 (1.1 ug/L). Vinyl Chloride was consistently reported above the PDWS in assessment well MW-19 (1.8 to 3.5 ug/L) during the report period. Vinyl Chloride below the PDWS was reported one or more times in assessment well MW-19D, ranging from BDL of 0.71 ug/L to 0.83 I ug/L. Vinyl Chloride was not reported above the laboratory detection limit in any other well.
- Chlorobenzene, 1,4-Dichlorobenzene, Ethylbenzene, Toluene, and Xylenes were reported below their respective groundwater protection standards one or more times in background well MW-7 during the report period.
- Low-level 1,4-Dichlorobenzene was reported one or more times in compliance wells MW-10, MW-13, MW-17, and MW-21 during the report period. Low-level Chlorobenzene was also reported in MW-21. All concentrations were below respective groundwater standards.
- Low-level cis-Dichloroethene was reported consistently in background well MW-7 and in compliance wells MW-10, MW-13, MW-15, and MW-17 during the report period. Low-level cis-Dichloroethene was also reported in compliance well MW-21 and low-level Dichloromethane was reported in assessment well MW-19. All concentrations were below respective groundwater standards.

## 4.4 GROUNDWATER QUALITY TRENDS

Attachment 7 provides long-term concentration trend graphs of selected parameters. Start dates of the historical graphs will vary primarily due to additional parameters being added during revisions to the monitoring program, changes in the sampling frequency, and replacement of wells. The discussions below are not necessarily based on the slope of the trend line on the graph but on an interpretive evaluation of the trends based on overall concentration ranges and data fluctuations over time.

### 4.4.1 FIELD AND INDICATOR PARAMETERS

- Turbidity is increasing in MW-22.
- Conductivity, Sodium, Chloride, and TDS were generally increasing in MW-3 but have decreased slightly during the last 4 sampling events compared to the historical high reported in 2018.

- Conductivity is increasing in MW-17, MW-19, and MW-20.
- Chloride is increasing in MW-20 but is below the SDWS of 250 mg/L. A recent increase was also noted in MW-21 but there is insufficient data to determine if concentrations are trending.
- TDS is generally increasing in MW-17 and MW-20. Although TDS in MW-21 remains elevated compared to historical data, it has generally been decreasing in the past 4 sampling events following an increasing trend.
- Although still below the GCTL of 2.8 mg/L, Ammonia-Nitrogen is increasing in MW-12 and MW-17. Ammonia-Nitrogen abruptly increased in MW-20 from concentrations generally less than 1 mg/L to 2.0 mg/L during the First Semiannual 2020 sampling event.
- Nitrate-Nitrogen is increasing in MW-11 and MW-14. Nitrate-Nitrogen appears to be gradually decreasing in background well MW-3 but is still above the PDWS of 10 mg/L.
- Although low-level, Sodium concentrations have been gradually increasing in MW-12, MW-14, and MW-15. Sodium in MW-20 increased from concentrations around 10 mg/L to concentrations around 15 mg/L in 2016. Sodium decreased in MW-7 until 2012 and has stabilized since that time in a pattern similar to Conductivity in this well.

#### 4.4.2 METALS

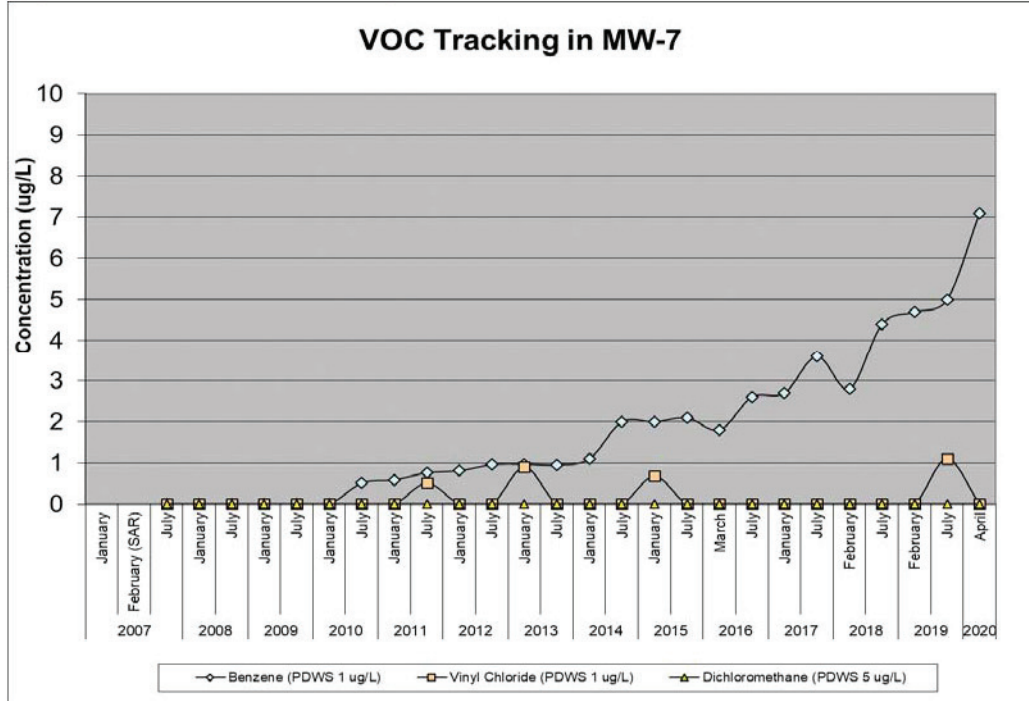
- Apparent abrupt decreases in Arsenic and Barium in 2017-2018 are due to changes in laboratory detection limits.
- Arsenic has been gradually increasing in MW-17 but is still below the PDWS of 10 ug/L. Arsenic exceeded the PDWS of 10 ug/L in MW-20 (11.4 ug/L) during the First Semiannual 2020 sampling event and the exceedance was confirmed by resample in June 2020.
- The abrupt decrease in Barium in MW-3 and MW-20 from concentrations around 40 - 50 ug/L to below the detection in 2019 was caused by a change in the laboratory detection limit from 20 ug/L to 50 ug/L.
- Copper was generally increasing in MW-3 but has decreased slightly during the last 4 sampling events compared to the historical high reported in 2018
- Iron is increasing in MW-17 and MW-21. Gradual increases in Iron were also noted in MW-15 and MW-19D. Iron is decreasing in MW-10, MW-12, MW-13 and MW-22. Iron in MW-20 appeared to have stabilized during the past 4 years; however, Iron increased again during the First Semiannual 2020 sampling event.

#### 4.4.3 VOCs

##### **MW-7**

- Benzene, Chlorobenzene, 1,4-Dichlorobenzene, Ethylbenzene, Toluene, Xylenes, cis-Dichloroethene, and Vinyl Chloride were all reported in MW-7 during the report period.
- Benzene and 1,4-Dichlorobenzene are increasing in MW-7. Vinyl Chloride was reported above the PDWS during the Second Semiannual 2019 sampling event at 1.1 ug/L but was BDL during the remainder of the report period. Dichloromethane was below the laboratory detection limit during the entire report period.

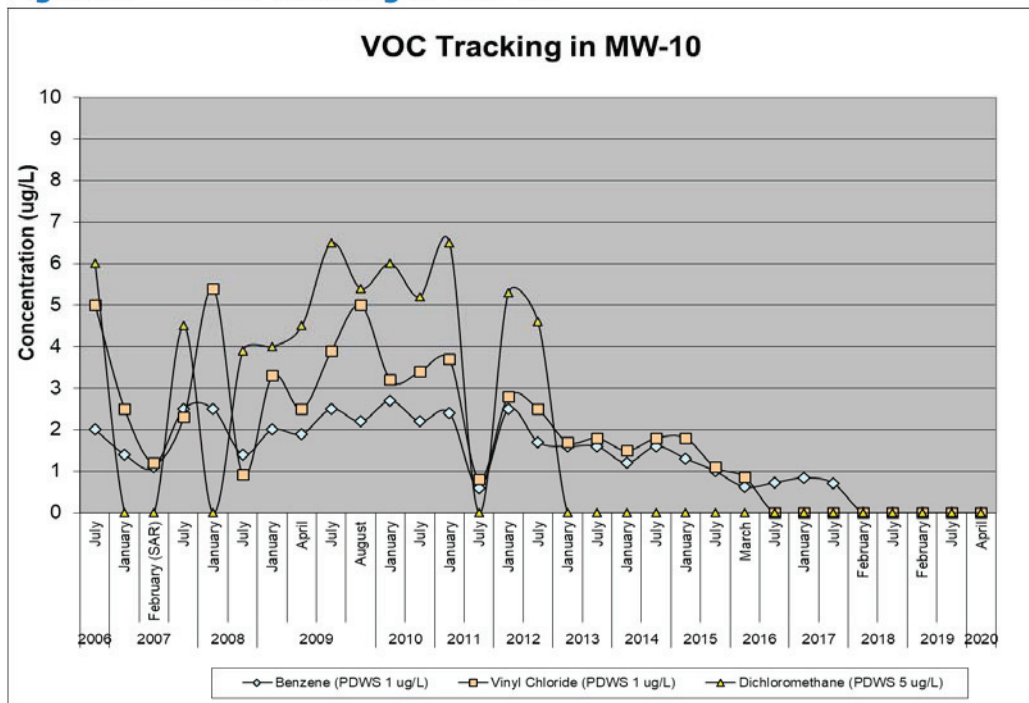
**Figure 1 VOC Tracking in MW-7**



**MW-10:**

- VOCs in MW-10 have all decreased and are below the State Groundwater Protection Standards. Vinyl Chloride and Dichloromethane have both been below the laboratory detection limit during the last five sampling events.

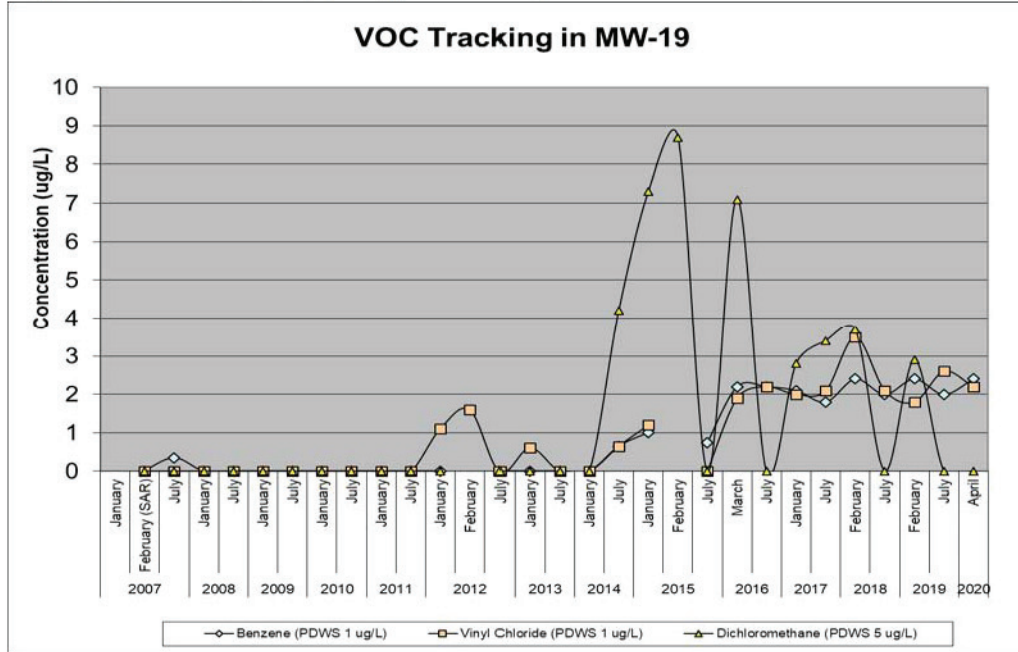
**Figure 2 VOC Tracking in MW-10**



### MW-19

- Benzene in MW-19 is above the PDWS and relatively stable at concentrations between 2 and 2.5 ug/L. Vinyl Chloride also remains relatively stable at concentrations between 2 and 3 ug/L. Dichloromethane was reported as BDL for 2 of the 5 sampling events during the report period.

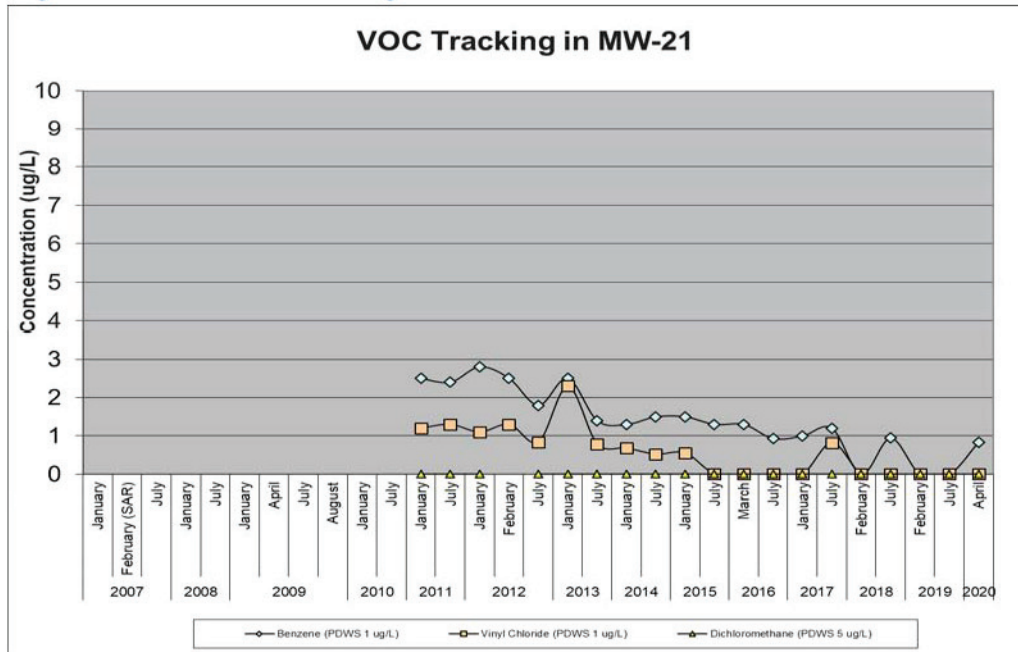
**Figure 3 VOC Tracking in MW-19**



### MW-21

- Dichloromethane and Vinyl Chloride in MW-21 were reported as BDL during the entire report period. Benzene has decreased to below the PDWS of 1 ug/L.

**Figure 4 VOC Tracking in MW-21**



## 4.5 COMPARISON OF SHALLOW, MIDDLE, AND DEEP WELLS

MW-19D is installed with a deeper screened interval clustered with MW-19 to monitor for vertical migration in this area. Benzene and Vinyl Chloride at concentrations below the PDWS were reported in MW-19D during the report period. The reported concentrations for both parameters are lower than those reported in MW-19 indicating limited vertical migration in this area.

MW-18 and MW-18D are installed downgradient of the MW-19 well cluster and screened at similar intervals. There were no VOC detections in either of the MW-18 wells during the report period.

All other groundwater monitoring wells that require sampling are installed into the Floridan aquifer at similar depths. There are no other well clusters for comparative analyses.

## 4.6 RELATED PARAMETERS

Attachment 9 provides scatterplots for related parameters at the landfill. Scatterplots are a graphical representation of the relationship between two variables (parameters) for the same group of individuals (wells). A linear regression analysis is applied to the data and a regression equation and correlation coefficient ( $R^2$ ) are determined. The slope of the equation provides the linear relationship between the variables while the  $R^2$  value provides information on the strength of that relationship (how close the data are to the predicted values). The closer the  $R^2$  value is to 1.0, the stronger that linear relationship. For basic statistical analysis purposes, data with an  $R^2$  value of less than 0.3 is considered to have no or only a very weak linear relationship while data with an  $R^2$  value of greater than 0.7 is considered to have a strong linear relationship and  $R^2$  values of 0.5 indicate a moderate linear relationship. Parameter groups of interest at the landfill include Ion Strength/Dissolved Solids (Specific Conductance, Chloride, Sodium, and TDS), Metals (Arsenic, Iron, and Vanadium), and field parameters (pH, Turbidity, and Groundwater Elevation) and VOCs.

Specific Conductance is a measure of the ionic strength of dissolved ions in the water. Generally, as Specific Conductance increases, there will be corresponding increases in TDS, Chlorides, and Sodium as well as other ions.

- Scatterplots for data across the landfill indicate a strong correlation between Conductivity and TDS ( $R^2=0.9412$ ). There is a weak correlation between Conductivity and Chloride ( $R^2=0.3329$ ). Conductivity does not appear to be correlated with Sodium ( $R^2=0.1138$ ) or Ammonia-Nitrogen ( $R^2=0.1009$ ).
- TDS does not show a correlation with Chloride ( $R^2=0.2131$ ), Sodium ( $R^2=0.0893$ ) or Ammonia-Nitrogen ( $R^2=0.0398$ ).
- There is a moderately strong correlation between Sodium and Chloride ( $R^2=0.6375$ ).

Metals mobility in groundwater is a function of pH and/or oxidation-reduction potential (ORP). In general, cationic metal species are more soluble at an acidic pH while oxyanions become more soluble as pH increases. ORP is a measure of an aqueous system's capacity to either release or accept electrons from chemical reactions. A change in groundwater ORP influences the chemical species of the metal that can exist in the system and therefore the solubility of that metal.

- Scatterplots for various metals compared to GWE and pH show little to no correlation.

- There are however strong correlations between Turbidity and Barium ( $R^2=0.7284$ ) and Turbidity and Chromium ( $R^2=0.8435$ ) but not between Turbidity and Arsenic ( $R^2=0.0173$ ) or Iron ( $R^2=0.0116$ ).
- There is some positive correlation between Arsenic and Iron at the landfill, but it is not a strong correlation ( $R^2=0.3703$ ).
- Iron shows a weak to moderate correlation with Sodium ( $R^2=0.4162$ ) and a strong correlation with Chloride ( $R^2=0.8636$ ).

Correlations are often observed between VOCs, especially between parent compounds and breakdown products (such as chlorinated organic compounds) or between groups of compounds that occur together such as BTEXs (Benzene, Toluene, Ethylbenzene, and Xylenes) in crude oils and petroleum products such as gasoline.

- Strong correlations are observed between Benzene and 1,4-Dichlorobenzene ( $R^2=0.8150$ ) and Chlorobenzene ( $R^2=0.49062$ ).
- A strong correlation is observed between Benzene and Ethylbenzene ( $R^2=0.7808$ ), but there is no apparent correlation between Benzene and Toluene ( $R^2=0.1844$ ) or Xylenes ( $R^2=0.1844$ ).
- There are no apparent correlations between Vinyl Chloride and Dichloromethane ( $R^2=0.0000$ ), cis-1,2-Dichloroethene ( $R^2=0.0780$ ), or Benzene ( $R^2=0.1327$ ).

#### 4.7 ERRATIC AND POORLY CORRELATED DATA

- Low-level Acetone was reported occasionally in multiple wells and QC samples. Acetone is a common laboratory cross-contaminant and the reported Acetone is likely not representative of actual groundwater conditions.
- The increased parameter concentrations noted in background well MW-3 in 2018 appear to have been caused by an upgradient source and are anomalous compared to what is normally observed at the landfill nor do they match the parameter trends in site groundwater wells that are currently in assessment. Concentrations have been decreasing since peaking in 2018. Trending will continue to be closely monitored in MW-3 and wells down-gradient of MW-3.
- What appears to be an abrupt decrease in Arsenic and Barium in all wells in 2017 is actual due to changes in laboratory detection limits.
- The abrupt decrease in Barium in MW-3 and MW-20 from concentrations around 40 - 50 ug/L to below the detection in 2019 was caused by a change in the laboratory detection limit from 20 ug/L to 50 ug/L.
- Due to historically high Turbidity issues, compliance wells MW-10 and MW-21 were both sampled and analyzed for Dissolved Metals in addition to Total Metals
- Other than the data discussed above, there were no specific erratic or poorly correlated data that would indicate any significant sampling or laboratory problems with the data.

## 5 SUMMARY AND RECOMMENDATIONS

### 5.1 SUMMARY

Groundwater data collected from the Floridan Aquifer monitoring wells during the report period indicate some impact on groundwater quality at the landfill. The following exceedances of groundwater protection standards were noted:

- pH was below the SDWS lower standard of 6.5 S.U. in all wells during the report period except for MW-12 and MW-22.
- Nitrate-Nitrogen above the PDWS of 10 mg/L was reported in background well MW-3 during all but the Second Semiannual 2019 sampling event.
- Arsenic exceeded the PDWS of 10 ug/L in MW-20 during the First Semiannual 2020 sampling event and was confirmed by resample in June 2020.
- Iron exceeded the SDWS of 300 ug/L in all wells except background well MW-3 and assessment well MW-18D. Dissolved Iron in MW-10 and MW-21 were also above standard and consistent with Total Iron concentrations.
- Benzene was consistently reported above the PDWS of 1 ug/L in background well MW-7 and assessment well MW-19.
- Vinyl Chloride was consistently reported above the PDWS of 1 ug/L in assessment well MW-19. Vinyl Chloride was reported above the PDWS once in background well MW-7 during the Second Semiannual 2019 sampling event.
- Neither Benzene nor Vinyl Chloride were reported above their respective PDWS in recently installed assessment wells MW-18D, MW-19D, and compliance well MW-22 although Benzene and Vinyl Chloride at concentrations below the PDWS were reported in MW-19D.

Concentrations of the common leachate indicator parameters such as Chloride, Sodium, TDS, and Ammonia-Nitrogen are relatively low level and below groundwater protection standards. The Nitrate-Nitrogen exceedances and increases in Conductivity, Chloride, TDS, and Sodium in background well MW-3 are anomalous for the site. Landfills do not produce Nitrate-Nitrogen as it is the oxidized form of Nitrogen and landfills are highly reducing environments. MW-3 is one of the site background wells and located adjacent to the State forest. The exceedances of Nitrate-Nitrogen may be from an up-gradient off-site source such as agricultural fertilizer application for replanting after a controlled burn in the forest.

Low-pH values and elevated Iron concentrations across the landfill site appear to be naturally occurring although concentrations in MW-20 are significantly higher than in any other well.

#### Plume Delineation and Remediation North of the Closed Landfill Cells

Groundwater assessment at the landfill was first initiated due to VOC exceedances in MW-10, which is north of the closed landfill cells. As discussed in previous reports, the groundwater VOC exceedances are caused by landfill gas in contact with the groundwater. In 2010, a solar-powered gas extraction system was installed near MW-10 and it was successful in remediating the groundwater near the water table in that area; however, there have been more recent

groundwater exceedances in MW-19 and MW-21 that have the same characteristics as the exceedances reported in MW-10. These wells are also on the north site of the closed landfill. To further delineate the observed VOC exceedances, Citrus County installed three additional groundwater monitoring wells - MW-18D, MW-19D, and MW-22 - in accordance with the FDEP approved assessment plan dated June 6, 2017.

Groundwater delineation wells MW-18D and MW-22 did not report any detections of Benzene, Vinyl Chloride, or Dichloromethane during the report period. However, Benzene and Vinyl Chloride at concentrations below the PDWS were reported in MW-19D during the report period. The reported concentrations for both parameters are lower than those reported in MW-19 indicating limited vertical migration in this area.

The County has installed a dedicated landfill gas extraction system that is connected the existing gas extraction wells near MW-10 and the LFG vents on top of the northern end of the closed cells. The blower for this system malfunctioned shortly after installation and a new blower was installed in May 2020. The new landfill gas extraction system for the closed landfill cells was in full operation in June 2020. An evaluation of the effectiveness of this new LFG system will be included with the Second Semiannual 2020 sampling event as the system will have been in operation for a couple months when that sampling event occurs.

### **Remediation of the VOCs observed in MW-7**

Background well MW-7 continues to show elevated levels of VOCs at the upgradient boundary of the landfill. Leachate indicator parameter concentrations are low in background well MW-7 indicating that the increases in 1,4-Dichlorobenzene, Benzene, Chlorobenzene, and Iron in that well are not associated with landfill leachate or from an off-site source but rather also appear to be caused by landfill gas in contact with the groundwater. As part of the active cell's landfill gas extraction system expansion project, a dedicated LFG extraction well was installed near MW-7 outside of the waste filled areas and connected to the County's extraction system.

The LFG extraction system expansion project was completed in February 2020 and has been in operation since then. The dedicated LFG extraction well near MW-7 is installed and pulling gas out of the subsurface outside of the landfill footprint. Benzene has increased in MW-7 since the LFG well installation while Vinyl Chloride has decreased below the laboratory detection limit; there continues to be no Dichloromethane reported in this well. Chlorobenzene, 1,4-Dichlorobenzene, and Ethylbenzene have followed increasing trends parallel to Benzene; however, Ethylbenzene dropped significantly during the First Semiannual 2020 sampling event. The large concentration changes, both increases and decreases, observed during the report period show that the new dedicated LFG extraction well near MW-7 is affecting the groundwater in that area. As more landfill gas is removed and the partial pressure caused by the LFG in contact with the groundwater continues to decrease, we expect the concentrations of remaining VOCs in the groundwater to also decrease.

## **5.2 RECOMMENDATIONS**

Positioning of the current monitoring well network is appropriate, based on site-specific conditions, to detect potential groundwater contamination emanating from the landfill in the Floridan aquifer at the site.



The maximum calculated average groundwater velocity at the landfill is 37.3 feet/year. Based on this, continued semiannual groundwater monitoring should be adequate for detecting possible contamination from the landfill.

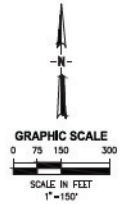
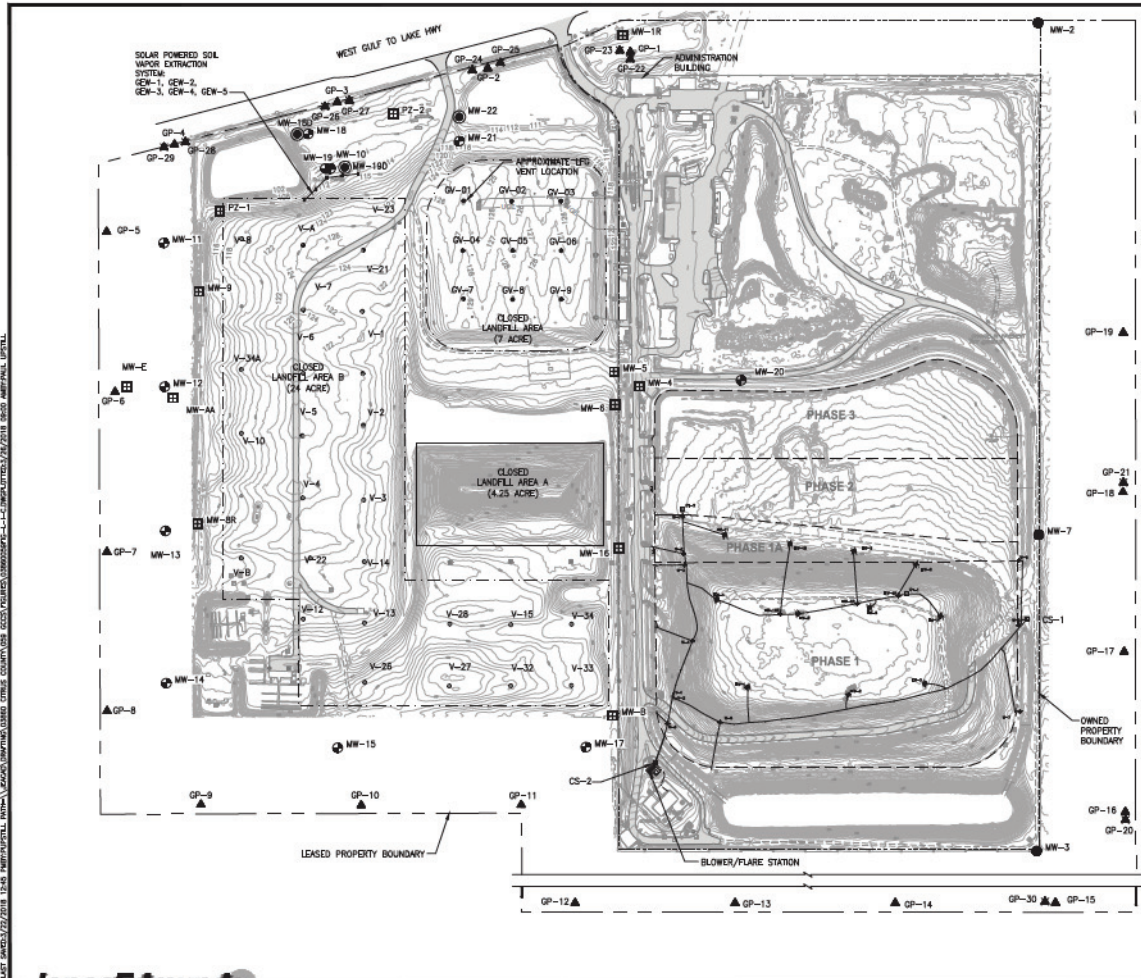
No modifications to the site monitoring network are proposed at this time.

## 6 REFERENCES

- Brooks, H.K., 1981. *Guide to the Physiographic Divisions of Florida*. Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Florida.
- CDM Smith Inc.; September 2015. Citrus County Central Class I Landfill Water Quality Monitoring Plan Evaluation Report 2013-2015.
- Fetter, CW. 2001. *Applied Hydrogeology* (4th ed.). Prentice Hall, Upper Saddle River, New Jersey.
- Jones Edmunds & Associates, Inc.; 2006. Citrus County Central Landfill Groundwater Investigation Report, Response to FDEP Request for Additional Information.
- Jones Edmunds & Associates, Inc.; September 2007. Citrus County Central Class I Landfill Biennial Report 2004-2007.
- Jones Edmunds & Associates, Inc.; October 2016. Citrus County Central Landfill Contamination Assessment Plan – Phase I, October 2016.
- Jones Edmunds & Associates, Inc. Citrus County Central Class I Landfill First Semiannual 2018 – First Semiannual 2020 Compliance Monitoring Reports.
- Jones Edmunds & Associates, Inc.; November 2017. Citrus County Central Landfill - Landfill Gas Assessment and Groundwater Delineation Report.
- Vernon, R.O., 1951. *Geology of Citrus and Levy Counties, Florida*. The Florida Geological Survey, Geological Bulletin No. 33.

## **Attachment 1**

### **Site Map and Survey Map**

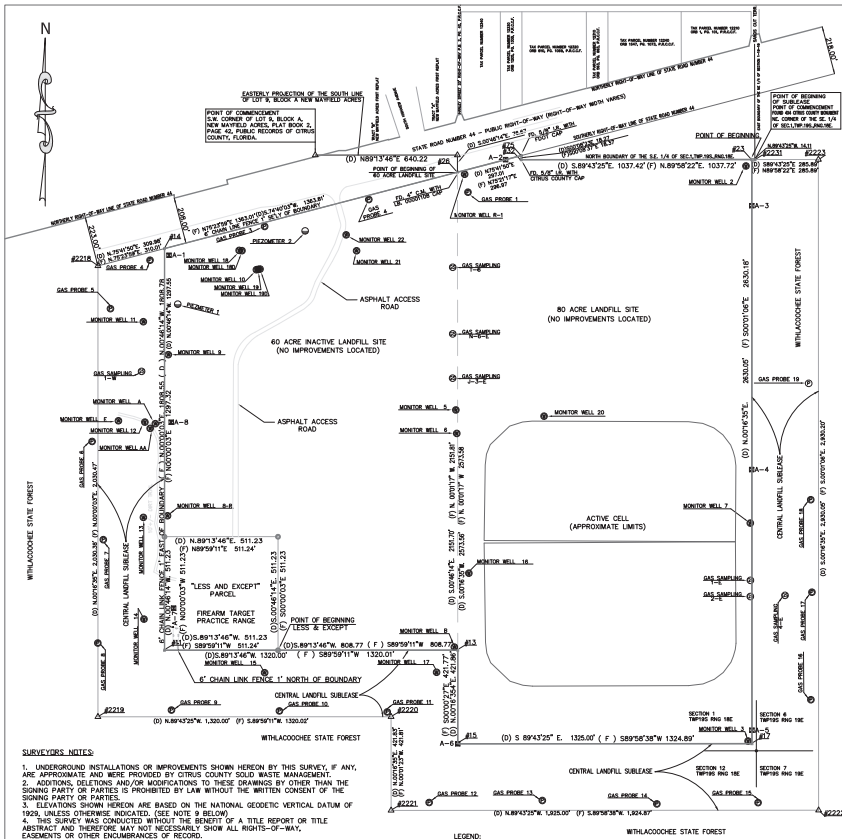


**LEGEND**

- ◉ CW-1 LFG EXTRACTION WELL
- ⊕ CW-10 DOWNSLOPE LFG EXTRACTION WELL
- ⊕ CW-08 REMOTE LFG EXTRACTION WELLHEAD
- ▣ CS-2 HEADER/LATERAL CONDENSATE SUMP
- MW-7 BACKGROUND WELLS
- ⊙ MW-13 COMPLIANCE MONITORING WELL
- ⊕ V-33 PASSIVE GAS VENT
- ⊕ GV-06 PASSIVE GAS VENT (INSTALLED 2009)
- ⊕ PZ-1 PEIZOMETERS
- ▣ MW-9 PEIZOMETERS
- ▲ GP-1 GAS PROBE
- ▲ W-7 LEACHATE CLEANOUT RISER WELLHEAD
- × GP-21 NEW LFG PROBE (2017)
- ⊙ MW-22 NEW GW MONITORING WELL (2017)

- NOTES:**
1. TOPOGRAPHIC CONTOURS PREPARED BY PICKETT SURVEYING, DATED 09/28/17.
  2. EXISTING LFG VENTS MAY NOT BE LABELED AS SHOWN.

**MONITORING NETWORK  
CITRUS COUNTY CENTRAL LANDFILL  
CITRUS COUNTY, FLORIDA**



DESIGNATION AS FURNISHED

A PORTION OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, FOLLOWING BOUNDARY, CITRUS COUNTY, FLORIDA, BEING PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE SOUTH 1/4 OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, BEARING S 89°13'46\"/>

DESIGNATION AS FURNISHED

A PORTION OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, FOLLOWING BOUNDARY, CITRUS COUNTY, FLORIDA, BEING PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE SOUTH 1/4 OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, BEARING S 89°13'46\"/>

DESIGNATION AS FURNISHED

A PORTION OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, FOLLOWING BOUNDARY, CITRUS COUNTY, FLORIDA, BEING PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE SOUTH 1/4 OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, BEARING S 89°13'46\"/>

DESIGNATION AS FURNISHED

A PORTION OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, FOLLOWING BOUNDARY, CITRUS COUNTY, FLORIDA, BEING PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE SOUTH 1/4 OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, BEARING S 89°13'46\"/>

POINT NUMBER	X COORDINATE	Y COORDINATE	ELEVATION
12	514395.1907	1643753.8871	
26	514274.1808	1644697.2662	
75	516001.9039	1644172.6004	
32	516001.9039	1644172.6004	
221	517053.3100	1644154.6790	
223	517338.2700	1644154.6790	
17	517040.1100	1641244.3131	
2222	517340.3963	1641244.3131	
2221	516414.3369	1641244.3131	
16	517274.2180	1641244.3131	
13	517275.1532	1641845.7098	
2220	516414.1689	1641845.7098	
2219	514295.1490	1641845.7098	
2218	514295.1795	1643675.8414	
11	514295.1535	1641845.4381	

AERIAL TARGET NUMBER	X COORDINATE	Y COORDINATE	ELEVATION
A-1	514445.7013	1643753.8871	119.14'
A-2	515240.7731	1644164.5668	116.18'
A-3	517070.1863	1643947.0030	130.73'
A-4	517070.7010	1642768.8431	130.00'
A-5	517070.8417	1641584.9831	119.62'
A-6	517315.2190	1641503.9862	109.00'
A-7	514452.8277	1642154.6139	115.28'
A-8	514452.9363	1642071.9711	109.50'

**SURVEYORS' NOTES:**

- UNDERGROUND INSTALLATIONS OR IMPROVEMENTS SHOWN HEREON BY THIS SURVEY, IF ANY, ARE APPROXIMATE AND WERE PROVIDED BY CITRUS COUNTY SOLID WASTE MANAGEMENT.
- ADDITIONS, DELETIONS AND/OR MODIFICATIONS TO THESE DRAWINGS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED BY LAW WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929, UNLESS OTHERWISE INDICATED. SEE NOTE # BELOW.
- THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A TITLE REPORT OR TITLE ABSTRACT AND THEREFORE DOES NOT NECESSARILY SHOW ALL RIGHTS-OF-WAY, EASEMENTS OR OTHER ENCUMBRANCES OF RECORD.
- EXTENSION BENCH MARKS, FLORIDA DEPARTMENT OF TRANSPORTATION BENCH MARK NO. 544 PUBLISHED ELEVATION 115.22' N.G.V.D. 1929 AND FL DEP BENCHMARK CITRUS 14, NAVD 78 ELEVATION OF 132.07' (NAVD 79 ELEVATION OF 135.97').
- IF THERE ARE INTERNAL IMPROVEMENTS THAT WERE NOT LOCATED BY THIS SURVEY, BEARINGS AS SHOWN HEREON ARE BASED ON THE NORTH BOUNDARY OF THE SE 1/4 OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, HAVING A BEARING OF N89°22'22\"/>

**LEGEND:**

- - - - - DESCRIPTIVE POINT
- - - - - MONITORING WELL
- - - - - PIZOMETER
- - - - - GAS PROBE
- - - - - AERIAL TARGET
- NDVD - NATIONAL GEODETIC VERTICAL DATUM OF 1929
- NAVD - NORTH AMERICAN VERTICAL DATUM OF 1988
- (D) - DIMENSION/INFORMATION BASED ON DEED
- (C.M.) - DIMENSION/INFORMATION BASED ON FIELD MEASURE
- IR - IRON ROD
- FL - FLORIDA
- F.D.M. - FLORIDA DEPARTMENT OF TRANSPORTATION
- F.D.P. - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- TWP - TOWNSHIP
- RNG - RANGE

REVISIONS	JOB NO.	15-039	SPECIFIC PURPOSE SURVEY
	DRAWN BY:	MTT	
	DATE:	06-10-2015	
	SCALE:	1" = 20'	
	SHEET NO. OF		
	FIELD DATE:	6-11-2015	
	DATE AND TIME OF SURVEY:	14 JAN 15	
	SECTION:	18	
	TOWNSHIP:	19 S	
	RANGE:	18 E	

**Citrus County**  
Division of Engineering  
Survey Section

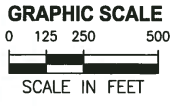
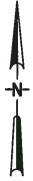
DATE: SEPTEMBER 14, 2017  
DRAWN BY: MTT  
DATE: 06-10-2015

Not valid without the original red and signature of a Florida Licensed Surveyor and Mapper

## **Attachment 2**

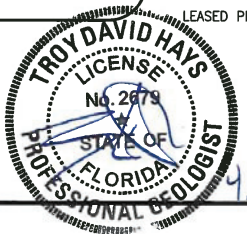
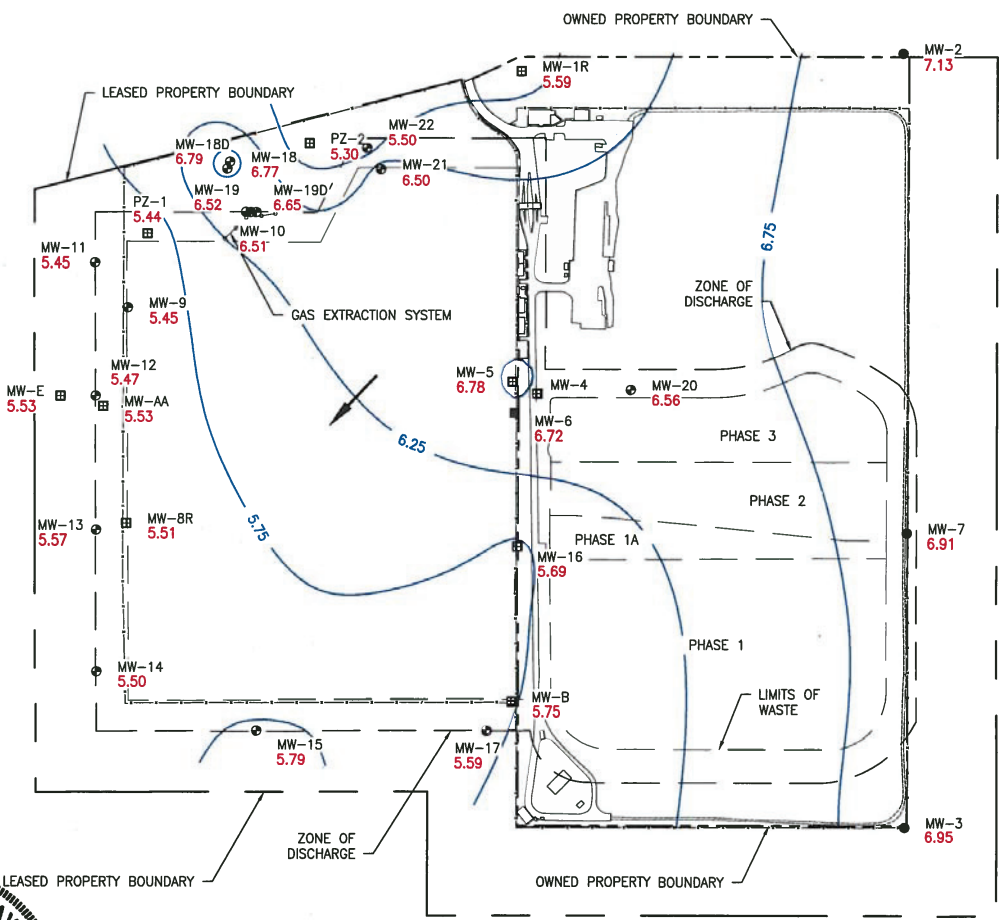
### **Groundwater Contour Maps**

03860-018-01  
 LAST SAVED: 4/13/2018 9:58 AM PKARDISH  
 \\veccoa\GWA\Jones Edmunds\Citrus County\Central Landfill\GWA 2018\1851\Citrus\_1851.dwg



**LEGEND**

- MW-11 5.45 ● BACKGROUND WELLS
- GROUNDWATER ELEVATION
- ⊕ COMPLIANCE MONITORING WELL
- ⊕ ASSESSMENT MONITORING WELL
- INTERMEDIATE WELL
- PZ-1 5.44 ⊞ PIEZOMETERS
- GAS EXTRACTION WELL
- ← GROUNDWATER FLOW DIRECTION
- 5.75 ——— GROUNDWATER CONTOUR AT 0.50 FOOT INTERVAL
- - - ZONE OF DISCHARGE
- - - PROPERTY BOUNDARY (OWNED BY COUNTY)
- - - LIMITS OF WASTE
- - - PROPERTY BOUNDARY (LEASED BY COUNTY)

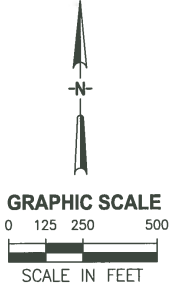


CITRUS COUNTY CENTRAL LANDFILL  
 GROUNDWATER CONTOUR MAP  
 FEBRUARY 5, 2018

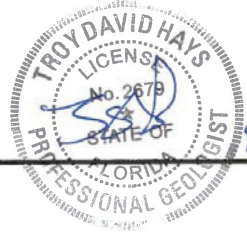
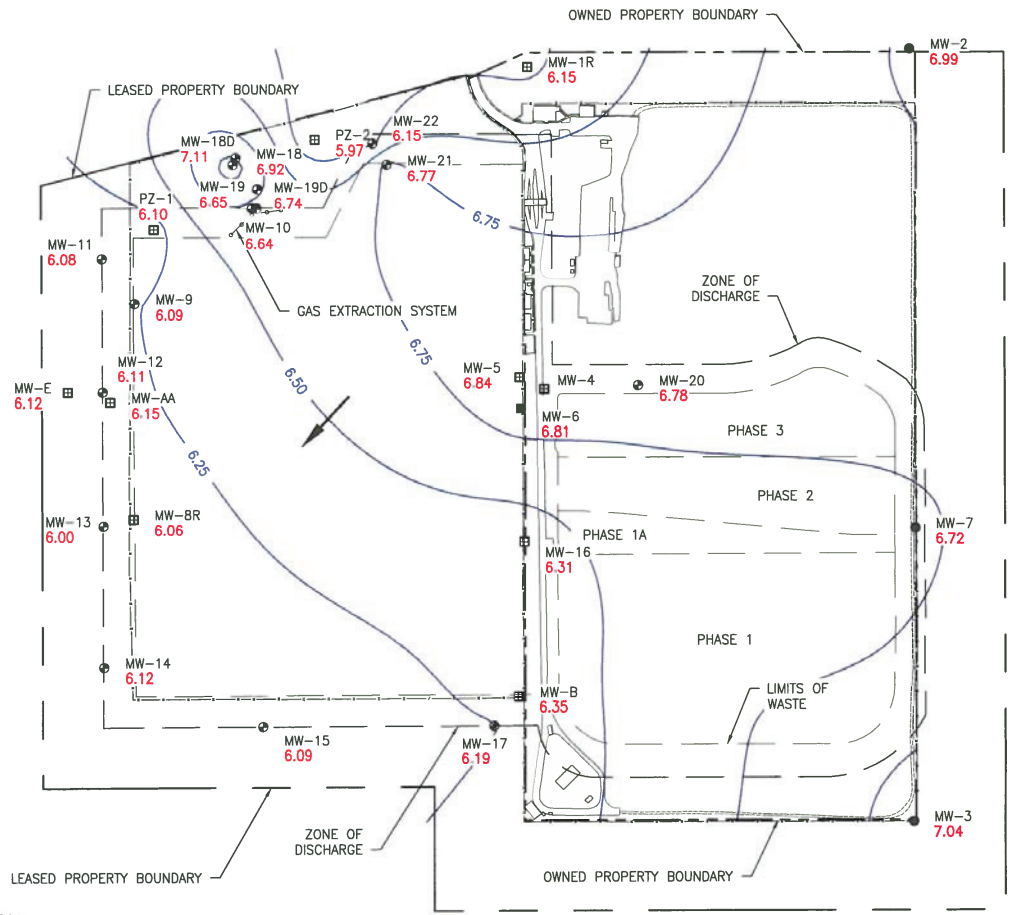


03860-018-01

LAST SAVED: 9/21/2018 4:28 PM BTHOMAS \\jessica\gmm\Jones Edmunds\Citrus County\Central Landfill\GWM\_2018\1852\Citrus\_1852.dwg



LEGEND	
MW-11 6.08	● BACKGROUND WELLS
⊕	○ GROUNDWATER ELEVATION
⊕	○ COMPLIANCE MONITORING WELL
⊕	○ ASSESSMENT MONITORING WELL
⊕	○ INTERMEDIATE WELL
PZ-1 6.10	⊕ PIEZOMETERS
○	○ GAS EXTRACTION WELL
←	← GROUNDWATER FLOW DIRECTION
6.50	— GROUNDWATER CONTOUR AT 0.25 FOOT INTERVAL
---	--- ZONE OF DISCHARGE
---	--- PROPERTY BOUNDARY (OWNED BY COUNTY)
---	--- LIMITS OF WASTE
---	--- PROPERTY BOUNDARY (LEASED BY COUNTY)

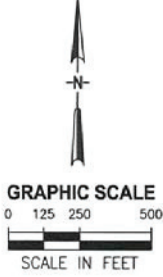


CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CONTOUR MAP  
JULY 23, 2018



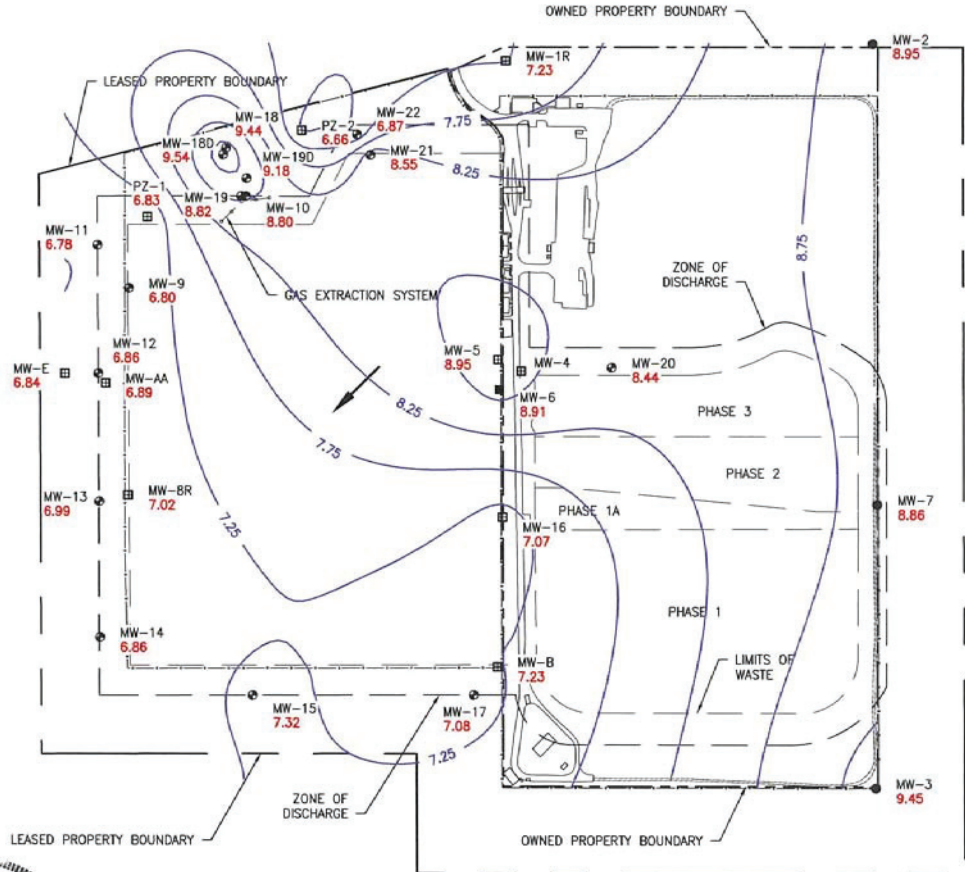


PLOTTED: 4/19/2019 12:23 PM SURFER12



**LEGEND**

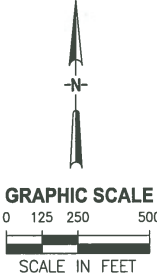
- MW-11  
6.78 ● BACKGROUND WELLS  
GROUNDWATER ELEVATION
- ⊕ COMPLIANCE MONITORING WELL
- ⊕ ASSESSMENT MONITORING WELL
- INTERMEDIATE WELL
- PZ-1  
6.83 ◻ PIEZOMETERS
- GAS EXTRACTION WELL
- ← GROUNDWATER FLOW DIRECTION
- 7.25 ——— GROUNDWATER CONTOUR AT  
0.50 FOOT INTERVAL
- - - - - ZONE OF DISCHARGE
- - - - - PROPERTY BOUNDARY  
(OWNED BY COUNTY)
- - - - - LIMITS  
OF WASTE
- - - - - PROPERTY BOUNDARY  
(LEASED BY COUNTY)



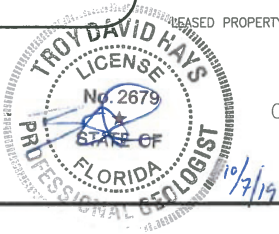
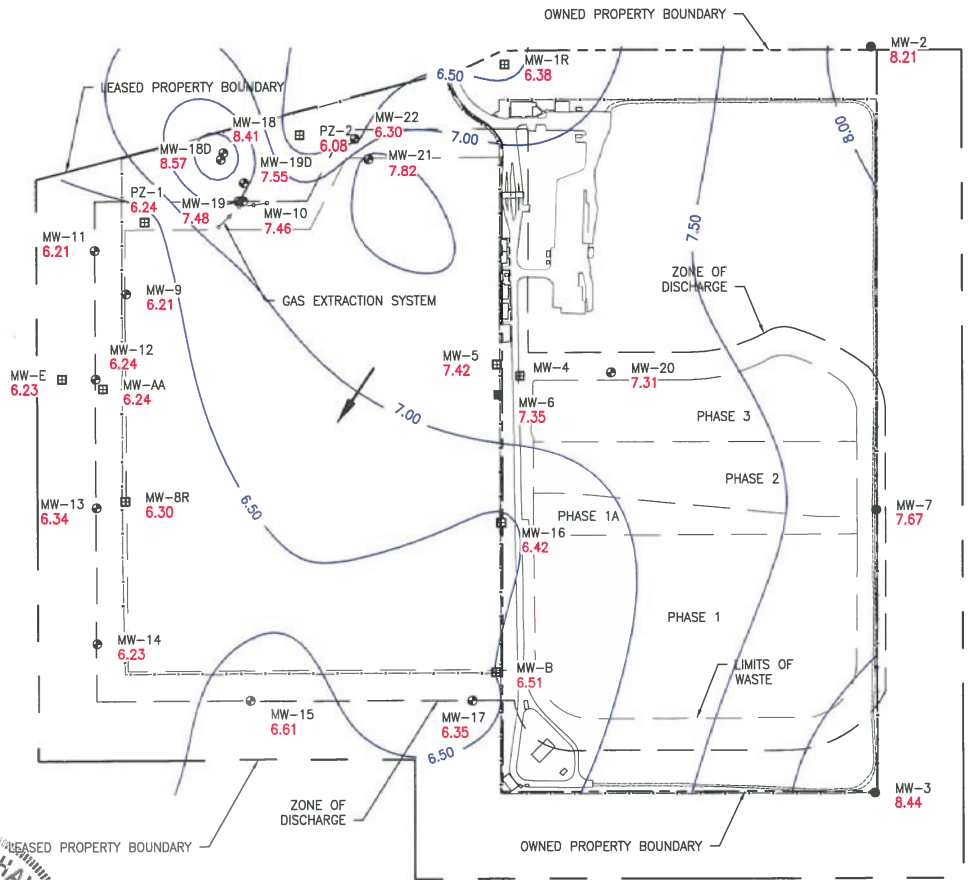
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CONTOUR MAP  
FEBRUARY 11, 2019

SAVED: 4/19/2019 12:22 PM SURFER12 \\HEACAD\GMA\JONES EDWARDS\CITRUS COUNTY\CENTRAL LANDFILL\GWM 2019\1951\CITRUS\_1951.DWG

PLOTTED: 8/6/2019 04:48 PM SURFER12



- LEGEND**
- MW-11 6.21 ● BACKGROUND WELLS
  - 6.21 ○ GROUNDWATER ELEVATION
  - ⊕ COMPLIANCE MONITORING WELL
  - ⊕ ASSESSMENT MONITORING WELL
  - INTERMEDIATE WELL
  - PZ-1 6.24 □ PIEZOMETERS
  - GAS EXTRACTION WELL
  - ← GROUNDWATER FLOW DIRECTION
  - 7.25 — GROUNDWATER CONTOUR AT 0.50 FOOT INTERVAL
  - - - ZONE OF DISCHARGE
  - - - PROPERTY BOUNDARY (OWNED BY COUNTY)
  - - - LIMITS OF WASTE
  - - - PROPERTY BOUNDARY (LEASED BY COUNTY)

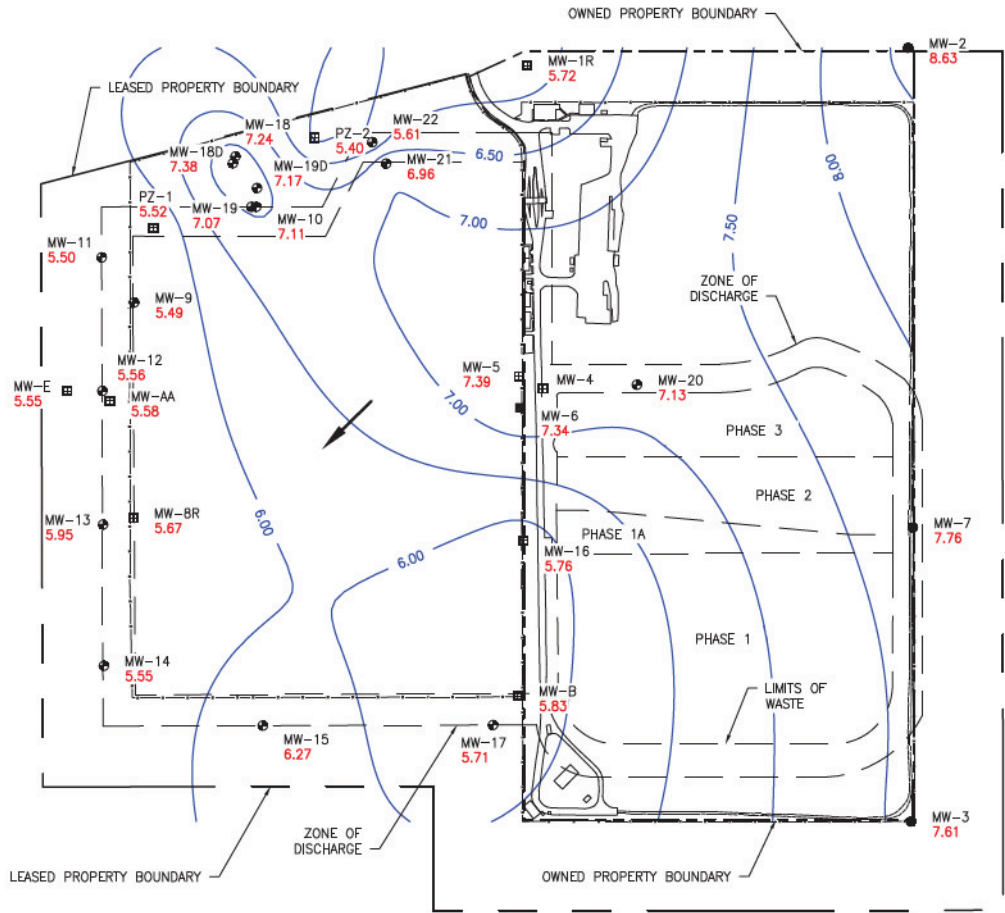
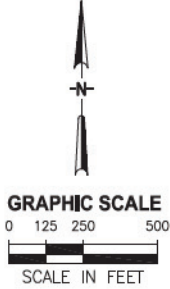


CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CONTOUR MAP  
JULY 22, 2019



S:\MED: 8/6/2019 4:45 PM SURFER12 \\MED\CAD\CINA\WORKS\EDMUNDS\CITRUS COUNTY CENTRAL LANDFILL\DWG 2019\1952\CITRUS\_1952.DWG

PLOTTED: 6/8/2020 08:47 AM SURFER12



LEGEND	
MW-11 5.50	● BACKGROUND WELLS ● GROUNDWATER ELEVATION
⊕	⊕ COMPLIANCE MONITORING WELL
⊕	⊕ ASSESSMENT MONITORING WELL
■	■ INTERMEDIATE WELL
PZ-1 5.52	⊞ PIEZOMETERS
•	• GAS EXTRACTION WELL
←	← GROUNDWATER FLOW DIRECTION
7.50	7.50 GROUNDWATER CONTOUR AT 0.50 FOOT INTERVAL
- - -	- - - ZONE OF DISCHARGE
- - -	- - - PROPERTY BOUNDARY (OWNED BY COUNTY)
- - -	- - - LIMITS OF WASTE
- - -	- - - PROPERTY BOUNDARY (LEASED BY COUNTY)



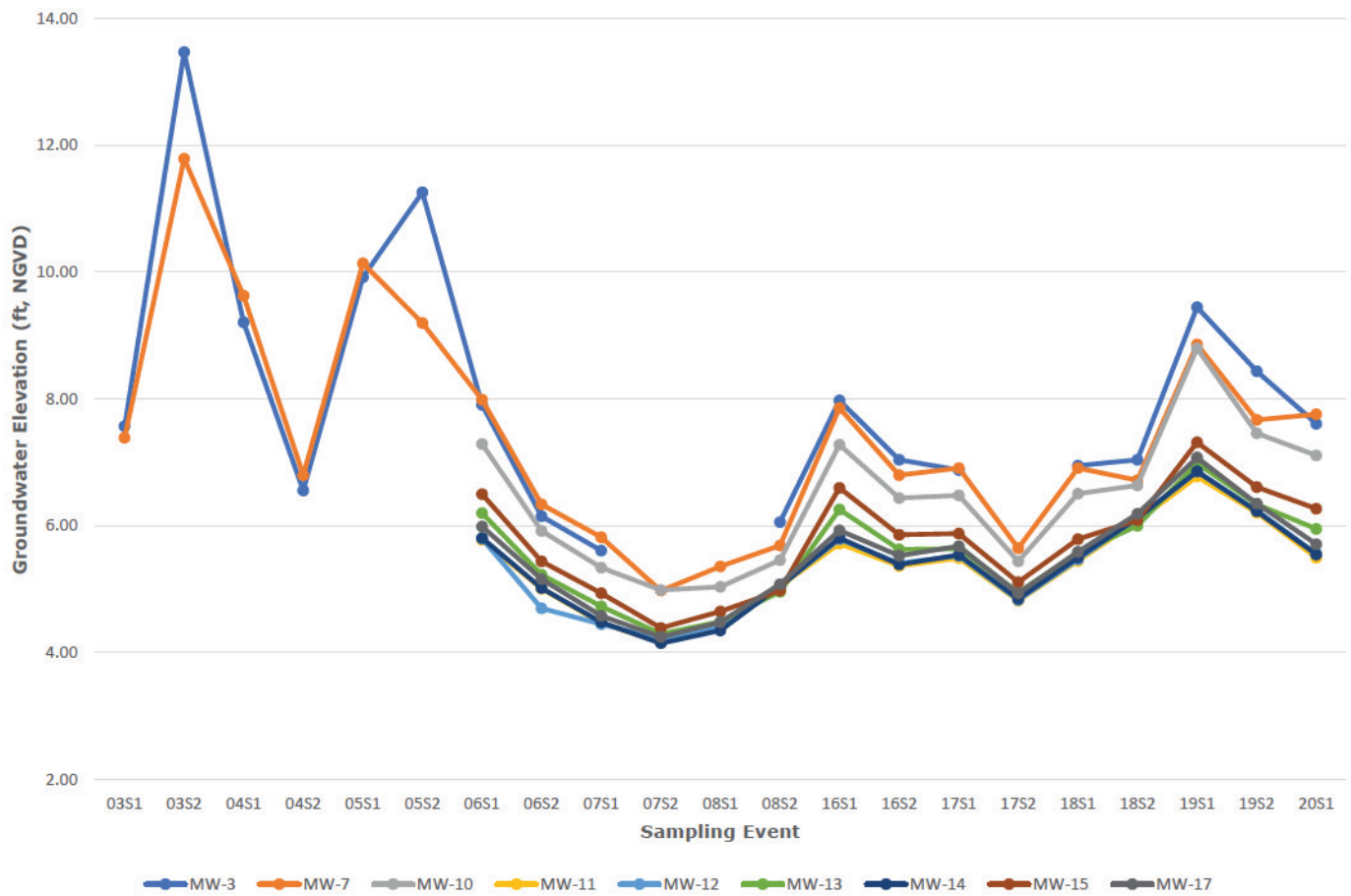
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CONTOUR MAP  
MARCH 30, 2020

SAVED: 6/5/2020 11:25 AM SURFER12 \\E:\CAD\GWA\JONES EDMUNDS\CITRUS COUNTY CENTRAL LANDFILL\GWA 2020\2051\CITRUS\_2051.DWG

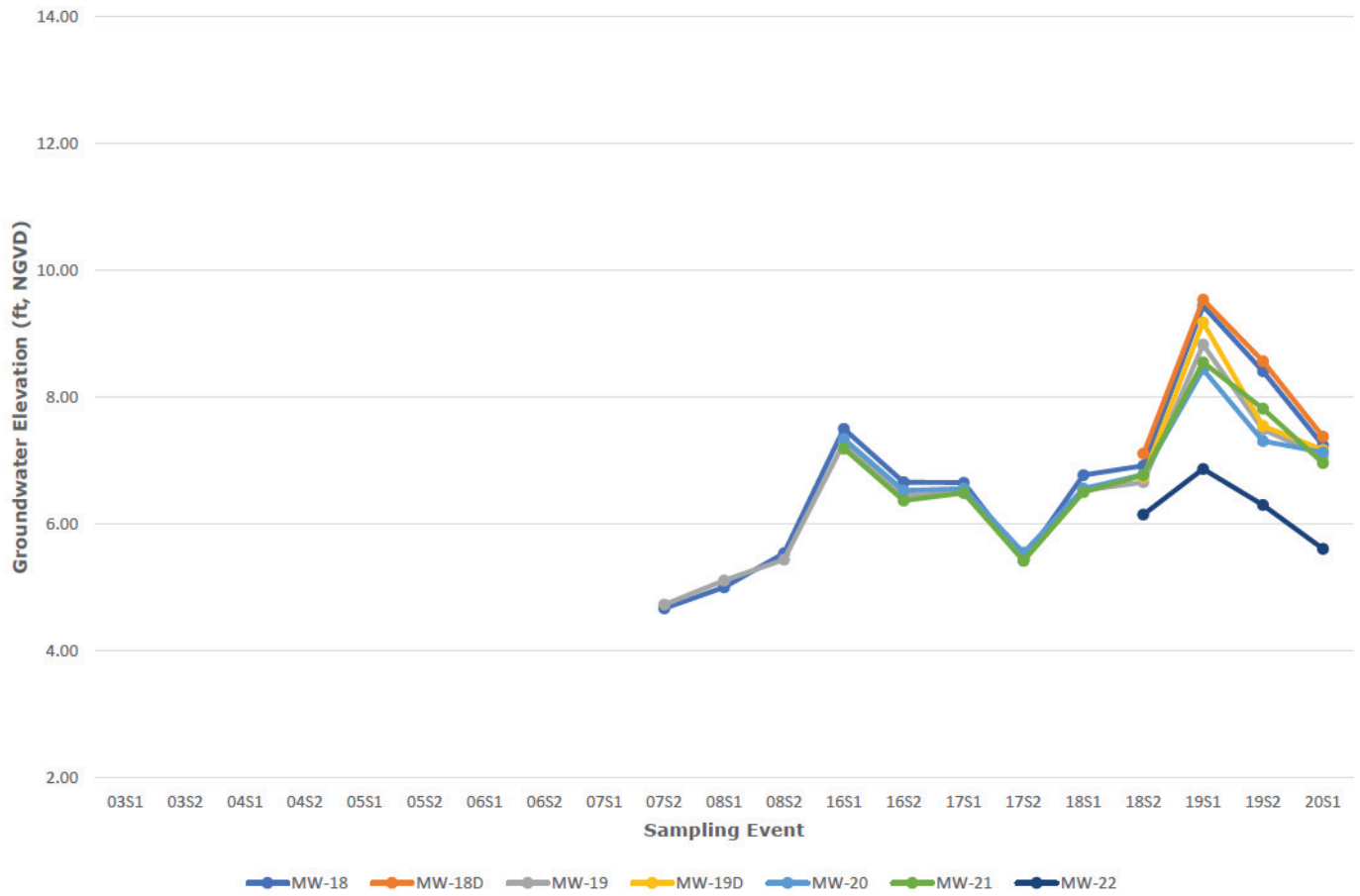
## **Attachment 3**

# **Hydrographs and Groundwater Velocity Calculations**

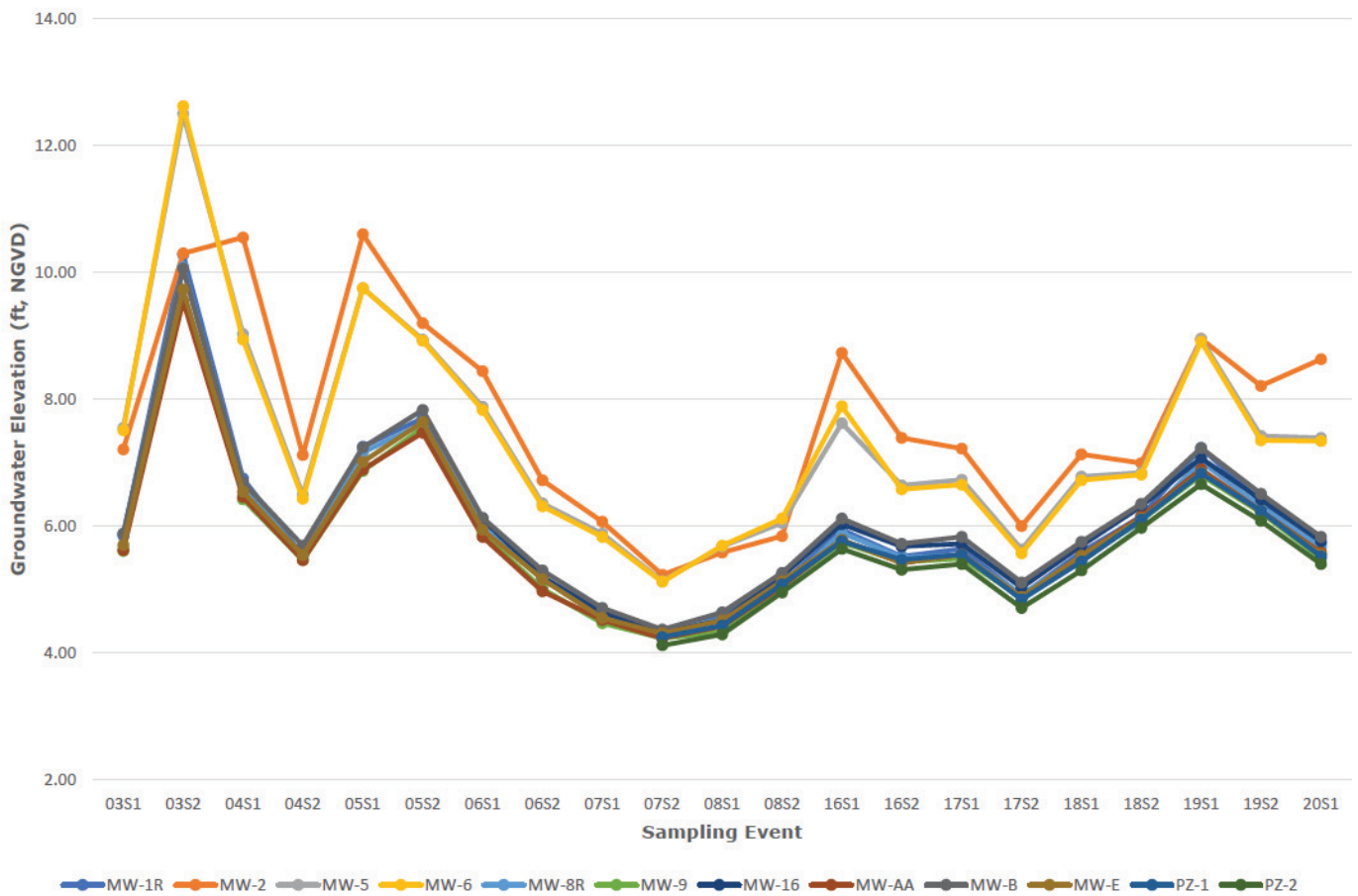
### CITRUS COUNTY CLASS I CENTRAL LANDFILL HISTORICAL HYDROGRAPH OF THE FLORIDAN AQUIFER



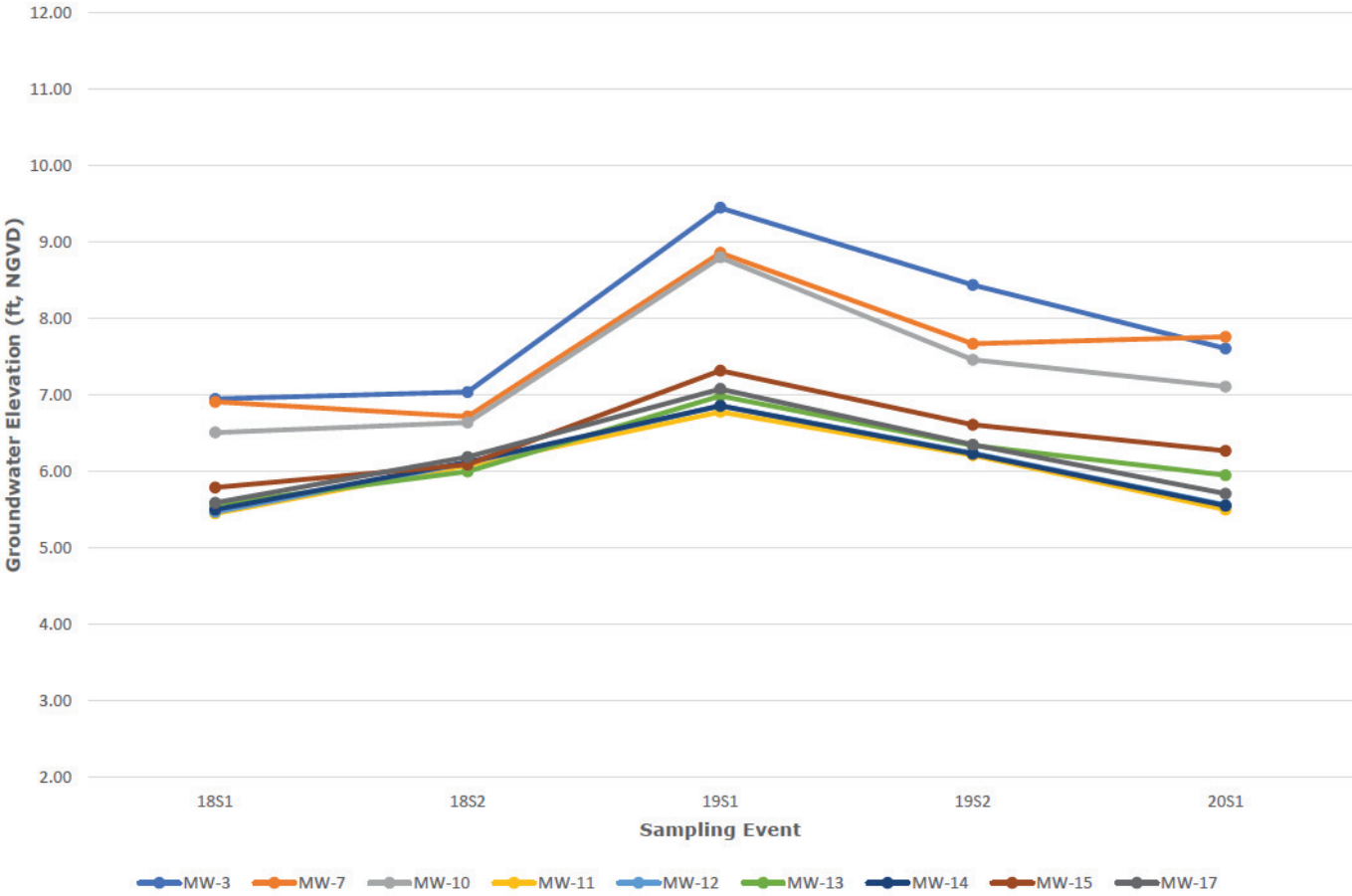
### CITRUS COUNTY CLASS I CENTRAL LANDFILL HISTORICAL HYDROGRAPH OF THE FLORIDAN AQUIFER



### CITRUS COUNTY CLASS I CENTRAL LANDFILL HISTORICAL HYDROGRAPH OF THE FLORIDAN AQUIFER

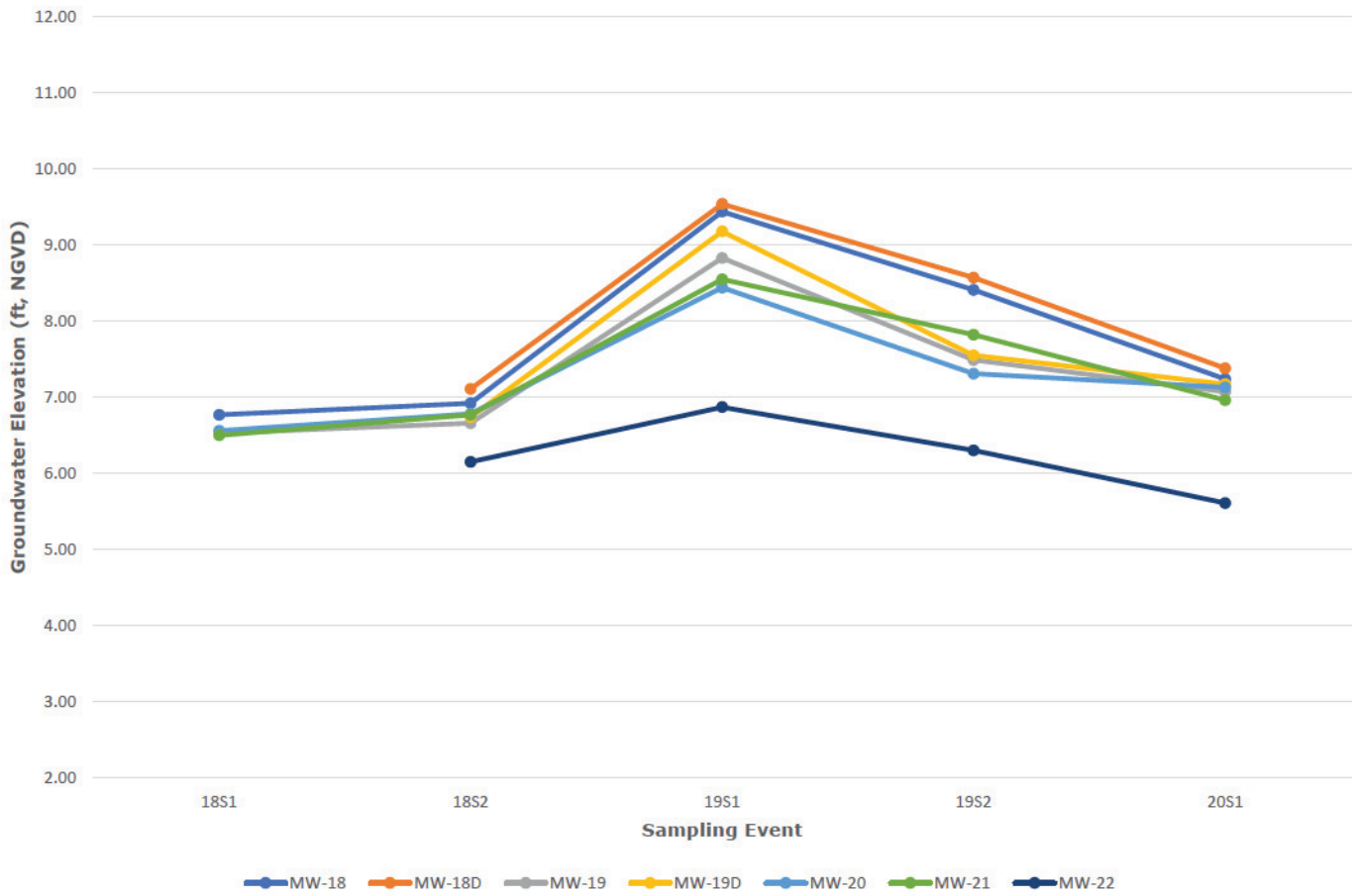


### CITRUS COUNTY CLASS I CENTRAL LANDFILL HYDROGRAPH OF THE FLORIDAN AQUIFER

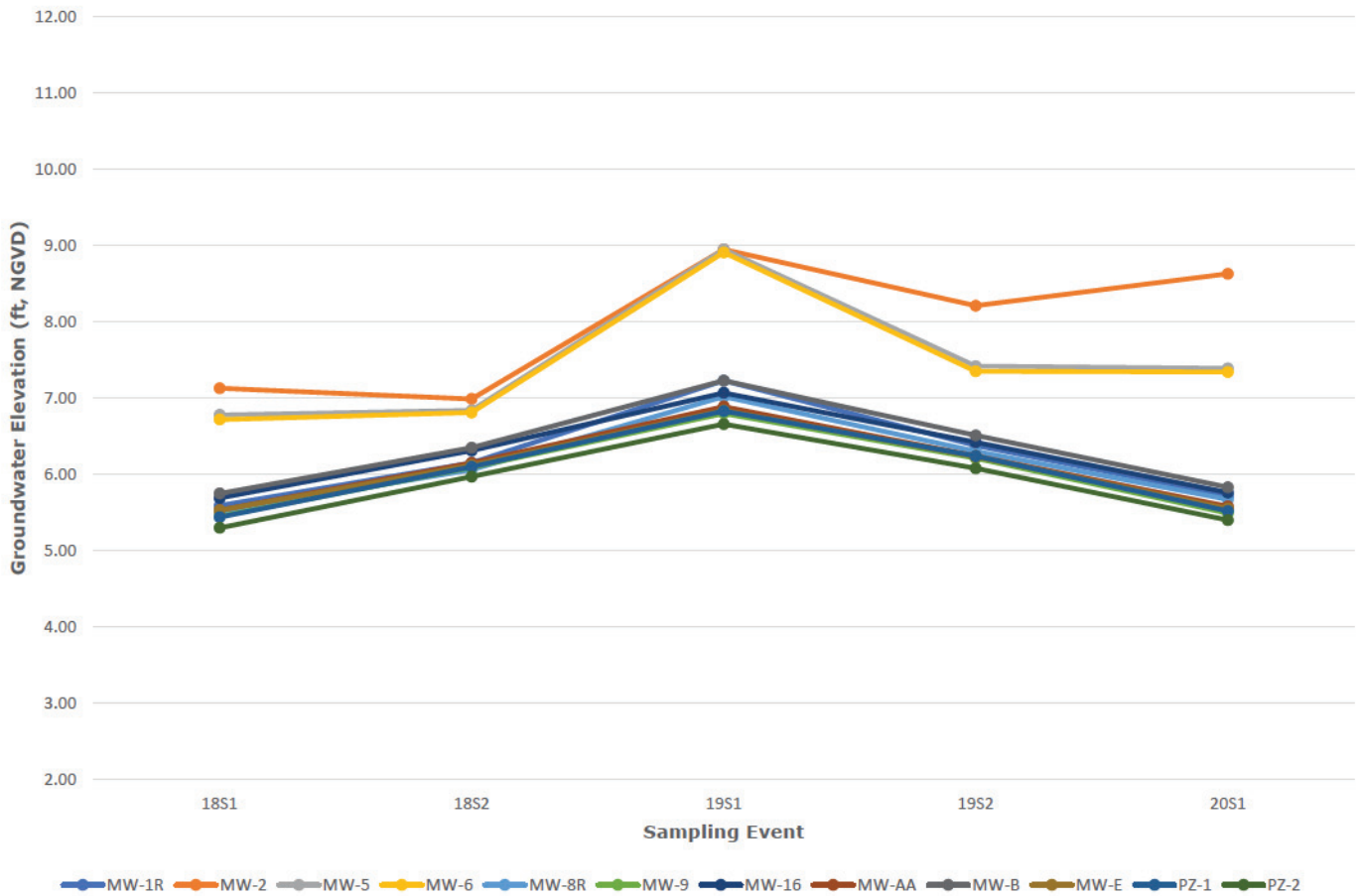




### CITRUS COUNTY CLASS I CENTRAL LANDFILL HYDROGRAPH OF THE FLORIDAN AQUIFER



### CITRUS COUNTY CLASS I CENTRAL LANDFILL HYDROGRAPH OF THE FLORIDAN AQUIFER



CITRUS COUNTY CLASS I CENTRAL LANDFILL  
GROUNDWATER VELOCITY CALCULATIONS

Wells Used to Calculate Gradient	Date	Up-gradient Elevation (ft)	Down-gradient Elevation (ft)	Distance Between Wells (ft)	Flow Gradient <i>i</i> (rise/run)	Maximum Hydraulic Conductivity <i>K</i> (ft/day)	Porosity <i>n</i> (%)	Darcian Velocity ( <i>K/n</i> ) <i>I</i> (ft/day)	Linear Velocity (ft/yr)
MW-2 to MW-AA	2/5/2018	7.13	5.53	2947	0.000543	40.04	0.25	0.087	31.7
	7/23/2018	6.99	6.15	2947	0.000285	40.04	0.25	0.046	16.7
	2/11/2019	8.95	6.89	2947	0.000699	40.04	0.25	0.112	40.9
	7/22/2019	8.21	6.24	2947	0.000668	40.04	0.25	0.107	39.1
	3/30/2020	8.63	5.58	2947	0.001035	40.04	0.25	0.166	60.5
MW-2 to MW-B	2/5/2018	7.13	5.75	2546	0.000542	40.04	0.25	0.087	31.7
	7/23/2018	6.99	6.35	2546	0.000251	40.04	0.25	0.040	14.7
	2/11/2019	8.95	7.23	2546	0.000676	40.04	0.25	0.108	39.5
	7/22/2019	8.21	6.51	2546	0.000668	40.04	0.25	0.107	39.0
	3/30/2020	8.63	5.83	2546	0.001100	40.04	0.25	0.176	64.3
MW-2 to MW-14	2/5/2018	7.13	5.50	3423	0.000476	40.04	0.25	0.076	27.8
	7/23/2018	6.99	6.12	3423	0.000254	40.04	0.25	0.041	14.9
	2/11/2019	8.95	5.86	3423	0.000903	40.04	0.25	0.145	52.8
	7/22/2019	8.21	6.23	3423	0.000578	40.04	0.25	0.093	33.8
	3/30/2020	8.63	5.55	3423	0.000900	40.04	0.25	0.144	52.6
<b>MAXIMUM AVERAGE GROUNDWATER VELOCITY</b>								<b>37.3</b>	

Wells Used to Calculate Gradient	Date	Up-gradient Elevation (ft)	Down-gradient Elevation (ft)	Distance Between Wells (ft)	Flow Gradient <i>i</i> (rise/run)	Average Hydraulic Conductivity <i>K</i> (ft/day)	Porosity <i>n</i> (%)	Darcian Velocity ( <i>K/n</i> ) <i>I</i> (ft/day)	Linear Velocity (ft/yr)
MW-2 to MW-AA	2/5/2018	7.13	5.53	2947	0.000543	4.86	0.25	0.011	3.9
	7/23/2018	6.99	6.15	2947	0.000285	4.86	0.25	0.006	2.0
	2/11/2019	8.95	6.89	2947	0.000699	4.86	0.25	0.014	5.0
	7/22/2019	8.21	6.24	2947	0.000668	4.86	0.25	0.013	4.7
	3/30/2020	8.63	5.58	2947	0.001035	4.86	0.25	0.020	7.3
MW-2 to MW-B	2/5/2018	7.13	5.75	2546	0.000542	4.86	0.25	0.011	3.8
	7/23/2018	6.99	6.35	2546	0.000251	4.86	0.25	0.005	1.8
	2/11/2019	8.95	7.23	2546	0.000676	4.86	0.25	0.013	4.8
	7/22/2019	8.21	6.51	2546	0.000668	4.86	0.25	0.013	4.7
	3/30/2020	8.63	5.83	2546	0.001100	4.86	0.25	0.021	7.8
MW-2 to MW-14	2/5/2018	7.13	5.50	3423	0.000476	4.86	0.25	0.009	3.4
	7/23/2018	6.99	6.12	3423	0.000254	4.86	0.25	0.005	1.8
	2/11/2019	8.95	5.86	3423	0.000903	4.86	0.25	0.018	6.4
	7/22/2019	8.21	6.23	3423	0.000578	4.86	0.25	0.011	4.1
	3/30/2020	8.63	5.55	3423	0.000900	4.86	0.25	0.017	6.4
<b>AVERAGE GROUNDWATER VELOCITY</b>								<b>4.5</b>	

## **Attachment 4**

### **Groundwater Parameters Reported At or Outside Groundwater Standards**

**ANALYSIS RESULTS COMPARED TO GROUNDWATER STANDARDS AND/OR GUIDANCE CONCENTRATIONS  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER		pH (FIELD)	NITRATE NITROGEN	ARSENIC	IRON	IRON, DISSOLVED	BENZENE	VINYL CHLORIDE
STANDARD UNITS		6.5-8.5 S.U.** S.U.	10 mg/L* mg/L	10 µg/L* µg/L	300 µg/L** µg/L	300 µg/L** µg/L	1 µg/L* µg/L	1 µg/L* µg/L
<b>Background</b>								
MW-3	02/07/2018	4.66	15	-	-	NM	-	-
MW-3	07/25/2018	4.39	11	-	-	NM	-	-
MW-3	02/13/2019	4.73	14	-	-	NM	-	-
MW-3	07/25/2019	4.70	-	-	-	NM	-	-
MW-3	04/01/2020	4.73	12	-	-	NM	-	-
MW-7	02/07/2018	5.12	-	-	1480	NM	2.8	-
MW-7	07/25/2018	4.86	-	-	1630	NM	4.4	-
MW-7	02/13/2019	5.17	-	-	1620	NM	4.7	-
MW-7	07/25/2019	5.06	-	-	1680	NM	5.0	1.1
MW-7	04/01/2020	5.09	-	-	1780	NM	7.1	-
<b>Compliance</b>								
MW-10	02/07/2018	4.72	-	-	3860	3590	-	-
MW-10	07/25/2018	4.43	-	-	4040	3090	-	-
MW-10	02/14/2019	4.68	-	-	2120	911	-	-
MW-10	07/25/2019	4.74	-	-	4350	2510	-	-
MW-10	04/01/2020	4.61	-	-	2800	1730	-	-
MW-12	02/06/2018	-	-	-	3070	NM	-	-
MW-12	07/24/2018	-	-	-	3730	NM	-	-
MW-12	02/13/2019	-	-	-	2930	NM	-	-
MW-12	07/23/2019	-	-	-	2870 V	NM	-	-
MW-12	04/03/2020	-	-	-	5900	NM	-	-
MW-13	02/06/2018	5.38	-	-	2720	NM	-	-
MW-13	07/24/2018	5.24	-	-	2800	NM	-	-
MW-13	02/13/2019	5.45	-	-	2670	NM	-	-
MW-13	07/23/2019	5.34	-	-	2800 V	NM	-	-
MW-13	04/03/2020	5.28	-	-	2310	NM	-	-
MW-15	02/05/2018	4.97	-	-	8080	NM	-	-
MW-15	07/23/2018	4.56	-	-	8670	NM	-	-
MW-15	02/12/2019	5.06	-	-	8910	NM	-	-
MW-15	07/23/2019	5.00	-	-	8230 V	NM	-	-
MW-15	03/30/2020	4.99	-	-	9140	NM	-	-
MW-17	02/05/2018	5.68	-	-	33900	NM	-	-
MW-17	07/23/2018	5.61	-	-	33500	NM	-	-
MW-17	02/12/2019	5.73	-	-	33700	NM	-	-
MW-17	07/23/2019	5.72	-	-	39100 V	NM	-	-
MW-17	03/30/2020	5.73	-	-	39300	NM	-	-
MW-20	02/07/2018	6.31	-	-	123000	NM	-	-
MW-20	07/25/2018	6.32	-	-	127000	NM	-	-
MW-20	02/13/2019	6.33	-	-	136000	NM	-	-
MW-20	07/25/2019	6.25	-	-	131000	NM	-	-
MW-20	04/01/2020	6.17	-	11.4	170000	NM	-	-
MW-20	06/04/2020	6.18	NM	12.2	NM	NM	NM	NM
MW-21	02/07/2018	5.37	-	-	8540	8480	-	-
MW-21	07/25/2018	5.05	-	-	6730	6600	-	-
MW-21	02/18/2019	5.40	-	-	9630	9410	-	-
MW-21	07/25/2019	5.15	-	-	5650	5610	-	-
MW-21	04/01/2020	5.17	-	-	6170	6190	-	-
MW-22	02/08/2018	-	NM	NM	972	NM	-	-
MW-22	07/26/2018	-	-	-	703	NM	-	-
MW-22	02/18/2019	-	-	-	363	NM	-	-

**ANALYSIS RESULTS COMPARED TO GROUNDWATER STANDARDS AND/OR GUIDANCE CONCENTRATIONS  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER		pH (FIELD)	NITRATE NITROGEN	ARSENIC	IRON	IRON, DISSOLVED	BENZENE	VINYL CHLORIDE
STANDARD UNITS		6.5-8.5 S.U.** S.U.	10 mg/L* mg/L	10 µg/L* µg/L	300 µg/L** µg/L	300 µg/L** µg/L	1 µg/L* µg/L	1 µg/L* µg/L
MW-22	07/29/2019	-	-	-	-	NM	-	-
MW-22	04/02/2020	-	-	-	-	-	-	-
<b>Assessment</b>								
MW-18	02/06/2018	5.04	NM	NM	NM	NM	-	-
MW-18	07/24/2018	4.84	NM	NM	NM	NM	-	-
MW-18	02/14/2019	5.07	NM	NM	NM	NM	-	-
MW-18	07/29/2019	4.98	NM	NM	NM	NM	-	-
MW-18	04/02/2020	5.12	NM	NM	NM	NM	-	-
MW-18D	02/08/2018	5.53	NM	NM	-	NM	-	-
MW-18D	07/26/2018	5.30	NM	NM	-	NM	-	-
MW-18D	02/18/2019	5.18	NM	NM	-	NM	-	-
MW-18D	07/29/2019	5.09	NM	NM	-	NM	-	-
MW-18D	04/02/2020	4.78	NM	NM	-	NM	-	-
MW-19	02/06/2018	5.65	NM	NM	NM	NM	2.4	3.5
MW-19	07/24/2018	5.54	NM	NM	NM	NM	2.0	2.1
MW-19	02/14/2019	5.49	NM	NM	NM	NM	2.4	1.8
MW-19	07/25/2019	5.66	NM	NM	NM	NM	2.0	2.6
MW-19	04/02/2020	5.59	NM	NM	NM	NM	2.4	2.2
MW-19D	02/08/2018	6.18	NM	NM	24700	NM	-	-
MW-19D	07/26/2018	5.77	NM	NM	19800	NM	-	-
MW-19D	02/18/2019	6.13	NM	NM	26000	NM	-	-
MW-19D	07/29/2019	6.17	NM	NM	34100	NM	-	-
MW-19D	04/02/2020	5.95	NM	NM	34100	NM	-	-

**LEGEND**

- \* =Primary Drinking Water Standard
- \*\* =Secondary Drinking Water Standard
- \*\*\* =Chapter 62-777 Groundwater Cleanup Target Levels (GCTL)
- @ =Analysis Result is at Groundwater Standard or GCTL
- =Analysis Result is not at or outside Groundwater Standard or GCTL
- NS =Not Sampled
- NM =Not Measured

**Note:**

This table displays analysis results which were reported at or outside Groundwater Standards or GCTL.  
Analysis results notated with "@" indicate that the analysis result was reported at the Groundwater Standard or GCTL.  
Analysis results which were reported above the laboratory detection limit (reporting limit), but not at or above the Groundwater Standard or GCTL concentration are not displayed in this table.

## **Attachment 5**

### **Groundwater Parameters Reported At or Above the Laboratory Detection Limit**

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CONDUCTIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ARSENIC	BARIUM	
STANDARD UNITS	(1) uS/cm	(1) ft	(1) ppm	(1) ft, NGVD	6.5-8.5 S.U.** S.U.	(1) mV	(1) deg C	(1) NTU	2.8 mg/L*** mg/L	250 mg/L** mg/L	10 mg/L* mg/L	500 mg/L** mg/L	10 µg/L* µg/L	2000 µg/L* µg/L	
<b>Background</b>															
MW-3	02/07/2018	202	113.43	3.67	6.88	4.66	406.9	22.3	0.17	<0.0073	20	15	150	<6.10	55.31
MW-3	07/25/2018	128	113.25	4.96	7.06	4.39	288.7	24.3	0.18	<0.0073	12	11	160	<6.10	46.71
MW-3	02/13/2019	177	110.94	3.99	9.37	4.73	354.0	21.4	0.14	<0.0098	15	14	140	<6.10	48.81
MW-3	07/25/2019	133	111.80	6.03	8.51	4.70	285.1	23.3	0.25	<0.0098	9.2	9.3	96	<5.00	<50.0
MW-3	04/01/2020	114	112.73	3.91	7.58	4.73	298.9	22.5	0.13	<0.0098	8.2	12	110	<5.00	<50.0
MW-7	02/07/2018	97	121.64	0.14	6.83	5.12	162.7	25.4	0.47	<0.0073	5.9	<0.052	64	<6.10	<20.0
MW-7	07/25/2018	91	121.77	0.16	6.70	4.86	57.0	25.6	1.33	<0.0073	6.4	<0.052	110	<6.10	22.31
MW-7	02/13/2019	97	119.71	0.30	8.76	5.17	-73.1	21.3	0.71	0.046	6.1	<0.052	84	<6.10	<20.0
MW-7	07/25/2019	100	120.77	0.16	7.70	5.06	21.7	25.3	0.50	0.021	8.7	<0.052	72	9.59 I	<50.0
MW-7	04/01/2020	117	120.73	0.23	7.74	5.09	143.5	23.5	1.09	0.060	5.8	<0.052	80	6.60 I	<50.0
<b>Compliance</b>															
MW-10	02/07/2018	47	106.82	0.25	6.55	4.72	131.9	23.6	19.2	<0.0073	4.9 I	<0.052	28	<6.10	133
MW-10	07/25/2018	45	106.72	0.60	6.65	4.43	108.9	24.8	29.9	0.011 I	5.7	<0.052	78	<6.10	156
MW-10	02/14/2019	45	104.63	0.41	8.74	4.68	44.3	23.4	70.8	<0.0098	4.8 I	<0.052	34	<6.10	140
MW-10	07/25/2019	46	105.87	0.35	7.50	4.74	91.0	23.7	81.9	<0.0098	5.0	<0.052	50	<5.00	222
MW-10	04/01/2020	44	106.28	0.45	7.09	4.61	246.5	23.9	35.2	<0.0098	4.5 I	<0.052	54	<5.00	81.6 I
MW-11	02/06/2018	472	99.33	0.41	5.36	7.07	217.2	22.9	0.55	<0.0073	6.7	0.60 I	260	<6.10	<20.0
MW-11	07/24/2018	455	98.53	0.43	6.16	7.10	83.3	23.9	0.33	<0.0073	6.5	0.60 I	260	<6.10	20.61
MW-11	02/14/2019	494	97.98	0.43	6.71	7.06	208.3	22.3	1.11	<0.0098	6.3	0.82 I	290	<6.10	<20.0
MW-11	07/23/2019	511	98.43	0.62	6.26	6.97	60.6	23.9	1.59	<0.0098	8.6	0.97 I	300	<5.00	<50.0
MW-11	04/03/2020	468	99.20	0.42	5.49	7.04	171.2	23.5	0.70	<0.0098	6.5	1.2	250	<5.00	<50.0
MW-12	02/06/2018	535	97.91	0.13	5.45	6.91	-138.9	23.7	0.67	0.29	4.4 I	<0.052	290	<6.10	<20.0
MW-12	07/24/2018	576	97.15	0.08	6.21	6.87	-142.7	24.2	3.26	0.18	4.5 I	<0.052	320	<6.10	<20.0
MW-12	02/13/2019	491	96.55	0.10	6.81	6.98	-207.2	23.5	0.86	0.65	4.8 I	<0.052	270	<6.10	<20.0
MW-12	07/23/2019	537	97.05	0.13	6.31	6.89	-86.9	24.5	1.03	0.41	7.3	<0.052	310	<5.00	<50.0
MW-12	04/03/2020	626	97.85	0.25	5.51	6.75	-26.7	23.8	1.04	1.6	4.5 I	0.17 I	320	<5.00	<50.0
MW-13	02/06/2018	67	106.38	0.26	5.54	5.38	87.3	23.6	1.92	0.012 I	4.5 I	<0.052	46	<6.10	<20.0
MW-13	07/24/2018	71	105.90	0.21	6.02	5.24	84.1	23.9	2.78	<0.0073	4.4 I	<0.052	42	<6.10	<20.0
MW-13	02/13/2019	70	104.98	0.29	6.94	5.45	41.8	22.7	2.71	0.011 I	4.2 I	<0.052	48	<6.10	<20.0
MW-13	07/23/2019	70	105.52	0.31	6.40	5.34	76.3	24.1	3.11	<0.0098	7.1	<0.052	54	<5.00	<50.0
MW-13	04/03/2020	62	106.04	0.41	5.88	5.28	166.2	23.4	2.49	<0.0098	4.2 I	0.21 I	62	<5.00	<50.0
MW-14	02/05/2018	492	103.00	0.70	5.50	6.98	127.1	23.2	0.63	<0.0073	3.2 I	0.29 I	270	<6.10	<20.0
MW-14	07/23/2018	481	102.38	0.78	6.12	6.98	86.3	23.8	2.31	<0.0073	3.7 I	0.19 I	280	<6.10	<20.0

Friday, July 24, 2020



**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER	CONDUCTIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ARSENIC	BARIUM
STANDARD UNITS	(1) uS/cm	(1) ft	(1) ppm	(1) ft, NGVD	6.5-8.5 S.U.** S.U.	(1) mV	(1) deg C	(1) NTU	2.8 mg/L*** mg/L	250 mg/L** mg/L	10 mg/L* mg/L	500 mg/L** mg/L	10 µg/L* µg/L	2000 µg/L* µg/L
MW-14	02/12/2019	489	101.67	0.98	6.83	7.02	69.3	23.4	1.71	<0.0098	3.3 I	290	<6.10	<20.0
MW-14	07/23/2019	506	102.19	0.98	6.31	6.94	87.7	24.4	3.98	<0.0098	6.3	280	<5.00	<50.0
MW-14	03/30/2020	527	102.95	0.79	5.55	6.93	150.8	23.9	1.48	<0.0098	3.7 I	280	<5.00	<50.0
MW-15	02/05/2018	52	117.79	0.22	5.79	4.97	64.4	22.6	0.84	0.045	2.8 I	24	<6.10	<20.0
MW-15	07/23/2018	51	117.49	0.14	6.09	4.56	25.7	23.3	0.56	0.039	3.1 I	42	<6.10	<20.0
MW-15	02/12/2019	53	116.29	0.34	7.29	5.06	-45.3	22.9	0.45	0.11	3.0 I	32	<6.10	<20.0
MW-15	07/23/2019	53	116.96	0.28	6.62	5.00	63.1	23.6	2.70	0.073	3.6 I	30	<5.00	<50.0
MW-15	03/30/2020	54	117.31	0.24	6.27	4.99	109.6	23.4	0.59	0.12	2.7 I	24	<5.00	<50.0
MW-17	02/05/2018	216	105.26	0.22	5.59	5.68	-68.9	23.9	0.88	0.47	3.4 I	64	<6.10	<20.0
MW-17	07/23/2018	225	104.66	0.20	6.19	5.61	-84.2	24.6	1.07	0.51	4.5 I	120	<6.10	<20.0
MW-17	02/12/2019	203	103.79	0.53	7.06	5.73	-64.9	24.3	1.21	0.47	5.1	100	<6.10	<20.0
MW-17	07/23/2019	230	104.46	0.26	6.39	5.72	-4.2	24.6	1.68	0.63	7.1	100	5.56 I	<50.0
MW-17	03/30/2020	237	105.14	0.31	5.71	5.73	-28.5	24.8	0.51	0.84	4.5 I	120	7.96 I	<50.0
MW-20	02/07/2018	705	113.13	0.05	6.63	6.31	-108.1	25.6	0.87	0.88	47	340	<6.10	29.7 I
MW-20	07/25/2018	702	113.03	0.07	6.73	6.32	-136.3	26.2	3.86	0.79	42	310	6.41 I	42.7 I
MW-20	02/13/2019	750	112.43	0.13	7.33	6.33	-171.1	24.7	1.66	0.90	69	360	<6.10	30.2 I
MW-20	07/25/2019	787	112.48	0.09	7.28	6.25	-122.6	25.4	1.97	0.88	60	320	9.70 I	<50.0
MW-20	04/01/2020	843	112.72	0.23	7.04	6.17	-65.6	24.9	1.43	2.0	72	360	11.4	<50.0
MW-20	06/04/2020	867	113.36	0.20	6.40	6.18	-91.2	25.6	1.07	-	-	-	12.2	-
MW-21	02/07/2018	169	109.15	0.04	6.48	5.37	34.0	24.4	23.6	1.6	2.9 I	110	<6.10	20.0 I
MW-21	07/25/2018	112	108.78	0.05	6.85	5.05	6.3	25.2	11.3	0.92	4.0 I	110	<6.10	29.4 I
MW-21	02/18/2019	138	107.18	0.09	8.45	5.40	-126.8	24.5	13.8	1.5	2.8 I	94	<6.10	<20.0
MW-21	07/25/2019	119	107.86	0.11	7.77	5.15	22.4	24.4	14.6	1.6	4.0 I	86	<5.00	<50.0
MW-21	04/01/2020	120	108.64	0.23	6.99	5.17	89.4	24.4	10.6	0.96	5.5	74	<5.00	<50.0
MW-22	02/08/2018	529	108.36	0.16	5.43	6.89	-87.7	26.4	3.75	<0.0073	4.6 I	-	-	-
MW-22	07/26/2018	524	107.39	0.22	6.40	6.88	-65.3	27.4	0.90	<0.0073	4.9 I	310	<6.10	29.1 I
MW-22	02/18/2019	497	106.93	0.25	6.86	7.03	-103.2	28.1	2.45	<0.0098	4.8 I	290	<6.10	<20.0
MW-22	07/29/2019	507	107.02	0.39	6.77	6.92	-19.1	30.1	4.83	<0.0098	4.6 I	260	<5.00	<50.0
MW-22	04/02/2020	526	108.21	0.47	5.58	6.82	93.5	31.0	9.35	<0.0098	4.9 I	310	<5.00	<50.0
<b>Assessment</b>														
MW-18	02/06/2018	42	109.13	1.09	6.69	5.04	324.2	23.7	35.2	-	-	-	-	-
MW-18	07/24/2018	45	108.84	1.59	6.98	4.84	266.4	24.5	67.5	-	-	-	-	-
MW-18	02/14/2019	44	106.53	2.35	9.29	5.07	225.1	23.3	15.0	-	-	-	-	-
MW-18	07/29/2019	44	106.95	2.28	8.87	4.98	227.1	24.1	4.9	-	-	-	-	-

Friday, July 24, 2020

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER	CONDUCTIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ARSENIC	BARIUM
STANDARD UNITS	(1) uS/cm	(1) ft	(1) ppm	(1) ft, NGVD	6.5-8.5 S.U.** S.U.	(1) mV	(1) deg C	(1) NTU	2.8 mg/L***	250 mg/L**	10 mg/L*	500 mg/L**	10 µg/L*	2000 µg/L*
MW-18	04/02/2020	50	108.62	2.28	7.20	5.12	301.2	23.8	82.2	-	-	-	-	-
MW-18D	02/08/2018	83	108.92	0.64	-	5.53	183.9	25.4	1.25	-	-	-	-	-
MW-18D	07/26/2018	52	108.55	0.59	7.13	5.30	200.7	25.6	2.53	-	-	-	-	-
MW-18D	02/18/2019	37	106.42	0.71	9.26	5.18	203.9	28.8	1.33	-	-	-	-	-
MW-18D	07/29/2019	37	106.57	1.03	9.11	5.09	120.5	29.3	0.66	-	-	-	-	-
MW-18D	04/02/2020	31	108.35	0.67	7.33	4.78	294.8	29.8	0.70	-	-	-	-	-
MW-19	02/06/2018	126	106.94	0.17	6.56	5.65	83.5	23.7	2.85	<0.0073	4.4 I	-	-	-
MW-19	07/24/2018	136	106.83	0.20	6.67	5.54	76.7	24.0	2.21	<0.0073	5.1	-	-	-
MW-19	02/14/2019	89	104.78	0.24	8.72	5.49	-30.3	23.2	1.86	<0.0098	4.3 I	-	-	-
MW-19	07/25/2019	158	105.89	0.25	7.61	5.66	11.2	23.8	2.50	<0.0098	6.4	-	-	-
MW-19	04/02/2020	169	106.45	0.42	7.06	5.59	103.8	23.8	2.37	<0.0098	5.1	-	-	-
MW-19D	02/08/2018	307	107.07	0.17	-	6.18	-82.0	25.8	2.13	0.13	5.4	-	-	-
MW-19D	07/26/2018	178	106.85	0.06	6.74	5.77	-69.4	25.9	0.53	0.043	4.6 I	-	-	-
MW-19D	02/18/2019	265	104.91	0.13	8.68	6.13	-182.5	26.6	0.21	0.067	3.9 I	-	-	-
MW-19D	07/29/2019	360	105.69	0.56	7.90	6.17	-77.6	28.3	0.37	0.076	4.9 I	-	-	-
MW-19D	04/02/2020	304	106.47	0.17	7.12	5.95	-20.7	28.6	0.30	0.083	4.0 I	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CADMIUM	CHROMIUM	COBALT	COBALT, DISSOLVED	COPPER	IRON	IRON, DISSOLVED	LEAD	MERCURY	NICKEL	NICKEL, DISSOLVED	SILVER	SODIUM	SODIUM, DISSOLVED	
STANDARD UNITS	5 µg/L* µg/L	100 µg/L* µg/L	140µg/L*** µg/L	140µg/L*** µg/L	1000 µg/L** µg/L	300 µg/L** µg/L	300 µg/L** µg/L	15 µg/L* µg/L	2 µg/L* µg/L	100 µg/L* µg/L	100 µg/L* µg/L	100 µg/L** µg/L	160 mg/L* mg/L	160 mg/L* mg/L	
<b>Background</b>															
MW-3	02/07/2018	<0.900	<4.50	<2.10	-	118	<38.0	-	7.53	0.0650 I	6.46 I	-	<0.290	14.4	-
MW-3	07/25/2018	<0.900	<4.50	<2.10	-	79.5	<38.0	-	7.15	<0.0230	4.99 I	-	<0.290	10.6	-
MW-3	02/13/2019	<0.900	<4.50	<2.10	-	109	<38.0	-	6.38	<0.0230	4.34 I	-	<0.290	11.7	-
MW-3	07/25/2019	<0.500	<5.00	<5.00	-	83.1	<25.0	-	<2.50	<0.0230	<5.00	-	<0.500	7.42	-
MW-3	04/01/2020	<0.500	<5.00	<5.00	-	71.4	28.5 I	-	4.77 I	<0.0230	<5.00	-	<0.500	6.93	-
MW-7	02/07/2018	<0.900	<4.50	<2.10	-	<2.20	1480	-	<1.60	<0.0230	7.12 I	-	<0.290	9.45	-
MW-7	07/25/2018	<0.900	<4.50	<2.10	-	3.08 I	1630	-	<1.60	<0.0230	5.59 I	-	<0.290	9.28	-
MW-7	02/13/2019	<0.900	<4.50	<2.10	-	<2.20	1620	-	<1.60	<0.0230	5.92 I	-	<0.290	10.5	-
MW-7	07/25/2019	<0.500	<5.00	<5.00	-	8.05 I	1680	-	<2.50	<0.0230	6.59 I	-	<0.500	9.47	-
MW-7	04/01/2020	<0.500	<5.00	<5.00	-	3.25 I	1780	-	<2.50	<0.0230	6.16 I	-	<0.500	11.0	-
<b>Compliance</b>															
MW-10	02/07/2018	1.16 I	5.74 I	<2.10	<2.10	<2.20	3860	3590	3.92 I	0.0404 I	<3.20	<3.20	<0.290	4.33	4.14
MW-10	07/25/2018	<0.900	8.55 I	<2.10	6.81 I	5.22 I	4040	3090	5.52	<0.0230	<3.20	<3.20	0.775 I	4.42	4.30
MW-10	02/14/2019	<0.900	10.6	<2.10	<2.10	<2.20	2120	911	4.54 I	<0.0230	<3.20	<3.20	0.343 I	4.77	4.47
MW-10	07/25/2019	<0.500	12.2	<5.00	<5.00	<2.50	4350	2510	6.68	<0.0230	<5.00	<5.00	<0.500	4.53	4.21
MW-10	04/01/2020	<0.500	8.18 I	<5.00	<5.00	<2.50	2800	1730	3.54 I	<0.0230	<5.00	<5.00	<0.500	4.01	3.95
MW-11	02/06/2018	<0.900	<4.50	<2.10	-	<2.20	<38.0	-	<1.60	<0.0230	<3.20	-	<0.290	4.24	-
MW-11	07/24/2018	<0.900	<4.50	<2.10	-	<2.20	<38.0	-	<1.60	<0.0230	<3.20	-	<0.290	3.81	-
MW-11	02/14/2019	<0.900	<4.50	<2.10	-	<2.20	<38.0	-	<1.60	<0.0230	<3.20	-	<0.290	4.18	-
MW-11	07/23/2019	<0.500	<5.00	<5.00	-	<2.50	31.8 IV	-	<2.50	<0.0230	<5.00	-	<0.500	4.18	-
MW-11	04/03/2020	<0.500	<5.00	<5.00	-	<2.50	<25.0	-	<2.50	<0.0230	<5.00	-	<0.500	4.05	-
MW-12	02/06/2018	<0.900	<4.50	<2.10	-	<2.20	3070	-	<1.60	<0.0230	<3.20	-	<0.290	3.09	-
MW-12	07/24/2018	<0.900	<4.50	<2.10	-	<2.20	3730	-	<1.60	<0.0230	<3.20	-	<0.290	2.65	-
MW-12	02/13/2019	<0.900	<4.50	<2.10	-	<2.20	2930	-	<1.60	<0.0230	<3.20	-	<0.290	3.42	-
MW-12	07/23/2019	<0.500	<5.00	<5.00	-	<2.50	2870 V	-	<2.50	<0.0230	<5.00	-	<0.500	3.20	-
MW-12	04/03/2020	<0.500	<5.00	<5.00	-	<2.50	5900	-	<2.50	<0.0230	<5.00	-	<0.500	3.82	-
MW-13	02/06/2018	<0.900	<4.50	3.64 I	-	<2.20	2720	-	<1.60	<0.0230	<3.20	-	<0.290	2.47	-
MW-13	07/24/2018	<0.900	<4.50	3.38 I	-	<2.20	2800	-	<1.60	0.0416 I	<3.20	-	<0.290	2.34	-
MW-13	02/13/2019	<0.900	<4.50	5.31 I	-	<2.20	2670	-	<1.60	<0.0230	<3.20	-	<0.290	2.60	-
MW-13	07/23/2019	<0.500	<5.00	<5.00	-	<2.50	2800 V	-	<2.50	0.0257 I	<5.00	-	<0.500	2.68	-
MW-13	04/03/2020	<0.500	<5.00	<5.00	-	<2.50	2310	-	<2.50	<0.0230	<5.00	-	<0.500	2.51	-
MW-14	02/05/2018	<0.900	<4.50	<2.10	-	<2.20	<38.0	-	<1.60	<0.0230	<3.20	-	<0.290	3.18	-
MW-14	07/23/2018	<0.900	<4.50	<2.10	-	<2.20	<38.0	-	<1.60	0.0315 I	<3.20	-	<0.290	3.30	-

Friday, July 24, 2020

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER	CADMIUM	CHROMIUM	COBALT	COBALT, DISSOLVED	COPPER	IRON	IRON, DISSOLVED	LEAD	MERCURY	NICKEL	NICKEL, DISSOLVED	SILVER	SODIUM	SODIUM, DISSOLVED	
STANDARD UNITS	5 µg/L*	100 µg/L*	140µg/L***	140µg/L***	1000 µg/L**	300 µg/L**	300 µg/L**	15 µg/L*	2 µg/L*	100 µg/L*	100 µg/L*	100 µg/L**	160 mg/L*	160 mg/L*	
MW-14	02/12/2019	<0.900	<4.50	<2.10	-	<2.20	<38.0	-	<1.60	<0.0230	<3.20	-	<0.290	3.26	-
MW-14	07/23/2019	<0.500	<5.00	<5.00	-	<2.50	52.3 V	-	<2.50	0.0270 I	<5.00	-	<0.500	3.31	-
MW-14	03/30/2020	<0.500	<5.00	<5.00	-	<2.50	43.4 I	-	<2.50	0.0345 I	<5.00	-	<0.500	3.29	-
MW-15	02/05/2018	<0.900	<4.50	<2.10	-	<2.20	8080	-	<1.60	<0.0230	<3.20	-	<0.290	2.12	-
MW-15	07/23/2018	<0.900	<4.50	<2.10	-	<2.20	8670	-	<1.60	<0.0230	<3.20	-	<0.290	2.22	-
MW-15	02/12/2019	<0.900	<4.50	<2.10	-	<2.20	8910	-	<1.60	<0.0230	<3.20	-	<0.290	2.16	-
MW-15	07/23/2019	<0.500	<5.00	<5.00	-	<2.50	8230 V	-	<2.50	<0.0230	<5.00	-	1.08	2.39	-
MW-15	03/30/2020	<0.500	<5.00	<5.00	-	<2.50	9140	-	<2.50	<0.0230	<5.00	-	<0.500	2.26	-
MW-17	02/05/2018	<0.900	<4.50	4.76 I	-	<2.20	33900	-	<1.60	<0.0230	<3.20	-	<0.290	2.14	-
MW-17	07/23/2018	<0.900	<4.50	5.34 I	-	<2.20	33500	-	<1.60	<0.0230	<3.20	-	<0.290	2.13	-
MW-17	02/12/2019	<0.900	<4.50	5.57 I	-	<2.20	33700	-	<1.60	<0.0230	<3.20	-	<0.290	2.14	-
MW-17	07/23/2019	<0.500	<5.00	<5.00	-	<2.50	39100 V	-	<2.50	<0.0230	<5.00	-	<0.500	2.49	-
MW-17	03/30/2020	<0.500	<5.00	5.12 I	-	<2.50	39300	-	<2.50	0.0275 I	<5.00	-	<0.500	2.67	-
MW-20	02/07/2018	<0.900	<4.50	<2.10	-	<2.20	123000	-	<1.60	<0.0230	<3.20	-	<0.290	16.4	-
MW-20	07/25/2018	<0.900	<4.50	2.92 I	-	<2.20	127000	-	<1.60	<0.0230	<3.20	-	<0.290	14.6	-
MW-20	02/13/2019	<0.900	<4.50	2.31 I	-	<2.20	136000	-	<1.60	<0.0230	<3.20	-	<0.290	15.0	-
MW-20	07/25/2019	<0.500	<5.00	<5.00	-	<2.50	131000	-	<2.50	<0.0230	<5.00	-	<0.500	13.7	-
MW-20	04/01/2020	<0.500	<5.00	<5.00	-	<2.50	170000	-	<2.50	<0.0230	<5.00	-	<0.500	16.3	-
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<0.900	<4.50	2.74 I	3.90 I	<2.20	8540	8480	<1.60	<0.0230	<3.20	<3.20	<0.290	2.14	2.26
MW-21	07/25/2018	<0.900	<4.50	2.69 I	4.10 I	<2.20	6730	6600	<1.60	<0.0230	<3.20	<3.20	<0.290	2.53	2.46
MW-21	02/18/2019	<0.900	<4.50	<2.10	<2.10	<2.20	9630	9410	<1.60	<0.0230	<3.20	<3.20	<0.290	2.12	2.14
MW-21	07/25/2019	<0.500	<5.00	<5.00	<5.00	3.26 I	5650	5610	<2.50	<0.0230	9.01 I	8.13 I	0.591 I	2.44	2.50
MW-21	04/01/2020	<0.500	<5.00	<5.00	<5.00	<2.50	6170	6190	<2.50	<0.0230	<5.00	<5.00	<0.500	2.59	2.63
MW-22	02/08/2018	-	-	-	-	-	972	-	-	-	-	-	-	-	-
MW-22	07/26/2018	<0.900	<4.50	<2.10	-	<2.20	703	-	<1.60	<0.0230	<3.20	-	<0.290	4.13	-
MW-22	02/18/2019	<0.900	<4.50	<2.10	-	<2.20	363	-	<1.60	<0.0230	<3.20	-	<0.290	3.62	-
MW-22	07/29/2019	<0.500	<5.00	<5.00	-	<2.50	237	-	<2.50	<0.0230	<5.00	-	<0.500	3.30	-
MW-22	04/02/2020	<0.500	6.42 I	<5.00	<5.00	<2.50	189	124	<2.50	<0.0230	<5.00	<5.00	<0.500	3.49	3.42
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Friday, July 24, 2020

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER	CADMIUM	CHROMIUM	COBALT	COBALT, DISSOLVED	COPPER	IRON	IRON, DISSOLVED	LEAD	MERCURY	NICKEL	NICKEL, DISSOLVED	SILVER	SODIUM	SODIUM, DISSOLVED
STANDARD UNITS	5 µg/L*	100 µg/L*	140µg/L***	140µg/L***	1000 µg/L**	300 µg/L**	300 µg/L**	15 µg/L*	2 µg/L*	100 µg/L*	100 µg/L*	100 µg/L**	160 mg/L*	160 mg/L*
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	156	-	-	-	-	-	-	-	-
MW-18D	07/26/2018	-	-	-	-	216	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	73.3	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	77.2	-	-	-	-	-	-	-	-
MW-18D	04/02/2020	-	-	-	-	82.7	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	24700	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	19800	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	26000	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	34100	-	-	-	-	-	-	-	-
MW-19D	04/02/2020	-	-	-	-	34100	-	-	-	-	-	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	THALLIUM	VANADIUM	ZINC	1,4-DICHLORO-BENZENE	ACETONE	BENZENE	CHLORO-BENZENE	CIS-1,2-DICHLORO-ETHENE	DICHLORO-METHANE	ETHYL-BENZENE	M&P-XYLENES	O-XYLENES	TOLUENE	VINYL CHLORIDE	
STANDARD UNITS	2 µg/L*	49 µg/L***	5000 µg/L**	75 µg/L*	6300 µg/L***	1 µg/L*	100 µg/L*	70 µg/L*	5 µg/L*	30 µg/L**	20 µg/L**	20 µg/L**	40 µg/L**	1 µg/L*	
<b>Background</b>															
MW-3	02/07/2018	<0.580	<2.00	99.4	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-3	07/25/2018	<0.580	<2.00	81.8	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-3	02/13/2019	<0.580	<2.00	109	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-3	07/25/2019	<0.500	<5.00	63.9	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-3	04/01/2020	<0.500	<5.00	<75.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-7	02/07/2018	<0.580	<2.00	34.1 I	4.5	<10	2.8	<0.72	0.95 I	<2.0	2.0	<1.3	<0.53	<0.72	<0.71
MW-7	07/25/2018	<0.580	<2.00	60.0	6.6	<10	4.4	2.5	1.9	<2.0	3.3	<1.3	<0.53	<0.72	<0.71
MW-7	02/13/2019	<0.580	<2.00	59.3	7.7	<10	4.7	1.9	1.7	<2.0	7.0	<1.3	<0.53	<0.72	<0.71
MW-7	07/25/2019	<0.500	<5.00	60.9	9.8	<10	5.0	2.7	1.8	<2.0	12	2.7	1.1	1.3	1.1
MW-7	04/01/2020	<0.500	<5.00	<75.0	15	<10	7.1	3.0	2.1	<2.0	6.6	<1.3	<0.53	<0.72	<0.71
<b>Compliance</b>															
MW-10	02/07/2018	<0.580	<2.00	<16.0	3.8	<10	<0.71	<0.72	1.1	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-10	07/25/2018	<0.580	<2.00	<16.0	3.6	<10	<0.71	<0.72	1.3	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-10	02/14/2019	<0.580	<2.00	<16.0	3.5	<10	<0.71	<0.72	0.69 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-10	07/25/2019	<0.500	<5.00	<25.0	3.8	<10	<0.71	<0.72	0.84 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-10	04/01/2020	<0.500	<5.00	<75.0	2.8	<10	<0.71	<0.72	0.66 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-11	02/06/2018	1.06	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-11	07/24/2018	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-11	02/14/2019	1.28	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-11	07/23/2019	0.806 I	<5.00	<25.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-11	04/03/2020	1.13	<5.00	<75.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-12	02/06/2018	<0.580	<2.00	<16.0	<0.76	12 I	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-12	07/24/2018	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-12	02/13/2019	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-12	07/23/2019	<0.500	<5.00	<25.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-12	04/03/2020	<0.500	<5.00	<75.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-13	02/06/2018	<0.580	<2.00	<16.0	1.4	<10	<0.71	<0.72	0.98 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-13	07/24/2018	<0.580	<2.00	<16.0	1.4	<10	<0.71	<0.72	0.71 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-13	02/13/2019	<0.580	<2.00	<16.0	1.3	<10	<0.71	<0.72	1.1	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-13	07/23/2019	<0.500	<5.00	<25.0	1.2	<10	<0.71	<0.72	0.90 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-13	04/03/2020	<0.500	<5.00	<75.0	1.2	<10	<0.71	<0.72	0.94 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-14	02/05/2018	<0.580	2.19 I	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-14	07/23/2018	<0.580	2.77 I	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71

Friday, July 24, 2020

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	THALLIUM	VANADIUM	ZINC	1,4-DICHLORO-BENZENE	ACETONE	BENZENE	CHLORO-BENZENE	CIS-1,2-DICHLORO-ETHENE	DICHLORO-METHANE	ETHYL-BENZENE	M&P-XYLENES	O-XYLENES	TOLUENE	VINYL CHLORIDE	
STANDARD UNITS	2 µg/L*	49 µg/L***	5000 µg/L**	75 µg/L*	6300 µg/L***	1 µg/L*	100 µg/L*	70 µg/L*	5 µg/L*	30 µg/L**	20 µg/L**	20 µg/L**	40 µg/L**	1 µg/L*	
MW-14	02/12/2019	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-14	07/23/2019	<0.500	<5.00	<25.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-14	03/30/2020	<0.500	<5.00	<75.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-15	02/05/2018	<0.580	<2.00	<16.0	<0.76	12.1	<0.71	<0.72	1.6	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-15	07/23/2018	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	1.8	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-15	02/12/2019	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	1.5	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-15	07/23/2019	<0.500	<5.00	<25.0	<0.76	<10	<0.71	<0.72	1.5	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-15	03/30/2020	<0.500	<5.00	<75.0	<0.76	<10	<0.71	<0.72	1.7	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-17	02/05/2018	<0.580	<2.00	<16.0	1.2	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-17	07/23/2018	<0.580	<2.00	<16.0	0.94 I	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-17	02/12/2019	<0.580	<2.00	<16.0	1.2	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-17	07/23/2019	<0.500	<5.00	<25.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-17	03/30/2020	<0.500	<5.00	<75.0	0.82 I	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-20	02/07/2018	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-20	07/25/2018	<0.580	<2.00	19.6 I	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-20	02/13/2019	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-20	07/25/2019	<0.500	<5.00	<25.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-20	04/01/2020	<0.500	<5.00	<75.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<0.580	<2.00	<16.0	3.8	<10	<0.71	<0.72	0.65 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-21	07/25/2018	<0.580	<2.00	<16.0	3.9	<10	0.94 I	0.96 I	1.0	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-21	02/18/2019	<0.580	<2.00	<16.0	2.8	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-21	07/25/2019	<0.500	<5.00	<25.0	2.8	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-21	04/01/2020	<0.500	<5.00	<75.0	3.6	<10	0.84 I	0.87 I	0.74 I	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-22	02/08/2018	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	-	<0.71
MW-22	07/26/2018	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-22	02/18/2019	<0.580	<2.00	<16.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-22	07/29/2019	<0.500	<5.00	<25.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
MW-22	04/02/2020	<0.500	<5.00	<75.0	<0.76	<10	<0.71	<0.72	<0.53	<2.0	<0.69	<1.3	<0.53	<0.72	<0.71
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	-	<0.71
MW-18	07/24/2018	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	-	<0.71
MW-18	02/14/2019	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	-	<0.71
MW-18	07/29/2019	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	-	<0.71

Friday, July 24, 2020

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER	THALLIUM	VANADIUM	ZINC	1,4-DICHLORO-BENZENE	ACETONE	BENZENE	CHLORO-BENZENE	CIS-1,2-DICHLORO-ETHENE	DICHLORO-METHANE	ETHYL-BENZENE	M&P-XYLENES	O-XYLENES	TOLUENE	VINYL CHLORIDE
STANDARD UNITS	2 µg/L*	49 µg/L***	5000 µg/L**	75 µg/L*	6300 µg/L***	1 µg/L*	100 µg/L*	70 µg/L*	5 µg/L*	30 µg/L**	20 µg/L**	20 µg/L**	40 µg/L**	1 µg/L*
MW-18	04/02/2020	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-18D	02/08/2018	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-18D	07/26/2018	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-18D	02/18/2019	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-18D	07/29/2019	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-18D	04/02/2020	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-19	02/06/2018	-	-	-	-	2.4	-	-	3.7 I	-	-	-	-	3.5
MW-19	07/24/2018	-	-	-	-	2.0	-	-	<2.0	-	-	-	-	2.1
MW-19	02/14/2019	-	-	-	-	2.4	-	-	2.9 I	-	-	-	-	1.8
MW-19	07/25/2019	-	-	-	-	2.0	-	-	<2.0	-	-	-	-	2.6
MW-19	04/02/2020	-	-	-	-	2.4	-	-	<2.0	-	-	-	-	2.2
MW-19D	02/08/2018	-	-	-	-	<0.71	-	-	<2.0	-	-	-	-	<0.71
MW-19D	07/26/2018	-	-	-	-	0.76 I	-	-	<2.0	-	-	-	-	<0.71
MW-19D	02/18/2019	-	-	-	-	0.84 I	-	-	<2.0	-	-	-	-	<0.71
MW-19D	07/29/2019	-	-	-	-	0.77 I	-	-	<2.0	-	-	-	-	0.83 I
MW-19D	04/02/2020	-	-	-	-	0.77 I	-	-	<2.0	-	-	-	-	<0.71

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time



**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER		XYLENES	TOTAL VOCS
STANDARD		20 µg/L**	(1)
UNITS		µg/L	µg/L
<b>Background</b>			
MW-3	02/07/2018	<1.3	-
MW-3	07/25/2018	<1.3	-
MW-3	02/13/2019	<1.3	-
MW-3	07/25/2019	<1.3	-
MW-3	04/01/2020	<1.3	-
MW-7	02/07/2018	<1.3	10.25
MW-7	07/25/2018	<1.3	18.7
MW-7	02/13/2019	<1.3	23
MW-7	07/25/2019	3.7	41.2
MW-7	04/01/2020	<1.3	33.8
<b>Compliance</b>			
MW-10	02/07/2018	<1.3	4.9
MW-10	07/25/2018	<1.3	4.9
MW-10	02/14/2019	<1.3	4.19
MW-10	07/25/2019	<1.3	4.64
MW-10	04/01/2020	<1.3	3.46
MW-11	02/06/2018	<1.3	-
MW-11	07/24/2018	<1.3	-
MW-11	02/14/2019	<1.3	-
MW-11	07/23/2019	<1.3	-
MW-11	04/03/2020	<1.3	-
MW-12	02/06/2018	<1.3	12
MW-12	07/24/2018	<1.3	-
MW-12	02/13/2019	<1.3	-
MW-12	07/23/2019	<1.3	-
MW-12	04/03/2020	<1.3	-
MW-13	02/06/2018	<1.3	2.38
MW-13	07/24/2018	<1.3	2.11
MW-13	02/13/2019	<1.3	2.4
MW-13	07/23/2019	<1.3	2.1
MW-13	04/03/2020	<1.3	2.14
MW-14	02/05/2018	<1.3	-
MW-14	07/23/2018	<1.3	-

Friday, July 24, 2020

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER		XYLENES	TOTAL VOCS
STANDARD UNITS		20 µg/L** µg/L	(1) µg/L
MW-14	02/12/2019	<1.3	-
MW-14	07/23/2019	<1.3	-
MW-14	03/30/2020	<1.3	-
MW-15	02/05/2018	<1.3	13.6
MW-15	07/23/2018	<1.3	1.8
MW-15	02/12/2019	<1.3	1.5
MW-15	07/23/2019	<1.3	1.5
MW-15	03/30/2020	<1.3	1.7
MW-17	02/05/2018	<1.3	1.2
MW-17	07/23/2018	<1.3	0.94
MW-17	02/12/2019	<1.3	1.2
MW-17	07/23/2019	<1.3	-
MW-17	03/30/2020	<1.3	0.82
MW-20	02/07/2018	<1.3	-
MW-20	07/25/2018	<1.3	-
MW-20	02/13/2019	<1.3	-
MW-20	07/25/2019	<1.3	-
MW-20	04/01/2020	<1.3	-
MW-20	06/04/2020	-	-
MW-21	02/07/2018	<1.3	4.45
MW-21	07/25/2018	<1.3	6.8
MW-21	02/18/2019	<1.3	2.8
MW-21	07/25/2019	<1.3	2.8
MW-21	04/01/2020	<1.3	6.05
MW-22	02/08/2018	-	-
MW-22	07/26/2018	<1.3	-
MW-22	02/18/2019	<1.3	-
MW-22	07/29/2019	<1.3	-
MW-22	04/02/2020	<1.3	-
<b>Assessment</b>			
MW-18	02/06/2018	-	-
MW-18	07/24/2018	-	-
MW-18	02/14/2019	-	-
MW-18	07/29/2019	-	-

Friday, July 24, 2020

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
FEBRUARY 2018 THROUGH JUNE 2020**

PARAMETER		XYLENES	TOTAL VOCS
STANDARD UNITS		20 µg/L** µg/L	(1) µg/L
MW-18	04/02/2020	-	-
MW-18D	02/08/2018	-	-
MW-18D	07/26/2018	-	-
MW-18D	02/18/2019	-	-
MW-18D	07/29/2019	-	-
MW-18D	04/02/2020	-	-
MW-19	02/06/2018	-	9.6
MW-19	07/24/2018	-	4.1
MW-19	02/14/2019	-	7.1
MW-19	07/25/2019	-	4.6
MW-19	04/02/2020	-	4.6
MW-19D	02/08/2018	-	-
MW-19D	07/26/2018	-	0.76
MW-19D	02/18/2019	-	0.84
MW-19D	07/29/2019	-	1.6
MW-19D	04/02/2020	-	0.77

**LEGEND**

* =Primary Drinking Water Standard	I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)
** =Secondary Drinking Water Standard	J = Estimated value
*** =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)	V = Analyte found in associated method blank
(1) =No Standard	Q = Estimated value; analyte analyzed after acceptable holding time
- =Not Analyzed	

## **Attachment 6**

### **Report Period Groundwater All Data Summary Table**

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CONDUCTIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ANTIMONY	ANTIMONY, DISSOLVED	
STANDARD UNITS	(1) uS/cm	(1) ft	(1) ppm	(1) ft, NGVD	6.5-8.5 S.U.** S.U.	(1) mV	(1) deg C	(1) NTU	2.8 mg/L*** mg/L	250 mg/L** mg/L	10 mg/L* mg/L	500 mg/L** mg/L	6 µg/L* µg/L	6 µg/L* µg/L	
<b>Background</b>															
MW-3	02/07/2018	202	113.43	3.67	6.88	4.66	406.9	22.3	0.17	<0.0073	20	15	150	<2.50	-
MW-3	07/25/2018	128	113.25	4.96	7.06	4.39	288.7	24.3	0.18	<0.0073	12	11	160	<2.50	-
MW-3	02/13/2019	177	110.94	3.99	9.37	4.73	354.0	21.4	0.14	<0.0098	15	14	140	<2.50	-
MW-3	07/25/2019	133	111.80	6.03	8.51	4.70	285.1	23.3	0.25	<0.0098	9.2	9.3	96	<2.50	-
MW-3	04/01/2020	114	112.73	3.91	7.58	4.73	298.9	22.5	0.13	<0.0098	8.2	12	110	<2.50	-
MW-7	02/07/2018	97	121.64	0.14	6.83	5.12	162.7	25.4	0.47	<0.0073	5.9	<0.052	64	<2.50	-
MW-7	07/25/2018	91	121.77	0.16	6.70	4.86	57.0	25.6	1.33	<0.0073	6.4	<0.052	110	<2.50	-
MW-7	02/13/2019	97	119.71	0.30	8.76	5.17	-73.1	21.3	0.71	0.046	6.1	<0.052	84	<2.50	-
MW-7	07/25/2019	100	120.77	0.16	7.70	5.06	21.7	25.3	0.50	0.021	8.7	<0.052	72	<2.50	-
MW-7	04/01/2020	117	120.73	0.23	7.74	5.09	143.5	23.5	1.09	0.060	5.8	<0.052	80	<2.50	-
<b>Compliance</b>															
MW-10	02/07/2018	47	106.82	0.25	6.55	4.72	131.9	23.6	19.2	<0.0073	4.9 I	<0.052	28	<2.50	<2.50
MW-10	07/25/2018	45	106.72	0.60	6.65	4.43	108.9	24.8	29.9	0.011 I	5.7	<0.052	78	<2.50	<2.50
MW-10	02/14/2019	45	104.63	0.41	8.74	4.68	44.3	23.4	70.8	<0.0098	4.8 I	<0.052	34	<2.50	<2.50
MW-10	07/25/2019	46	105.87	0.35	7.50	4.74	91.0	23.7	81.9	<0.0098	5.0	<0.052	50	<2.50	<2.50
MW-10	04/01/2020	44	106.28	0.45	7.09	4.61	246.5	23.9	35.2	<0.0098	4.5 I	<0.052	54	<2.50	<2.50
MW-11	02/06/2018	472	99.33	0.41	5.36	7.07	217.2	22.9	0.55	<0.0073	6.7	0.60 I	260	<2.50	-
MW-11	07/24/2018	455	98.53	0.43	6.16	7.10	83.3	23.9	0.33	<0.0073	6.5	0.60 I	260	<2.50	-
MW-11	02/14/2019	494	97.98	0.43	6.71	7.06	208.3	22.3	1.11	<0.0098	6.3	0.82 I	290	<2.50	-
MW-11	07/23/2019	511	98.43	0.62	6.26	6.97	60.6	23.9	1.59	<0.0098	8.6	0.97 I	300	<2.50	-
MW-11	04/03/2020	468	99.20	0.42	5.49	7.04	171.2	23.5	0.70	<0.0098	6.5	1.2	250	<2.50	-
MW-12	02/06/2018	535	97.91	0.13	5.45	6.91	-138.9	23.7	0.67	0.29	4.4 I	<0.052	290	<2.50	-
MW-12	07/24/2018	576	97.15	0.08	6.21	6.87	-142.7	24.2	3.26	0.18	4.5 I	<0.052	320	<2.50	-
MW-12	02/13/2019	491	96.55	0.10	6.81	6.98	-207.2	23.5	0.86	0.65	4.8 I	<0.052	270	<2.50	-
MW-12	07/23/2019	537	97.05	0.13	6.31	6.89	-86.9	24.5	1.03	0.41	7.3	<0.052	310	<2.50	-
MW-12	04/03/2020	626	97.85	0.25	5.51	6.75	-26.7	23.8	1.04	1.6	4.5 I	0.17 I	320	<2.50	-
MW-13	02/06/2018	67	106.38	0.26	5.54	5.38	87.3	23.6	1.92	0.012 I	4.5 I	<0.052	46	<2.50	-
MW-13	07/24/2018	71	105.90	0.21	6.02	5.24	84.1	23.9	2.78	<0.0073	4.4 I	<0.052	42	<2.50	-
MW-13	02/13/2019	70	104.98	0.29	6.94	5.45	41.8	22.7	2.71	0.011 I	4.2 I	<0.052	48	<2.50	-
MW-13	07/23/2019	70	105.52	0.31	6.40	5.34	76.3	24.1	3.11	<0.0098	7.1	<0.052	54	<2.50	-
MW-13	04/03/2020	62	106.04	0.41	5.88	5.28	166.2	23.4	2.49	<0.0098	4.2 I	0.21 I	62	<2.50	-
MW-14	02/05/2018	492	103.00	0.70	5.50	6.98	127.1	23.2	0.63	<0.0073	3.2 I	0.29 I	270	<2.50	-
MW-14	07/23/2018	481	102.38	0.78	6.12	6.98	86.3	23.8	2.31	<0.0073	3.7 I	0.19 I	280	<2.50	-
MW-14	02/12/2019	489	101.67	0.98	6.83	7.02	69.3	23.4	1.71	<0.0098	3.3 I	0.34 I	290	<2.50	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CONDUCTIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ANTIMONY	ANTIMONY, DISSOLVED	
STANDARD UNITS	(1) uS/cm	(1) ft	(1) ppm	(1) ft, NGVD	6.5-8.5 S.U.** S.U.	(1) mV	(1) deg C	(1) NTU	2.8 mg/L*** mg/L	250 mg/L** mg/L	10 mg/L* mg/L	500 mg/L** mg/L	6 µg/L* µg/L	6 µg/L* µg/L	
MW-14	07/23/2019	506	102.19	0.98	6.31	6.94	87.7	24.4	3.98	<0.0098	6.3	0.29 1	280	<2.50	-
MW-14	03/30/2020	527	102.95	0.79	5.55	6.93	150.8	23.9	1.48	<0.0098	3.7 I	0.38 1	280	<2.50	-
MW-15	02/05/2018	52	117.79	0.22	5.79	4.97	64.4	22.6	0.84	0.045	2.8 I	<0.052	24	<2.50	-
MW-15	07/23/2018	51	117.49	0.14	6.09	4.56	25.7	23.3	0.56	0.039	3.1 I	<0.052	42	<2.50	-
MW-15	02/12/2019	53	116.29	0.34	7.29	5.06	-45.3	22.9	0.45	0.11	3.0 I	<0.052	32	<2.50	-
MW-15	07/23/2019	53	116.96	0.28	6.62	5.00	63.1	23.6	2.70	0.073	3.6 I	<0.052	30	<2.50	-
MW-15	03/30/2020	54	117.31	0.24	6.27	4.99	109.6	23.4	0.59	0.12	2.7 I	<0.052	24	<2.50	-
MW-17	02/05/2018	216	105.26	0.22	5.59	5.68	-68.9	23.9	0.88	0.47	3.4 I	<0.052	64	<2.50	-
MW-17	07/23/2018	225	104.66	0.20	6.19	5.61	-84.2	24.6	1.07	0.51	4.5 I	<0.052	120	<2.50	-
MW-17	02/12/2019	203	103.79	0.53	7.06	5.73	-64.9	24.3	1.21	0.47	5.1	<0.052	100	<2.50	-
MW-17	07/23/2019	230	104.46	0.26	6.39	5.72	-4.2	24.6	1.68	0.63	7.1	<0.052	100	<2.50	-
MW-17	03/30/2020	237	105.14	0.31	5.71	5.73	-28.5	24.8	0.51	0.84	4.5 I	<0.052	120	<2.50	-
MW-20	02/07/2018	705	113.13	0.05	6.63	6.31	-108.1	25.6	0.87	0.88	47	<0.052	340	<2.50	-
MW-20	07/25/2018	702	113.03	0.07	6.73	6.32	-136.3	26.2	3.86	0.79	42	<0.052	310	<2.50	-
MW-20	02/13/2019	750	112.43	0.13	7.33	6.33	-171.1	24.7	1.66	0.90	69	<0.052	360	<2.50	-
MW-20	07/25/2019	787	112.48	0.09	7.28	6.25	-122.6	25.4	1.97	0.88	60	<0.052	320	<2.50	-
MW-20	04/01/2020	843	112.72	0.23	7.04	6.17	-65.6	24.9	1.43	2.0	72	<0.052	360	<2.50	-
MW-20	06/04/2020	867	113.36	0.20	6.40	6.18	-91.2	25.6	1.07	-	-	-	-	-	-
MW-21	02/07/2018	169	109.15	0.04	6.48	5.37	34.0	24.4	23.6	1.6	2.9 I	<0.052	110	<2.50	<2.50
MW-21	07/25/2018	112	108.78	0.05	6.85	5.05	6.3	25.2	11.3	0.92	4.0 I	<0.052	110	<2.50	<2.50
MW-21	02/18/2019	138	107.18	0.09	8.45	5.40	-126.8	24.5	13.8	1.5	2.8 I	<0.052	94	<2.50	<2.50
MW-21	07/25/2019	119	107.86	0.11	7.77	5.15	22.4	24.4	14.6	1.6	4.0 I	<0.052	86	<2.50	<2.50
MW-21	04/01/2020	120	108.64	0.23	6.99	5.17	89.4	24.4	10.6	0.96	5.5	<0.052	74	<2.50	<2.50
MW-22	02/08/2018	529	108.36	0.16	5.43	6.89	-87.7	26.4	3.75	<0.0073	4.6 I	-	-	-	-
MW-22	07/26/2018	524	107.39	0.22	6.40	6.88	-65.3	27.4	0.90	<0.0073	4.9 I	<0.052	310	<2.50	-
MW-22	02/18/2019	497	106.93	0.25	6.86	7.03	-103.2	28.1	2.45	<0.0098	4.8 I	<0.052	290	<2.50	-
MW-22	07/29/2019	507	107.02	0.39	6.77	6.92	-19.1	30.1	4.83	<0.0098	4.6 I	<0.052	260	<2.50	-
MW-22	04/02/2020	526	108.21	0.47	5.58	6.82	93.5	31.0	9.35	<0.0098	4.9 I	<0.052	310	<2.50	<2.50
<b>Assessment</b>															
MW-18	02/06/2018	42	109.13	1.09	6.69	5.04	324.2	23.7	35.2	-	-	-	-	-	-
MW-18	07/24/2018	45	108.84	1.59	6.98	4.84	266.4	24.5	67.5	-	-	-	-	-	-
MW-18	02/14/2019	44	106.53	2.35	9.29	5.07	225.1	23.3	15.0	-	-	-	-	-	-
MW-18	07/29/2019	44	106.95	2.28	8.87	4.98	227.1	24.1	4.9	-	-	-	-	-	-
MW-18	04/02/2020	50	108.62	2.28	7.20	5.12	301.2	23.8	82.2	-	-	-	-	-	-
MW-18D	02/08/2018	83	108.92	0.64	-	5.53	183.9	25.4	1.25	-	-	-	-	-	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CONDUCTIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ANTIMONY	ANTIMONY, DISSOLVED
STANDARD UNITS	(1) uS/cm	(1) ft	(1) ppm	(1) ft, NGVD	6.5-8.5 S.U.**	(1) mV	(1) deg C	(1) NTU	2.8 mg/L***	250 mg/L**	10 mg/L*	500 mg/L**	6 µg/L*	6 µg/L*
MW-18D	07/26/2018	52	108.55	0.59	7.13	5.30	200.7	25.6	2.53	-	-	-	-	-
MW-18D	02/18/2019	37	106.42	0.71	9.26	5.18	203.9	28.8	1.33	-	-	-	-	-
MW-18D	07/29/2019	37	106.57	1.03	9.11	5.09	120.5	29.3	0.66	-	-	-	-	-
MW-18D	04/02/2020	31	108.35	0.67	7.33	4.78	294.8	29.8	0.70	-	-	-	-	-
MW-19	02/06/2018	126	106.94	0.17	6.56	5.65	83.5	23.7	2.85	<0.0073	4.4 I	-	-	-
MW-19	07/24/2018	136	106.83	0.20	6.67	5.54	76.7	24.0	2.21	<0.0073	5.1	-	-	-
MW-19	02/14/2019	89	104.78	0.24	8.72	5.49	-30.3	23.2	1.86	<0.0098	4.3 I	-	-	-
MW-19	07/25/2019	158	105.89	0.25	7.61	5.66	11.2	23.8	2.50	<0.0098	6.4	-	-	-
MW-19	04/02/2020	169	106.45	0.42	7.06	5.59	103.8	23.8	2.37	<0.0098	5.1	-	-	-
MW-19D	02/08/2018	307	107.07	0.17	-	6.18	-82.0	25.8	2.13	0.13	5.4	-	-	-
MW-19D	07/26/2018	178	106.85	0.06	6.74	5.77	-69.4	25.9	0.53	0.043	4.6 I	-	-	-
MW-19D	02/18/2019	265	104.91	0.13	8.68	6.13	-182.5	26.6	0.21	0.067	3.9 I	-	-	-
MW-19D	07/29/2019	360	105.69	0.56	7.90	6.17	-77.6	28.3	0.37	0.076	4.9 I	-	-	-
MW-19D	04/02/2020	304	106.47	0.17	7.12	5.95	-20.7	28.6	0.30	0.083	4.0 I	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	ARSENIC	ARSENIC, DISSOLVED	BARIUM	BARIUM, DISSOLVED	BERYLLIUM	BERYLLIUM, DISSOLVED	CADMIUM	CADMIUM, DISSOLVED	CHROMIUM	CHROMIUM, DISSOLVED	COBALT	COBALT, DISSOLVED	COPPER	COPPER, DISSOLVED	
STANDARD UNITS	10 µg/L*	10 µg/L*	2000 µg/L*	2000 µg/L*	4 µg/L*	4 µg/L*	5 µg/L*	5 µg/L*	100 µg/L*	100 µg/L*	140µg/L***	140µg/L***	1000 µg/L**	1000 µg/L**	
<b>Background</b>															
MW-3	02/07/2018	<6.10	-	55.3 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	118	-
MW-3	07/25/2018	<6.10	-	46.7 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	79.5	-
MW-3	02/13/2019	<6.10	-	48.8 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	109	-
MW-3	07/25/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	83.1	-
MW-3	04/01/2020	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	71.4	-
MW-7	02/07/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-7	07/25/2018	<6.10	-	22.3 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	3.08 I	-
MW-7	02/13/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-7	07/25/2019	9.59 I	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	8.05 I	-
MW-7	04/01/2020	6.60 I	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	3.25 I	-
<b>Compliance</b>															
MW-10	02/07/2018	<6.10	<6.10	133	<20.0	<0.940	<0.940	1.16 I	<0.900	5.74 I	<4.50	<2.10	<2.10	<2.20	<2.20
MW-10	07/25/2018	<6.10	<6.10	156	<20.0	<0.940	<0.940	<0.900	<0.900	8.55 I	<4.50	<2.10	6.81 I	5.22 I	<2.20
MW-10	02/14/2019	<6.10	<6.10	140	<20.0	<0.940	<0.940	<0.900	<0.900	10.6	<4.50	<2.10	<2.10	<2.20	<2.20
MW-10	07/25/2019	<5.00	<5.00	222	<50.0	<0.500	<0.500	<0.500	<0.500	12.2	<5.00	<5.00	<5.00	<2.50	<2.50
MW-10	04/01/2020	<5.00	<5.00	81.6 I	<50.0	<0.500	<0.500	<0.500	<0.500	8.18 I	<5.00	<5.00	<5.00	<2.50	<2.50
MW-11	02/06/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-11	07/24/2018	<6.10	-	20.6 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-11	02/14/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-11	07/23/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-11	04/03/2020	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-12	02/06/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-12	07/24/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-12	02/13/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-12	07/23/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-12	04/03/2020	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-13	02/06/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	3.64 I	-	<2.20	-
MW-13	07/24/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	3.38 I	-	<2.20	-
MW-13	02/13/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	5.31 I	-	<2.20	-
MW-13	07/23/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-13	04/03/2020	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-14	02/05/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-14	07/23/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-14	02/12/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-

Friday, July 24, 2020



ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER		ARSENIC	ARSENIC, DISSOLVED	BARIUM	BARIUM, DISSOLVED	BERYLLIUM	BERYLLIUM, DISSOLVED	CADMIUM	CADMIUM, DISSOLVED	CHROMIUM	CHROMIUM, DISSOLVED	COBALT	COBALT, DISSOLVED	COPPER	COPPER, DISSOLVED
STANDARD UNITS		10 µg/L*	10 µg/L*	2000 µg/L*	2000 µg/L*	4 µg/L*	4 µg/L*	5 µg/L*	5 µg/L*	100 µg/L*	100 µg/L*	140µg/L***	140µg/L***	1000 µg/L**	1000 µg/L**
MW-14	07/23/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-14	03/30/2020	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-15	02/05/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-15	07/23/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-15	02/12/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-15	07/23/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-15	03/30/2020	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-17	02/05/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	4.76 I	-	<2.20	-
MW-17	07/23/2018	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	5.34 I	-	<2.20	-
MW-17	02/12/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	5.57 I	-	<2.20	-
MW-17	07/23/2019	5.56 I	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-17	03/30/2020	7.96 I	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	5.12 I	-	<2.50	-
MW-20	02/07/2018	<6.10	-	29.7 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-20	07/25/2018	6.41 I	-	42.7 I	-	<0.940	-	<0.900	-	<4.50	-	2.92 I	-	<2.20	-
MW-20	02/13/2019	<6.10	-	30.2 I	-	<0.940	-	<0.900	-	<4.50	-	2.31 I	-	<2.20	-
MW-20	07/25/2019	9.70 I	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-20	04/01/2020	11.4	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-20	06/04/2020	12.2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<6.10	<6.10	20.0 I	<20.0	<0.940	<0.940	<0.900	<0.900	<4.50	<4.50	2.74 I	3.90 I	<2.20	<2.20
MW-21	07/25/2018	<6.10	<6.10	29.4 I	<20.0	<0.940	<0.940	<0.900	<0.900	<4.50	<4.50	2.69 I	4.10 I	<2.20	<2.20
MW-21	02/18/2019	<6.10	<6.10	<20.0	<20.0	<0.940	<0.940	<0.900	<0.900	<4.50	<4.50	<2.10	<2.10	<2.20	<2.20
MW-21	07/25/2019	<5.00	<5.00	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	<5.00	<5.00	<5.00	3.26 I	<2.50
MW-21	04/01/2020	<5.00	<5.00	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	<5.00	<5.00	<5.00	<2.50	<2.50
MW-22	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	07/26/2018	<6.10	-	29.1 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-22	02/18/2019	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-22	07/29/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-22	04/02/2020	<5.00	<5.00	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	6.42 I	<5.00	<5.00	<5.00	<2.50	<2.50
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	ARSENIC	ARSENIC, DISSOLVED	BARIUM	BARIUM, DISSOLVED	BERYLLIUM	BERYLLIUM, DISSOLVED	CADMIUM	CADMIUM, DISSOLVED	CHROMIUM	CHROMIUM, DISSOLVED	COBALT	COBALT, DISSOLVED	COPPER	COPPER, DISSOLVED
STANDARD UNITS	10 µg/L*	10 µg/L*	2000 µg/L*	2000 µg/L*	4 µg/L*	4 µg/L*	5 µg/L*	5 µg/L*	100 µg/L*	100 µg/L*	140µg/L***	140µg/L***	1000 µg/L**	1000 µg/L**
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	IRON	IRON, DISSOLVED	LEAD	LEAD, DISSOLVED	MERCURY	MERCURY, DISSOLVED	NICKEL	NICKEL, DISSOLVED	SELENIUM	SELENIUM, DISSOLVED	SILVER	SILVER, DISSOLVED	SODIUM	SODIUM, DISSOLVED	
STANDARD UNITS	300 µg/L** µg/L	300 µg/L** µg/L	15 µg/L* µg/L	15 µg/L* µg/L	2 µg/L* µg/L	2 µg/L* µg/L	100 µg/L* µg/L	100 µg/L* µg/L	50 µg/L* µg/L	50 µg/L* µg/L	100 µg/L** µg/L	100 µg/L** µg/L	160 mg/L* mg/L	160 mg/L* mg/L	
<b>Background</b>															
MW-3	02/07/2018	<38.0	-	7.53	-	0.0650 I	-	6.46 I	-	<6.50	-	<0.290	-	14.4	-
MW-3	07/25/2018	<38.0	-	7.15	-	<0.0230	-	4.99 I	-	<6.50	-	<0.290	-	10.6	-
MW-3	02/13/2019	<38.0	-	6.38	-	<0.0230	-	4.34 I	-	<6.50	-	<0.290	-	11.7	-
MW-3	07/25/2019	<25.0	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	7.42	-
MW-3	04/01/2020	28.5 I	-	4.77 I	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	6.93	-
MW-7	02/07/2018	1480	-	<1.60	-	<0.0230	-	7.12 I	-	<6.50	-	<0.290	-	9.45	-
MW-7	07/25/2018	1630	-	<1.60	-	<0.0230	-	5.59 I	-	<6.50	-	<0.290	-	9.28	-
MW-7	02/13/2019	1620	-	<1.60	-	<0.0230	-	5.92 I	-	<6.50	-	<0.290	-	10.5	-
MW-7	07/25/2019	1680	-	<2.50	-	<0.0230	-	6.59 I	-	<5.00	-	<0.500	-	9.47	-
MW-7	04/01/2020	1780	-	<2.50	-	<0.0230	-	6.16 I	-	<5.00	-	<0.500	-	11.0	-
<b>Compliance</b>															
MW-10	02/07/2018	3860	3590	3.92 I	<1.60	0.0404 I	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	4.33	4.14
MW-10	07/25/2018	4040	3090	5.52	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	0.775 I	<0.290	4.42	4.30
MW-10	02/14/2019	2120	911	4.54 I	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	0.343 I	<0.290	4.77	4.47
MW-10	07/25/2019	4350	2510	6.68	<2.50	<0.0230	<0.0230	<5.00	<5.00	<5.00	<5.00	<0.500	<0.500	4.53	4.21
MW-10	04/01/2020	2800	1730	3.54 I	<2.50	<0.0230	<0.0230	<5.00	<5.00	<5.00	<5.00	<0.500	<0.500	4.01	3.95
MW-11	02/06/2018	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	4.24	-
MW-11	07/24/2018	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.81	-
MW-11	02/14/2019	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	4.18	-
MW-11	07/23/2019	31.8 IV	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	4.18	-
MW-11	04/03/2020	<25.0	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	4.05	-
MW-12	02/06/2018	3070	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.09	-
MW-12	07/24/2018	3730	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.65	-
MW-12	02/13/2019	2930	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.42	-
MW-12	07/23/2019	2870 V	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	3.20	-
MW-12	04/03/2020	5900	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	3.82	-
MW-13	02/06/2018	2720	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.47	-
MW-13	07/24/2018	2800	-	<1.60	-	0.0416 I	-	<3.20	-	<6.50	-	<0.290	-	2.34	-
MW-13	02/13/2019	2670	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.60	-
MW-13	07/23/2019	2800 V	-	<2.50	-	0.0257 I	-	<5.00	-	<5.00	-	<0.500	-	2.68	-
MW-13	04/03/2020	2310	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	2.51	-
MW-14	02/05/2018	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.18	-
MW-14	07/23/2018	<38.0	-	<1.60	-	0.0315 I	-	<3.20	-	<6.50	-	<0.290	-	3.30	-
MW-14	02/12/2019	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.26	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	IRON	IRON, DISSOLVED	LEAD	LEAD, DISSOLVED	MERCURY	MERCURY, DISSOLVED	NICKEL	NICKEL, DISSOLVED	SELENIUM	SELENIUM, DISSOLVED	SILVER	SILVER, DISSOLVED	SODIUM	SODIUM, DISSOLVED	
STANDARD UNITS	300 µg/L** µg/L	300 µg/L** µg/L	15 µg/L* µg/L	15 µg/L* µg/L	2 µg/L* µg/L	2 µg/L* µg/L	100 µg/L* µg/L	100 µg/L* µg/L	50 µg/L* µg/L	50 µg/L* µg/L	100 µg/L** µg/L	100 µg/L** µg/L	160 mg/L* mg/L	160 mg/L* mg/L	
MW-14	07/23/2019	52.3 V	-	<2.50	-	0.0270 I	-	<5.00	-	<5.00	-	<0.500	-	3.31	-
MW-14	03/30/2020	43.4 I	-	<2.50	-	0.0345 I	-	<5.00	-	<5.00	-	<0.500	-	3.29	-
MW-15	02/05/2018	8080	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.12	-
MW-15	07/23/2018	8670	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.22	-
MW-15	02/12/2019	8910	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.16	-
MW-15	07/23/2019	8230 V	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	1.08	-	2.39	-
MW-15	03/30/2020	9140	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	2.26	-
MW-17	02/05/2018	33900	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.14	-
MW-17	07/23/2018	33500	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.13	-
MW-17	02/12/2019	33700	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.14	-
MW-17	07/23/2019	39100 V	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	2.49	-
MW-17	03/30/2020	39300	-	<2.50	-	0.0275 I	-	<5.00	-	<5.00	-	<0.500	-	2.67	-
MW-20	02/07/2018	123000	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	16.4	-
MW-20	07/25/2018	127000	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	14.6	-
MW-20	02/13/2019	136000	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	15.0	-
MW-20	07/25/2019	131000	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	13.7	-
MW-20	04/01/2020	170000	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	16.3	-
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	8540	8480	<1.60	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	2.14	2.26
MW-21	07/25/2018	6730	6600	<1.60	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	2.53	2.46
MW-21	02/18/2019	9630	9410	<1.60	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	2.12	2.14
MW-21	07/25/2019	5650	5610	<2.50	<2.50	<0.0230	<0.0230	9.01 I	8.13 I	<5.00	<5.00	0.591 I	<0.500	2.44	2.50
MW-21	04/01/2020	6170	6190	<2.50	<2.50	<0.0230	<0.0230	<5.00	<5.00	<5.00	<5.00	<0.500	<0.500	2.59	2.63
MW-22	02/08/2018	972	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	07/26/2018	703	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	4.13	-
MW-22	02/18/2019	363	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.62	-
MW-22	07/29/2019	237	-	<2.50	-	<0.0230	-	<5.00	-	<5.00	-	<0.500	-	3.30	-
MW-22	04/02/2020	189	124	<2.50	<2.50	<0.0230	<0.0230	<5.00	<5.00	<5.00	<5.00	<0.500	<0.500	3.49	3.42
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	156	-	-	-	-	-	-	-	-	-	-	-	-	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	IRON	IRON, DISSOLVED	LEAD	LEAD, DISSOLVED	MERCURY	MERCURY, DISSOLVED	NICKEL	NICKEL, DISSOLVED	SELENIUM	SELENIUM, DISSOLVED	SILVER	SILVER, DISSOLVED	SODIUM	SODIUM, DISSOLVED
STANDARD UNITS	300 µg/L**	300 µg/L**	15 µg/L*	15 µg/L*	2 µg/L*	2 µg/L*	100 µg/L*	100 µg/L*	50 µg/L*	50 µg/L*	100 µg/L**	100 µg/L**	160 mg/L*	160 mg/L*
MW-18D	07/26/2018	216	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	73.3	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	77.2	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	04/02/2020	82.7	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	24700	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	19800	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	26000	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	34100	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	04/02/2020	34100	-	-	-	-	-	-	-	-	-	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	THALLIUM	THALLIUM, DISSOLVED	VANADIUM	VANADIUM, DISSOLVED	ZINC	ZINC, DISSOLVED	1,1,1,2-TETRA- CHLORO- ETHANE	1,1,1- TRICHLORO- ETHANE	1,1,2,2-TETRA- CHLORO- ETHANE	1,1,2- TRICHLORO- ETHANE	1,1- DICHLORO- ETHANE	1,1- DICHLORO- ETHENE	1,2,3- TRICHLORO- PROPANE	1,2-DIBROMO- 3-CHLORO- PROPANE
STANDARD UNITS	2 µg/L* µg/L	2 µg/L* µg/L	49 µg/L*** µg/L	49 µg/L*** µg/L	5000 µg/L** µg/L	5000 µg/L** µg/L	1.3 µg/L*** µg/L	200 µg/L* µg/L	0.2 µg/L*** µg/L	5 µg/L* µg/L	70 µg/L*** µg/L	7 µg/L* µg/L	0.02 µg/L*** µg/L	0.2 µg/L* µg/L
<b>Background</b>														
MW-3	02/07/2018	<0.580	-	<2.00	-	99.4	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-3	07/25/2018	<0.580	-	<2.00	-	81.8	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-3	02/13/2019	<0.580	-	<2.00	-	109	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-3	07/25/2019	<0.500	-	<5.00	-	63.9	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-3	04/01/2020	<0.500	-	<5.00	-	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-7	02/07/2018	<0.580	-	<2.00	-	34.1 I	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-7	07/25/2018	<0.580	-	<2.00	-	60.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-7	02/13/2019	<0.580	-	<2.00	-	59.3	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-7	07/25/2019	<0.500	-	<5.00	-	60.9	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-7	04/01/2020	<0.500	-	<5.00	-	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
<b>Compliance</b>														
MW-10	02/07/2018	<0.580	<0.580	<2.00	<2.00	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-10	07/25/2018	<0.580	<0.580	<2.00	<2.00	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-10	02/14/2019	<0.580	<0.580	<2.00	<2.00	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-10	07/25/2019	<0.500	<0.500	<5.00	<5.00	<25.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-10	04/01/2020	<0.500	<0.500	<5.00	<5.00	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-11	02/06/2018	1.06	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-11	07/24/2018	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-11	02/14/2019	1.28	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-11	07/23/2019	0.806 I	-	<5.00	-	<25.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-11	04/03/2020	1.13	-	<5.00	-	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	02/06/2018	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	07/24/2018	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	02/13/2019	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	07/23/2019	<0.500	-	<5.00	-	<25.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	04/03/2020	<0.500	-	<5.00	-	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	02/06/2018	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	07/24/2018	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	02/13/2019	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	07/23/2019	<0.500	-	<5.00	-	<25.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	04/03/2020	<0.500	-	<5.00	-	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-14	02/05/2018	<0.580	-	2.19 I	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-14	07/23/2018	<0.580	-	2.77 I	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-14	02/12/2019	<0.580	-	<2.00	-	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	THALLIUM	THALLIUM, DISSOLVED	VANADIUM	VANADIUM, DISSOLVED	ZINC	ZINC, DISSOLVED	1,1,1,2-TETRA- CHLORO- ETHANE	1,1,1- TRICHLORO- ETHANE	1,1,2,2-TETRA- CHLORO- ETHANE	1,1,2- TRICHLORO- ETHANE	1,1- DICHLORO- ETHANE	1,1- DICHLORO- ETHENE	1,2,3- TRICHLORO- PROPANE	1,2-DIBROMO- 3-CHLORO- PROPANE	
STANDARD UNITS	2 µg/L*	2 µg/L*	49 µg/L***	49 µg/L***	5000 µg/L**	5000 µg/L**	1.3 µg/L***	200 µg/L*	0.2 µg/L***	5 µg/L*	70 µg/L***	7 µg/L*	0.02 µg/L***	0.2 µg/L*	
MW-14	07/23/2019	<0.500	-	<5.00	-	<25.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-14	03/30/2020	<0.500	-	<5.00	-	<75.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	02/05/2018	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	07/23/2018	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	02/12/2019	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	07/23/2019	<0.500	-	<5.00	-	<25.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	03/30/2020	<0.500	-	<5.00	-	<75.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	02/05/2018	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	07/23/2018	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	02/12/2019	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	07/23/2019	<0.500	-	<5.00	-	<25.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	03/30/2020	<0.500	-	<5.00	-	<75.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-20	02/07/2018	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-20	07/25/2018	<0.580	-	<2.00	-	19.61	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-20	02/13/2019	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-20	07/25/2019	<0.500	-	<5.00	-	<25.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-20	04/01/2020	<0.500	-	<5.00	-	<75.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<0.580	<0.580	<2.00	<2.00	<16.0	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-21	07/25/2018	<0.580	<0.580	<2.00	<2.00	<16.0	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-21	02/18/2019	<0.580	<0.580	<2.00	<2.00	<16.0	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-21	07/25/2019	<0.500	<0.500	<5.00	<5.00	<25.0	<25.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-21	04/01/2020	<0.500	<0.500	<5.00	<5.00	<75.0	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-22	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	07/26/2018	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-22	02/18/2019	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-22	07/29/2019	<0.500	-	<5.00	-	<25.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-22	04/02/2020	<0.500	<0.500	<5.00	<5.00	<75.0	<75.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	THALLIUM	THALLIUM, DISSOLVED	VANADIUM	VANADIUM, DISSOLVED	ZINC	ZINC, DISSOLVED	1,1,1,2-TETRA- CHLORO- ETHANE	1,1,1- TRICHLORO- ETHANE	1,1,2,2-TETRA- CHLORO- ETHANE	1,1,2- TRICHLORO- ETHANE	1,1- DICHLORO- ETHANE	1,1- DICHLORO- ETHENE	1,2,3- TRICHLORO- PROPANE	1,2-DIBROMO- 3-CHLORO- PROPANE
STANDARD UNITS	2 µg/L*	2 µg/L*	49 µg/L***	49 µg/L***	5000 µg/L**	5000 µg/L**	1.3 µg/L***	200 µg/L*	0.2 µg/L***	5 µg/L*	70 µg/L***	7 µg/L*	0.02 µg/L***	0.2 µg/L*
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	04/02/2020	-	-	-	-	-	-	-	-	-	-	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time



ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER		1,2-DIBROMO-ETHANE (EDB)	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,4-DICHLORO-BENZENE	2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONI-TRILE	BENZENE	BROMO-CHLORO-METHANE	BROMO-DICHLORO-METHANE	BROMOFORM	BROMO-METHANE (METHYL BROMIDE)
STANDARD UNITS		0.02 µg/L*	600 µg/L*	3 µg/L*	5 µg/L*	75 µg/L*	280 µg/L****	350 µg/L**	6300 µg/L****	0.06µg/L****	1 µg/L*	91 µg/L****	0.6 µg/L****	4.4 µg/L****	9.8 µg/L****
<b>Background</b>															
MW-3	02/07/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-3	07/25/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-3	02/13/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-3	07/25/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-3	04/01/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-7	02/07/2018	<0.004	<0.73	<0.63	<0.80	4.5	<1.4	<0.79	<10	<3.2	2.8	<0.94	<0.52	<0.75	<0.95
MW-7	07/25/2018	<0.004	<0.73	<0.63	<0.80	6.6	<1.4	<0.79	<10	<3.2	4.4	<0.94	<0.52	<0.75	<0.95
MW-7	02/13/2019	<0.004	<0.73	<0.63	<0.80	7.7	<1.4	<0.79	<10	<3.2	4.7	<0.94	<0.52	<0.75	<0.95
MW-7	07/25/2019	<0.004	<0.73	<0.63	<0.80	9.8	<1.4	<0.79	<10	<3.2	5.0	<0.94	<0.52	<0.75	<0.95
MW-7	04/01/2020	<0.010	<0.73	<0.63	<0.80	15	<1.4	<0.79	<10	<3.2	7.1	<0.94	<0.52	<0.75	<0.95
<b>Compliance</b>															
MW-10	02/07/2018	<0.004	<0.73	<0.63	<0.80	3.8	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-10	07/25/2018	<0.004	<0.73	<0.63	<0.80	3.6	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-10	02/14/2019	<0.004	<0.73	<0.63	<0.80	3.5	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-10	07/25/2019	<0.004	<0.73	<0.63	<0.80	3.8	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-10	04/01/2020	<0.010	<0.73	<0.63	<0.80	2.8	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-11	02/06/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-11	07/24/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-11	02/14/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-11	07/23/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-11	04/03/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-12	02/06/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	121	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-12	07/24/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-12	02/13/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-12	07/23/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-12	04/03/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-13	02/06/2018	<0.004	<0.73	<0.63	<0.80	1.4	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-13	07/24/2018	<0.004	<0.73	<0.63	<0.80	1.4	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-13	02/13/2019	<0.004	<0.73	<0.63	<0.80	1.3	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-13	07/23/2019	<0.004	<0.73	<0.63	<0.80	1.2	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-13	04/03/2020	<0.010	<0.73	<0.63	<0.80	1.2	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-14	02/05/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-14	07/23/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-14	02/12/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER		1,2-DIBROMO-ETHANE (EDB)	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,4-DICHLORO-BENZENE	2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONI-TRILE	BENZENE	BROMO-CHLORO-METHANE	BROMO-DICHLORO-METHANE	BROMOFORM	BROMO-METHANE (METHYL BROMIDE)
STANDARD UNITS		0.02 µg/L*	600 µg/L*	3 µg/L*	5 µg/L*	75 µg/L*	280 µg/L***	350 µg/L**	6300 µg/L***	0.06µg/L***	1 µg/L*	91 µg/L***	0.6 µg/L***	4.4 µg/L***	9.8 µg/L***
MW-14	07/23/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-14	03/30/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-15	02/05/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	12.1	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-15	07/23/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-15	02/12/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-15	07/23/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-15	03/30/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-17	02/05/2018	<0.004	<0.73	<0.63	<0.80	1.2	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-17	07/23/2018	<0.004	<0.73	<0.63	<0.80	0.94.1	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-17	02/12/2019	<0.004	<0.73	<0.63	<0.80	1.2	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-17	07/23/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-17	03/30/2020	<0.010	<0.73	<0.63	<0.80	0.82.1	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-20	02/07/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-20	07/25/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-20	02/13/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-20	07/25/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-20	04/01/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<0.004	<0.73	<0.63	<0.80	3.8	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-21	07/25/2018	<0.004	<0.73	<0.63	<0.80	3.9	<1.4	<0.79	<10	<3.2	0.94.1	<0.94	<0.52	<0.75	<0.95
MW-21	02/18/2019	<0.004	<0.73	<0.63	<0.80	2.8	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-21	07/25/2019	<0.004	<0.73	<0.63	<0.80	2.8	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-21	04/01/2020	<0.010	<0.73	<0.63	<0.80	3.6	<1.4	<0.79	<10	<3.2	0.84.1	<0.94	<0.52	<0.75	<0.95
MW-22	02/08/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-22	07/26/2018	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-22	02/18/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-22	07/29/2019	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-22	04/02/2020	<0.010	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	<10	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER		1,2-DIBROMO-ETHANE (EDB)	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,4-DICHLORO-BENZENE	2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONI-TRILE	BENZENE	BROMO-CHLORO-METHANE	BROMO-DICHLORO-METHANE	BROMOFORM	BROMO-METHANE (METHYL BROMIDE)
STANDARD UNITS		0.02 µg/L*	600 µg/L*	3 µg/L*	5 µg/L*	75 µg/L*	280 µg/L***	350 µg/L**	6300 µg/L***	0.06µg/L***	1 µg/L*	91 µg/L***	0.6 µg/L***	4.4 µg/L***	9.8 µg/L***
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	04/02/2020	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	-	0.76 I	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	-	0.84 I	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	-	0.77 I	-	-	-	-
MW-19D	04/02/2020	-	-	-	-	-	-	-	-	-	0.77 I	-	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-ETHANE	CHLORO-FORM	CHLORO-METHANE (METHYL CHLORIDE)	CIS-1,2-DICHLORO-ETHENE	CIS-1,3-DICHLORO-PROPENE	DIBROMO-CHLORO-METHANE	DICHLORO-METHANE	ETHYL-BENZENE	M&P-XYLENES	METHYL ETHYL KETONE	METHYL-IODIDE	
STANDARD UNITS	700 µg/L***	3 µg/L*	100 µg/L*	12 µg/L***	70 µg/L***	2.7 µg/L***	70 µg/L*	0.4 µg/L***	0.4 µg/L***	5 µg/L*	30 µg/L**	20 µg/L**	4200 µg/L***	(1) µg/L	
<b>Background</b>															
MW-3	02/07/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-3	07/25/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-3	02/13/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-3	07/25/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-3	04/01/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-7	02/07/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.95 I	<0.59	<0.44	<2.0	<1.3	<4.5	<0.72	
MW-7	07/25/2018	<2.6	<0.94	2.5	<0.98	<0.80	<0.82	1.9	<0.59	<0.44	<2.0	3.3	<1.3	<4.5	<0.72
MW-7	02/13/2019	<2.6	<0.94	1.9	<0.98	<0.80	<0.82	1.7	<0.59	<0.44	<2.0	7.0	<1.3	<4.5	<0.72
MW-7	07/25/2019	<2.6	<0.94	2.7	<0.98	<0.80	<0.82	1.8	<0.59	<0.44	<2.0	12	2.7	<4.5	<0.72
MW-7	04/01/2020	<2.6	<0.94	3.0	<0.98	<0.80	<0.82	2.1	<0.59	<0.44	<2.0	6.6	<1.3	<4.5	<0.72
<b>Compliance</b>															
MW-10	02/07/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.1	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-10	07/25/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.3	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-10	02/14/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.69 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-10	07/25/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.84 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-10	04/01/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.66 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-11	02/06/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-11	07/24/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-11	02/14/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-11	07/23/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-11	04/03/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-12	02/06/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-12	07/24/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-12	02/13/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-12	07/23/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-12	04/03/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-13	02/06/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.98 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-13	07/24/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.71 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-13	02/13/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.1	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-13	07/23/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.90 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-13	04/03/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.94 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-14	02/05/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-14	07/23/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-14	02/12/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER		CARBON DISULFIDE	CARBON TETRA- CHLORIDE	CHLORO- BENZENE	CHLORO- ETHANE	CHLORO- FORM	CHLORO- METHANE (METHYL CHLORIDE)	CIS-1,2- DICHLORO- ETHENE	CIS-1,3- DICHLORO- PROPENE	DIBROMO- CHLORO- METHANE	DICHLORO- METHANE	ETHYL- BENZENE	M&P- XYLENES	METHYL ETHYL KETONE	METHYL- IODIDE
STANDARD UNITS		700 µg/L***	3 µg/L*	100 µg/L*	12 µg/L***	70 µg/L***	2.7 µg/L***	70 µg/L*	0.4 µg/L***	0.4 µg/L***	5 µg/L*	30 µg/L**	20 µg/L**	4200 µg/L***	(1) µg/L
MW-14	07/23/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-14	03/30/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-15	02/05/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.6	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-15	07/23/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.8	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-15	02/12/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.5	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-15	07/23/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.5	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-15	03/30/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.7	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-17	02/05/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-17	07/23/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-17	02/12/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-17	07/23/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-17	03/30/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-20	02/07/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-20	07/25/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-20	02/13/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-20	07/25/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-20	04/01/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.65 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-21	07/25/2018	<2.6	<0.94	0.96 I	<0.98	<0.80	<0.82	1.0	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-21	02/18/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-21	07/25/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-21	04/01/2020	<2.6	<0.94	0.87 I	<0.98	<0.80	<0.82	0.74 I	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-22	02/08/2018	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-22	07/26/2018	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-22	02/18/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-22	07/29/2019	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-22	04/02/2020	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
<b>Assessment</b>															
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-ETHANE	CHLORO-FORM	CHLORO-METHANE (METHYL CHLORIDE)	CIS-1,2-DICHLORO-ETHENE	CIS-1,3-DICHLORO-PROPENE	DIBROMO-CHLORO-METHANE	DICHLORO-METHANE	ETHYL-BENZENE	M&P-XYLENES	METHYL ETHYL KETONE	METHYL-IODIDE
STANDARD UNITS	700 µg/L***	3 µg/L*	100 µg/L*	12 µg/L***	70 µg/L***	2.7 µg/L***	70 µg/L*	0.4 µg/L***	0.4 µg/L***	5 µg/L*	30 µg/L**	20 µg/L**	4200 µg/L***	(1) µg/L
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	04/02/2020	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	3.7 I	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	2.9 I	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19D	04/02/2020	-	-	-	-	-	-	-	-	<2.0	-	-	-	-

**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TRANS-1,2- DICHLORO- ETHENE	TRANS-1,3- DICHLORO- PROPENE	TRICHLORO- ETHENE	TRICHLORO- FLUORO- METHANE	VINYL ACETATE	VINYL CHLORIDE	XYLENES	(E)-1,4- DICHLORO-2- BUTENE	DIBROMO- METHANE	
STANDARD UNITS	20 µg/L** µg/L	100 µg/L* µg/L	3 µg/L* µg/L	40 µg/L** µg/L	100 µg/L* µg/L	0.4 µg/L*** µg/L	3 µg/L* µg/L	2100 µg/L*** µg/L	88 µg/L*** µg/L	1 µg/L* µg/L	20 µg/L** µg/L	(1) µg/L	70 µg/L*** µg/L	
<b>Background</b>														
MW-3	02/07/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-3	07/25/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-3	02/13/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-3	07/25/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-3	04/01/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-7	02/07/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-7	07/25/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-7	02/13/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-7	07/25/2019	1.1	<0.61	<0.76	1.3	<0.73	<0.73	<0.89	<0.94	<0.60	1.1	3.7	<0.79	<0.84
MW-7	04/01/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
<b>Compliance</b>														
MW-10	02/07/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-10	07/25/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-10	02/14/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-10	07/25/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-10	04/01/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-11	02/06/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-11	07/24/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-11	02/14/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-11	07/23/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-11	04/03/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-12	02/06/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-12	07/24/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-12	02/13/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-12	07/23/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-12	04/03/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-13	02/06/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-13	07/24/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-13	02/13/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-13	07/23/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-13	04/03/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-14	02/05/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-14	07/23/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-14	02/12/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84

Friday, July 24, 2020

ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER		O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TRANS-1,2- DICHLORO- ETHENE	TRANS-1,3- DICHLORO- PROPENE	TRICHLORO- ETHENE	TRICHLORO- FLUORO- METHANE	VINYL ACETATE	VINYL CHLORIDE	XYLENES	(E)-1,4- DICHLORO-2- BUTENE	DIBROMO- METHANE
STANDARD UNITS		20 µg/L**	100 µg/L*	3 µg/L*	40 µg/L**	100 µg/L*	0.4 µg/L***	3 µg/L*	2100 µg/L***	88 µg/L***	1 µg/L*	20 µg/L**	(1) µg/L	70 µg/L***
MW-14	07/23/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-14	03/30/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-15	02/05/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-15	07/23/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-15	02/12/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-15	07/23/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-15	03/30/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-17	02/05/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-17	07/23/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-17	02/12/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-17	07/23/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-17	03/30/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-20	02/07/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-20	07/25/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-20	02/13/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-20	07/25/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-20	04/01/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-20	06/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/07/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-21	07/25/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-21	02/18/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-21	07/25/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-21	04/01/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-22	02/08/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-22	07/26/2018	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-22	02/18/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-22	07/29/2019	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
MW-22	04/02/2020	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	<1.3	<0.79	<0.84
<b>Assessment</b>														
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18	04/02/2020	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-

Friday, July 24, 2020



ALL DATA  
 CITRUS COUNTY CENTRAL LANDFILL  
 FEBRUARY 2018 THROUGH JUNE 2020

PARAMETER	O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TRANS-1,2- DICHLORO- ETHENE	TRANS-1,3- DICHLORO- PROPENE	TRICHLORO- ETHENE	TRICHLORO- FLUORO- METHANE	VINYL ACETATE	VINYL CHLORIDE	XYLENES	(E)-1,4- DICHLORO-2- BUTENE	DIBROMO- METHANE
STANDARD UNITS	20 µg/L**	100 µg/L*	3 µg/L*	40 µg/L**	100 µg/L*	0.4 µg/L***	3 µg/L*	2100 µg/L***	88 µg/L***	1 µg/L*	20 µg/L**	(1)	70 µg/L***
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18D	04/02/2020	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	3.5	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	2.1	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	1.8	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	2.6	-	-	-
MW-19	04/02/2020	-	-	-	-	-	-	-	-	2.2	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	0.83 I	-	-	-
MW-19D	04/02/2020	-	-	-	-	-	-	-	-	<0.71	-	-	-

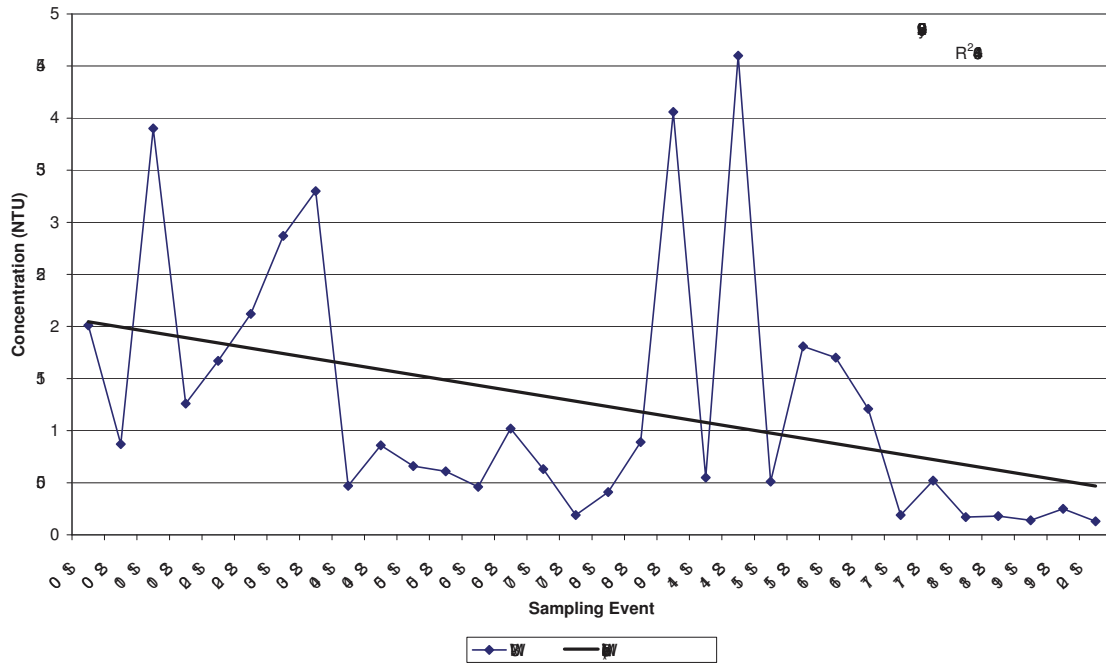
**LEGEND**  
 \* =Primary Drinking Water Standard  
 \*\* =Secondary Drinking Water Standard  
 \*\*\* =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)  
 (1) =No Standard  
 - =Not Analyzed  
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)  
 J = Estimated value  
 V = Analyte found in associated method blank  
 Q = Estimated value; analyte analyzed after acceptable holding time

## **Attachment 7**

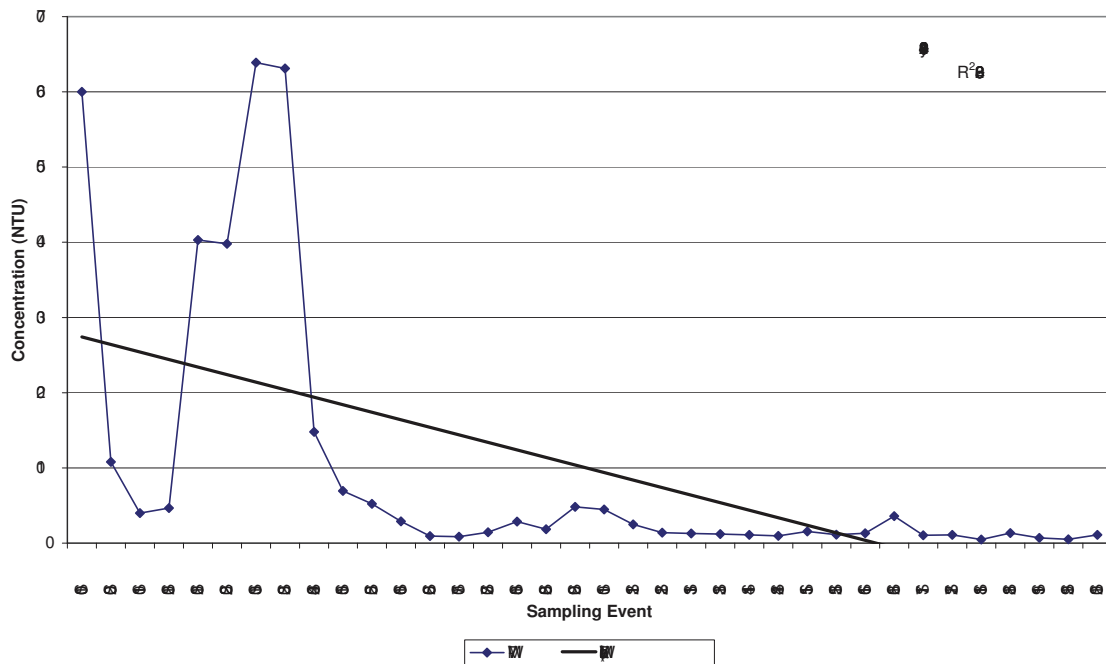
### **Historical Groundwater Trend Graphs**

**Citrus County Central Landfill  
Historical Turbidity Data**

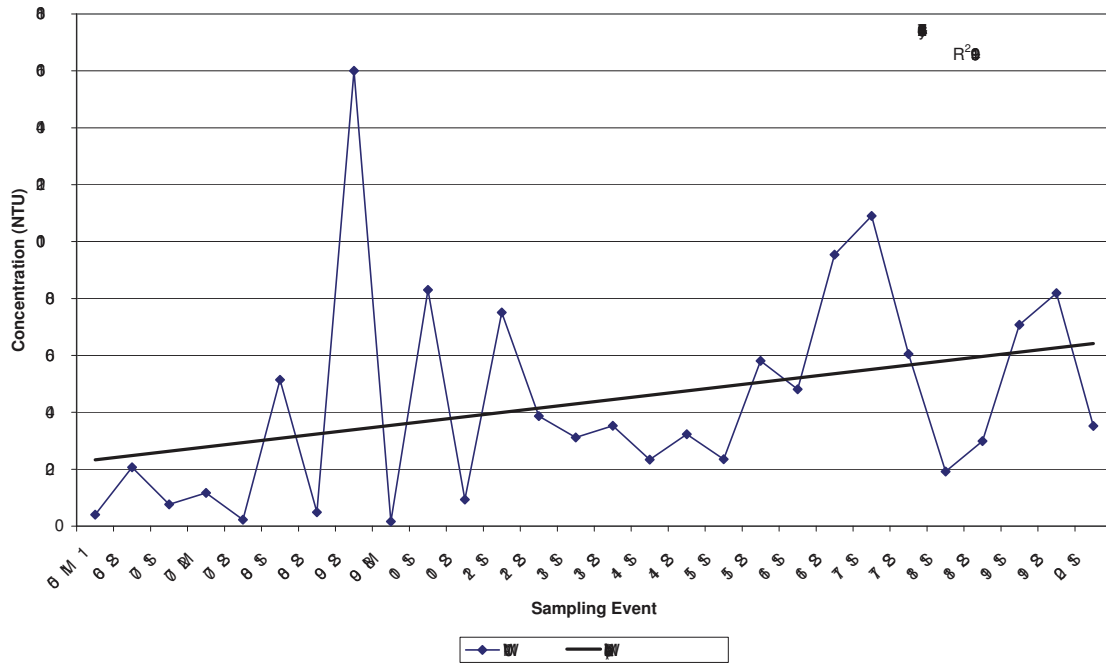
Citrus County Central Landfill  
Historic Turbidity in MW-3



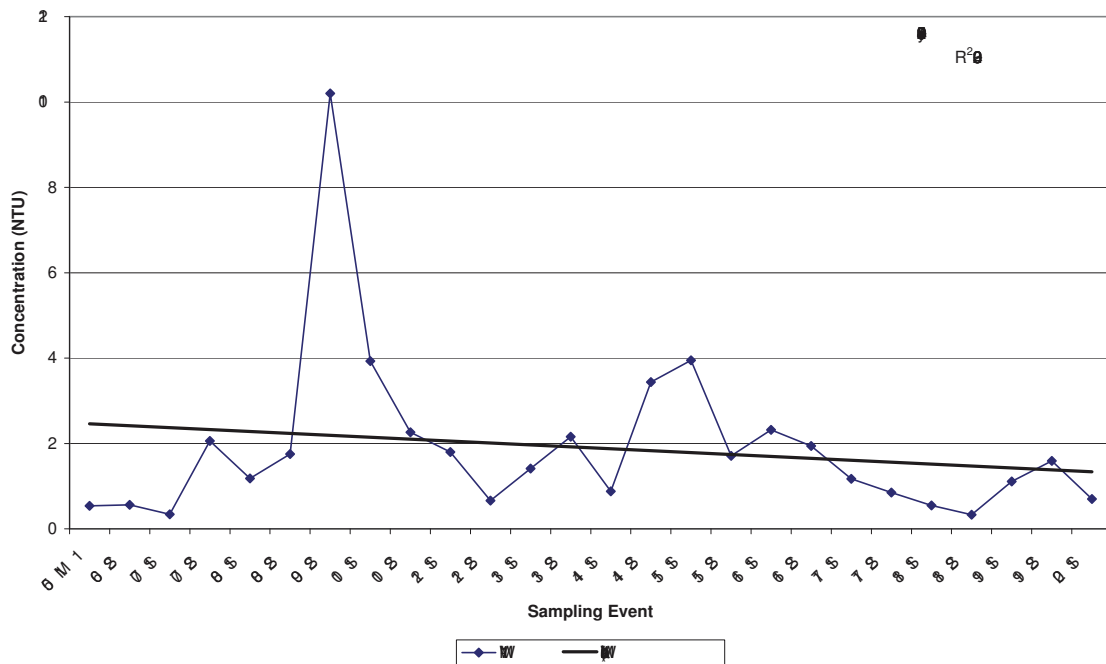
Citrus County Central Landfill  
Historic Turbidity in MW-7



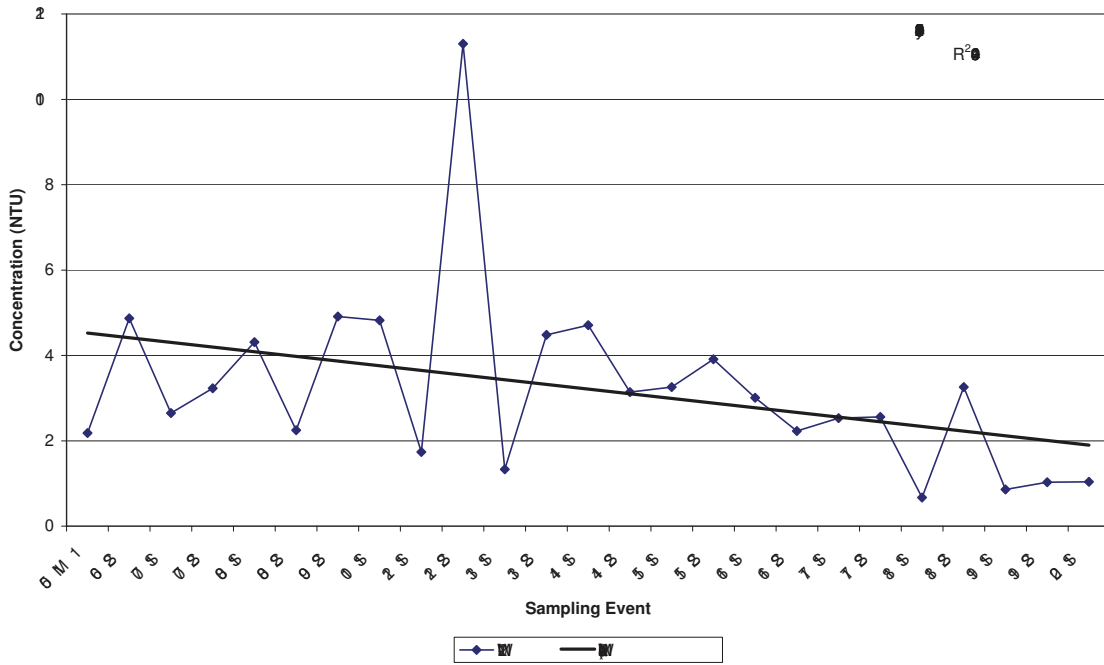
Citrus County Central Landfill  
Historic Turbidity in MW-10



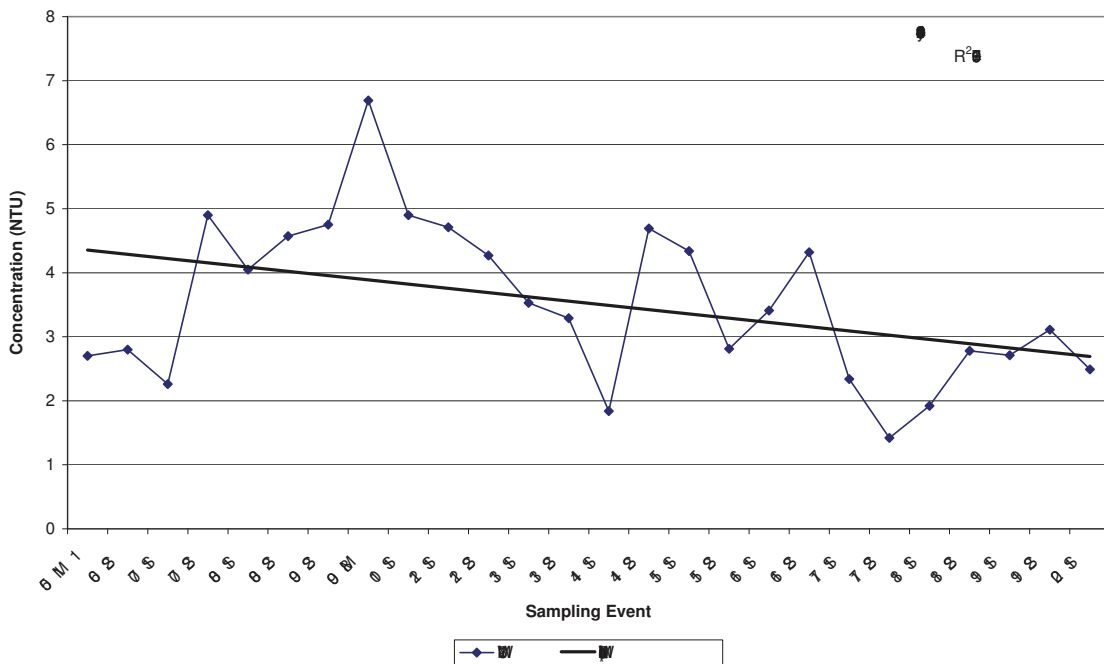
Citrus County Central Landfill  
Historic Turbidity in MW-11



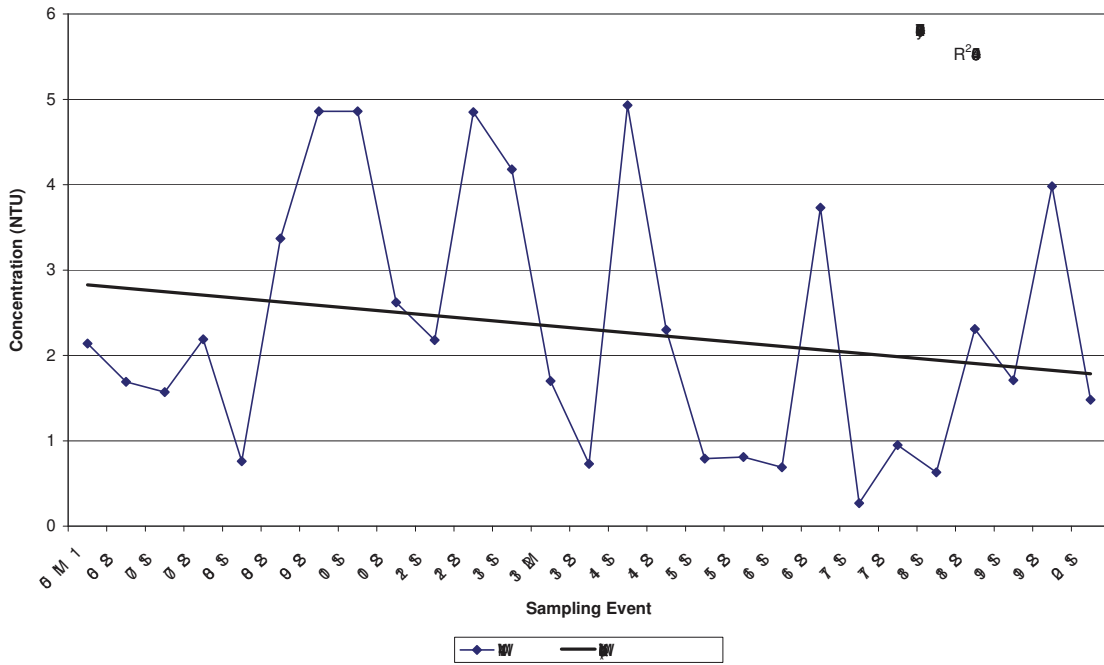
Citrus County Central Landfill  
Historic Turbidity in MW-12



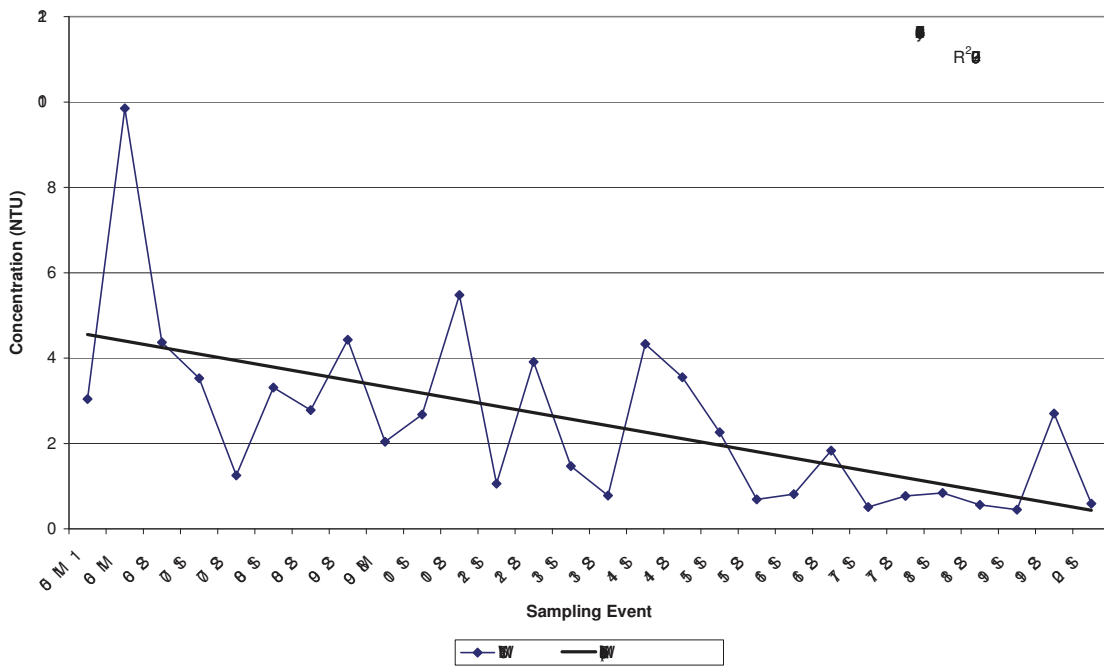
Citrus County Central Landfill  
Historic Turbidity in MW-13



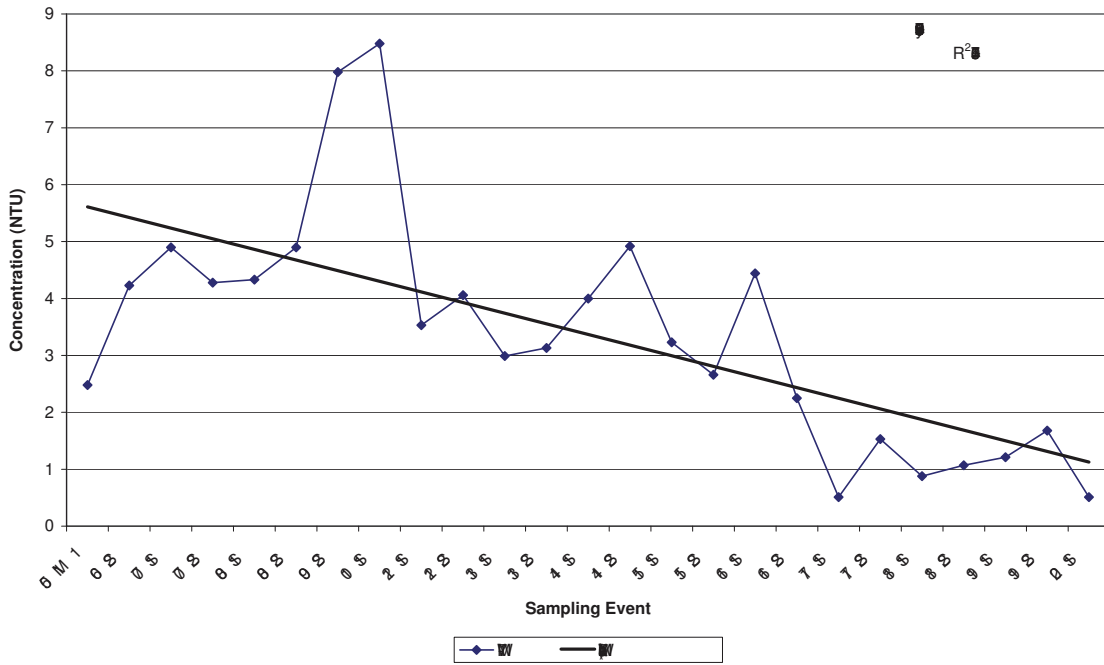
Citrus County Central Landfill  
Historic Turbidity in MW-14



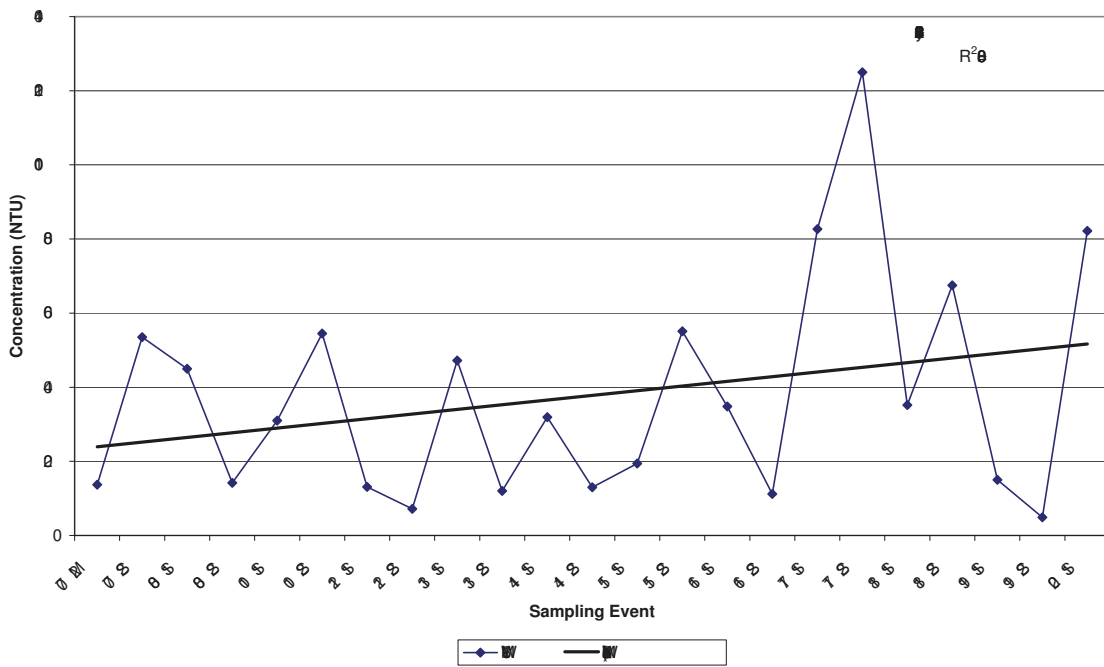
Citrus County Central Landfill  
Historic Turbidity in MW-15



Citrus County Central Landfill  
Historic Turbidity in MW-17

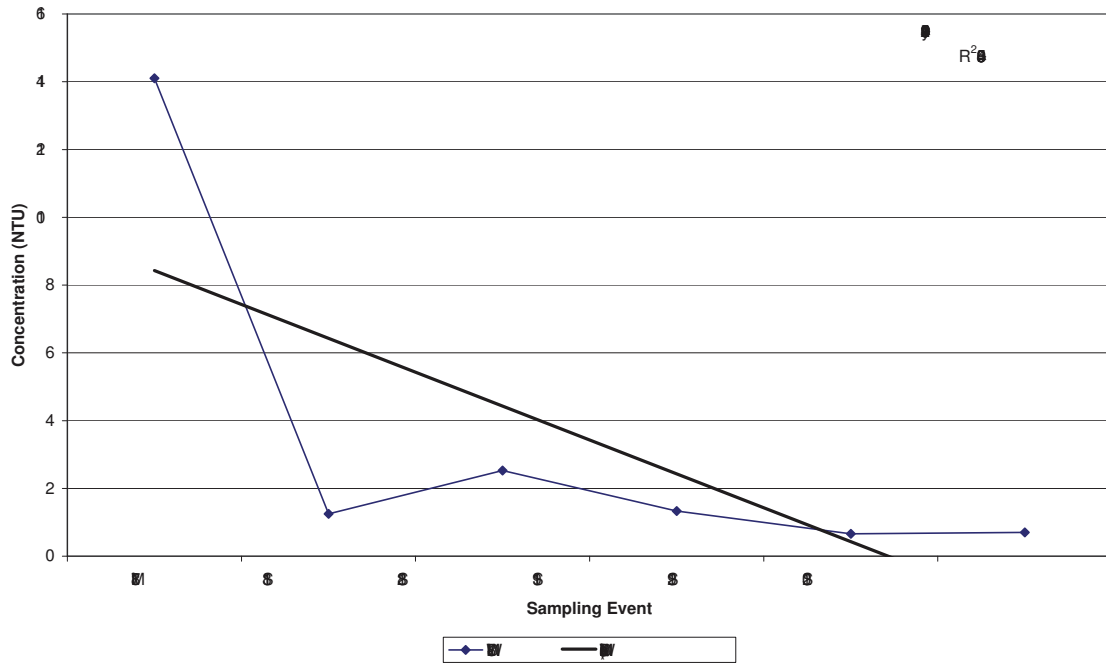


Citrus County Central Landfill  
Historic Turbidity in MW-18

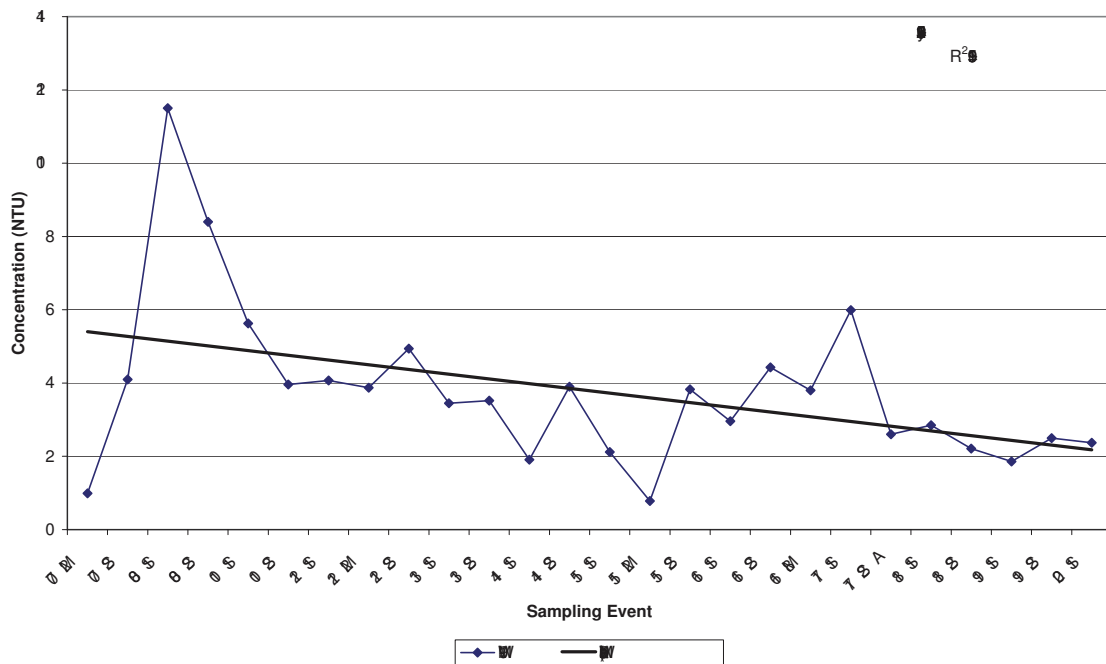




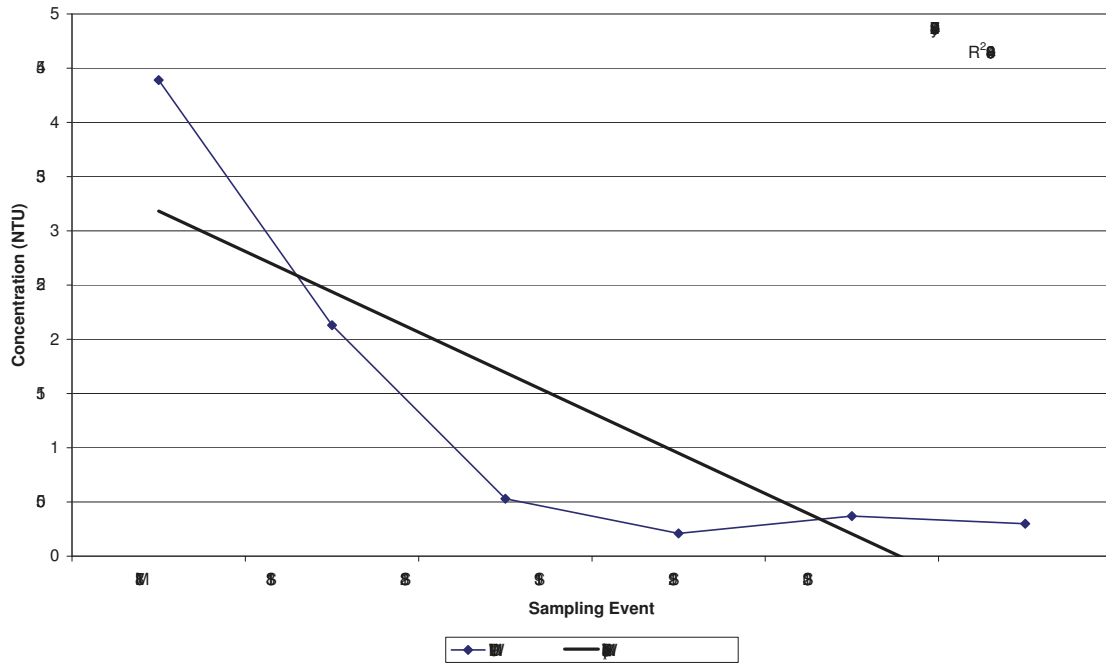
Citrus County Central Landfill  
Historic Turbidity in MW-18D



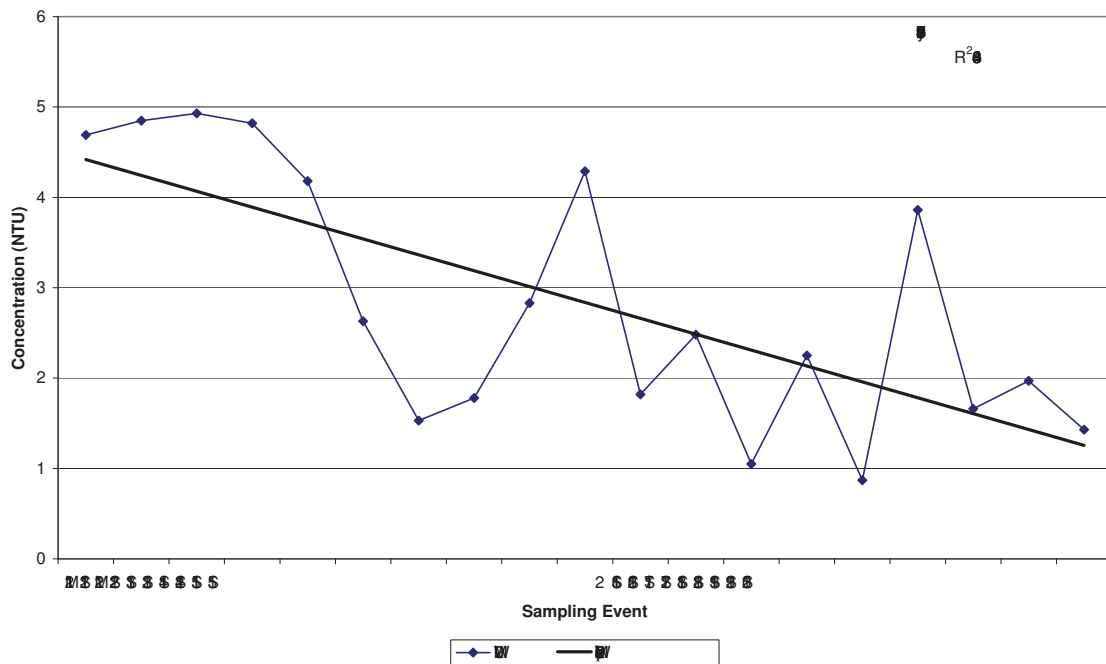
Citrus County Central Landfill  
Historic Turbidity in MW-19



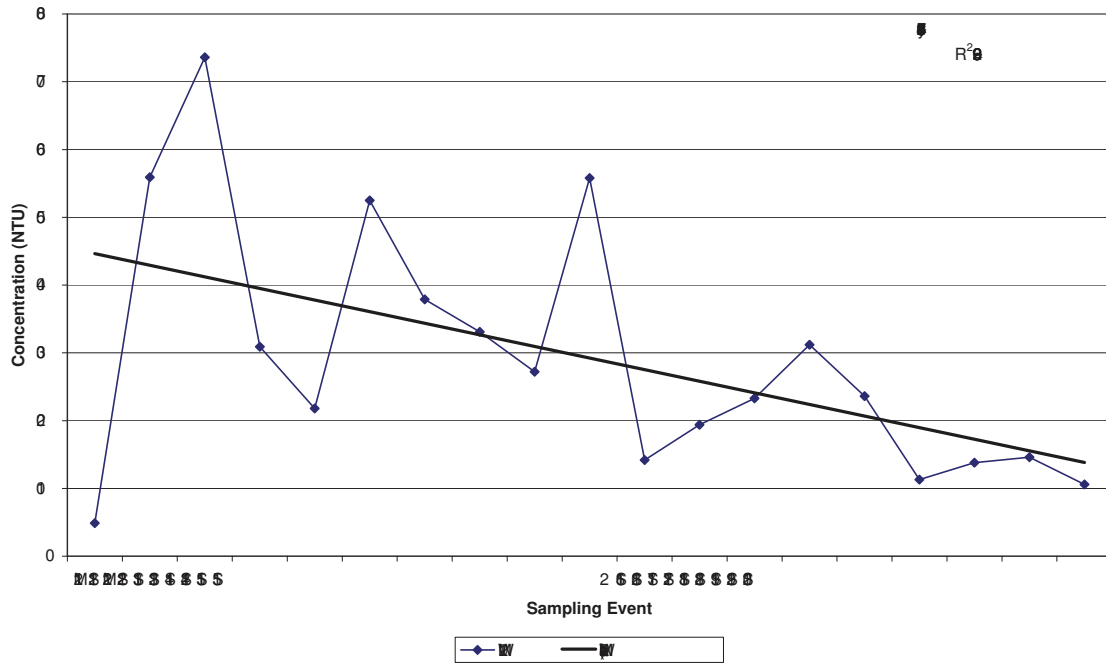
Citrus County Central Landfill  
Historic Turbidity in MW-19D



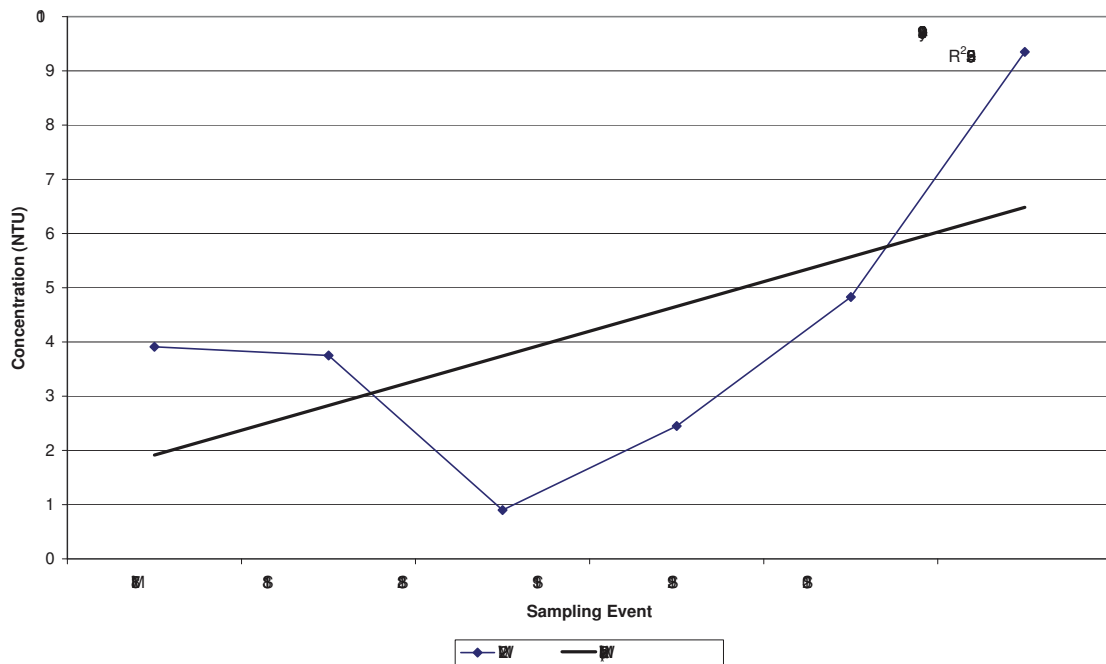
Citrus County Central Landfill  
Historic Turbidity in MW-20



Citrus County Central Landfill  
Historic Turbidity in MW-21

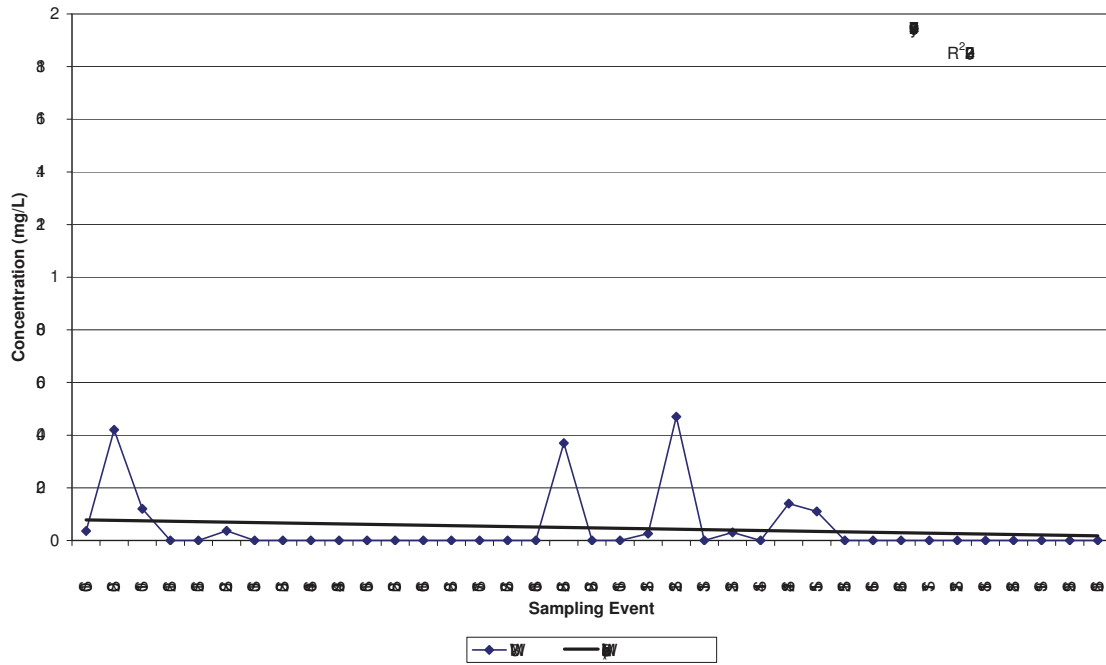


Citrus County Central Landfill  
Historic Turbidity in MW-22

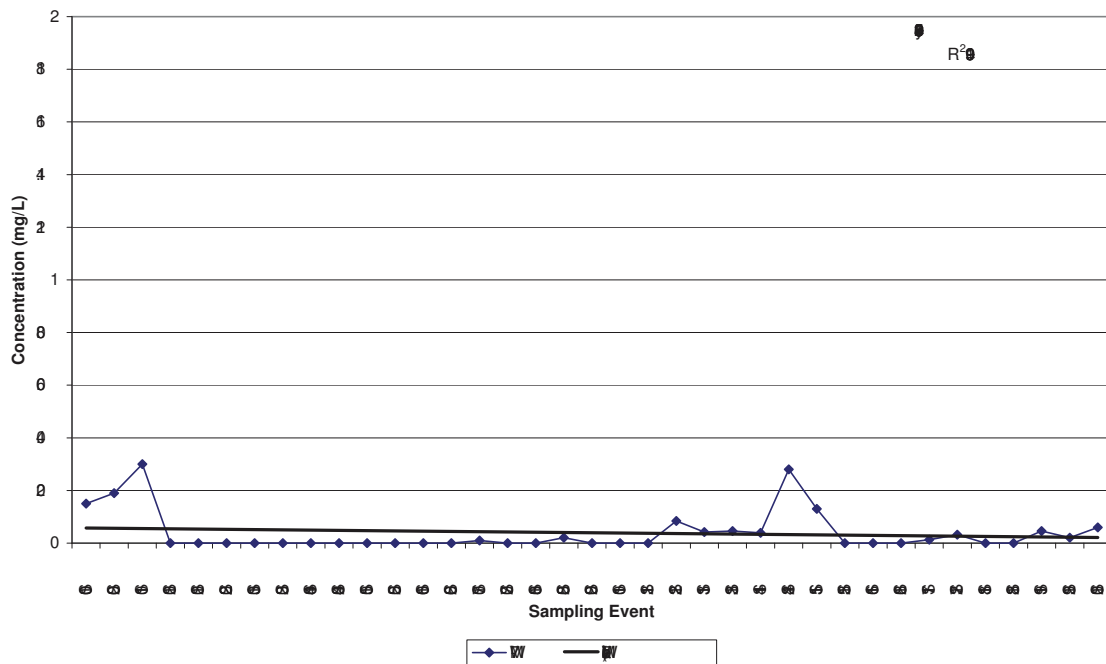


**Citrus County Central Landfill  
Historical Ammonia-Nitrogen Data**

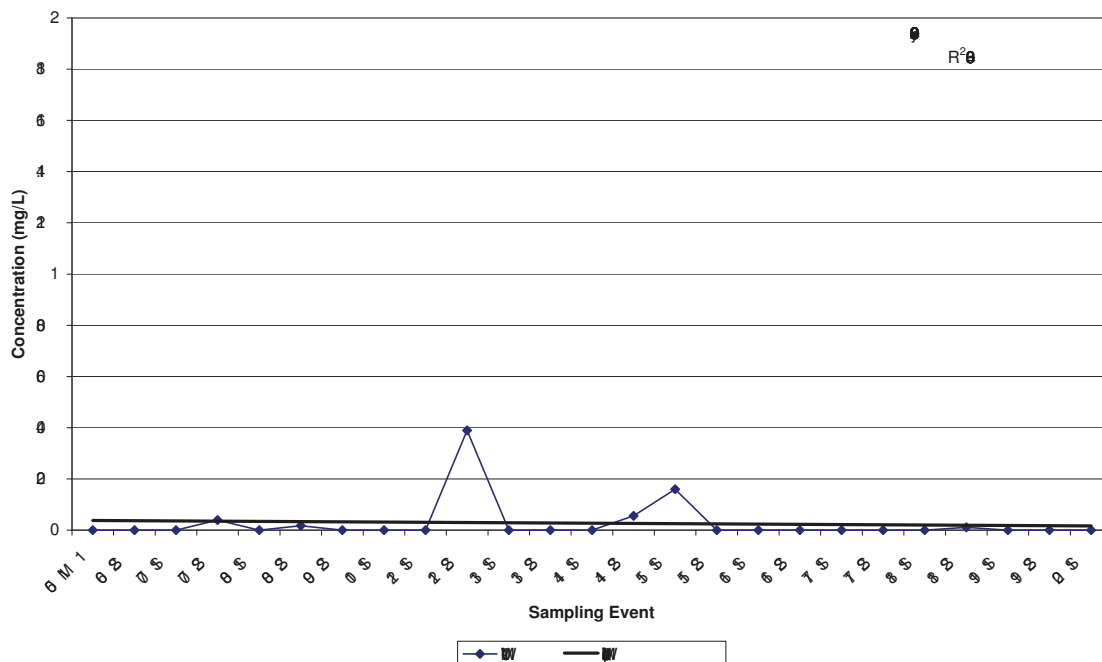
Citrus County Central Landfill  
 Historic Ammonia as N in MW-3



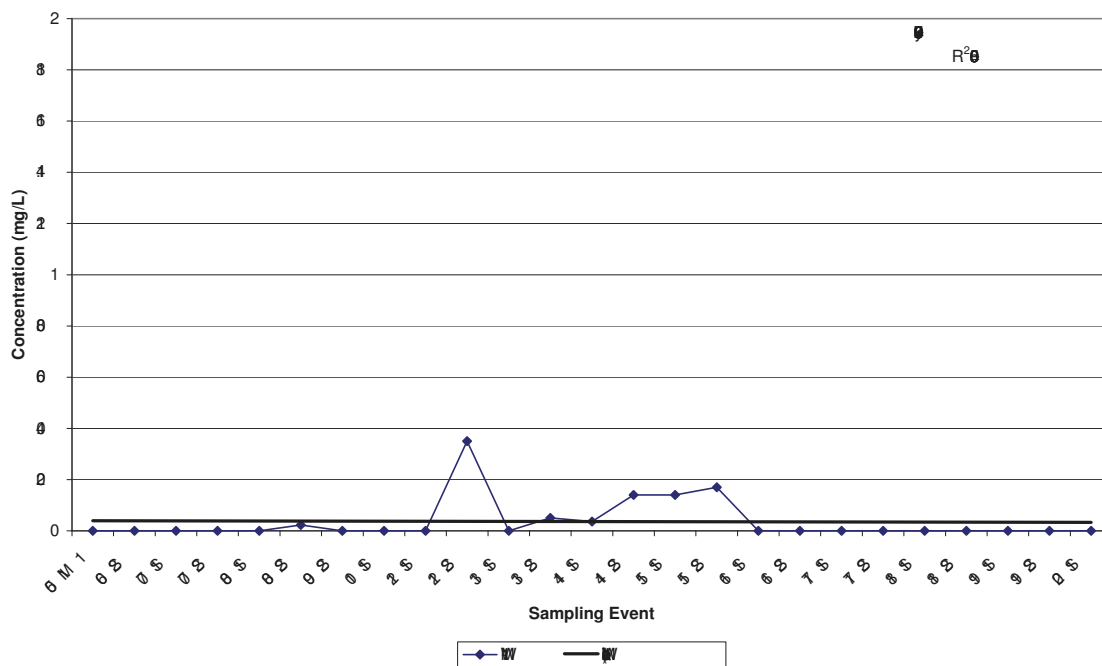
Citrus County Central Landfill  
 Historic Ammonia as N in MW-7



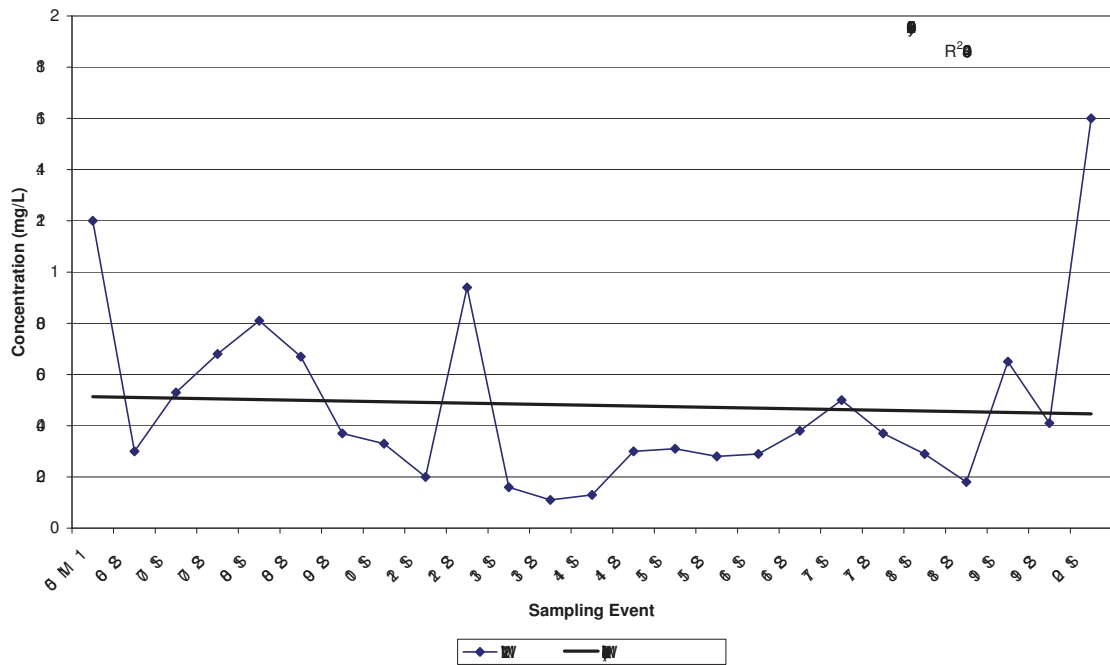
Citrus County Central Landfill  
Historic Ammonia as N in MW-10



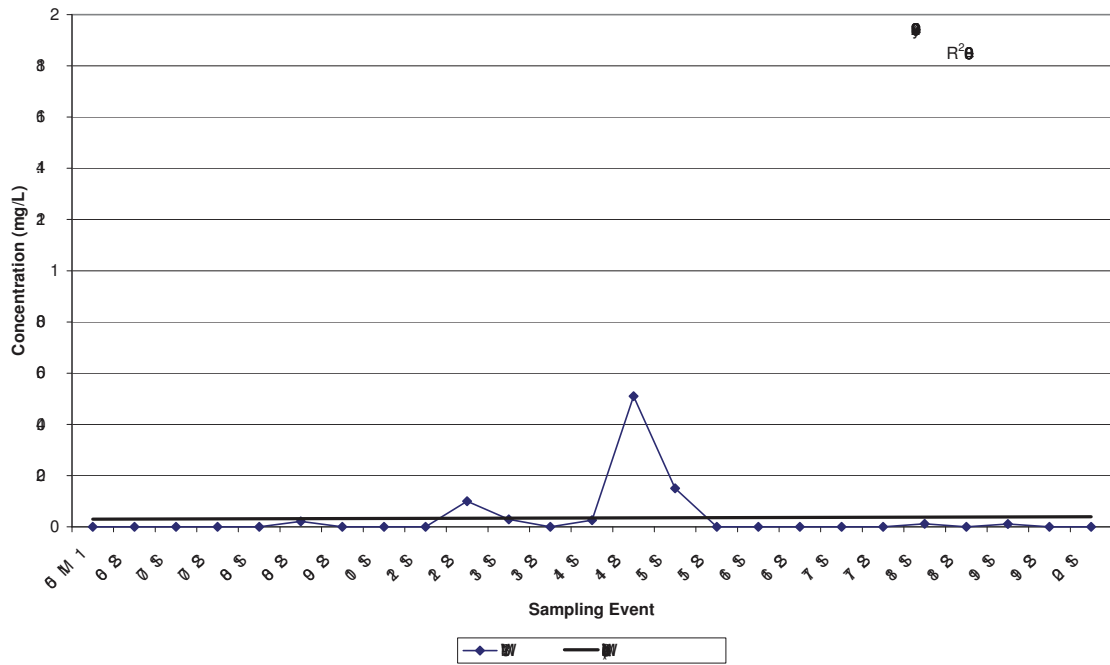
Citrus County Central Landfill  
Historic Ammonia as N in MW-11



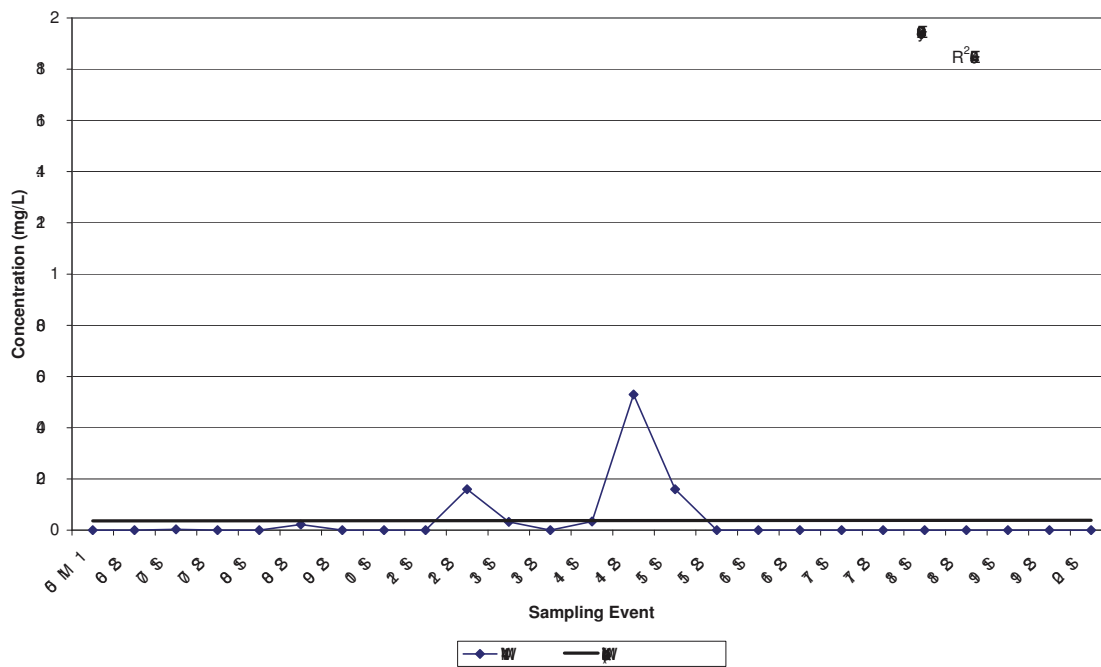
Citrus County Central Landfill  
Historic Ammonia as N in MW-12



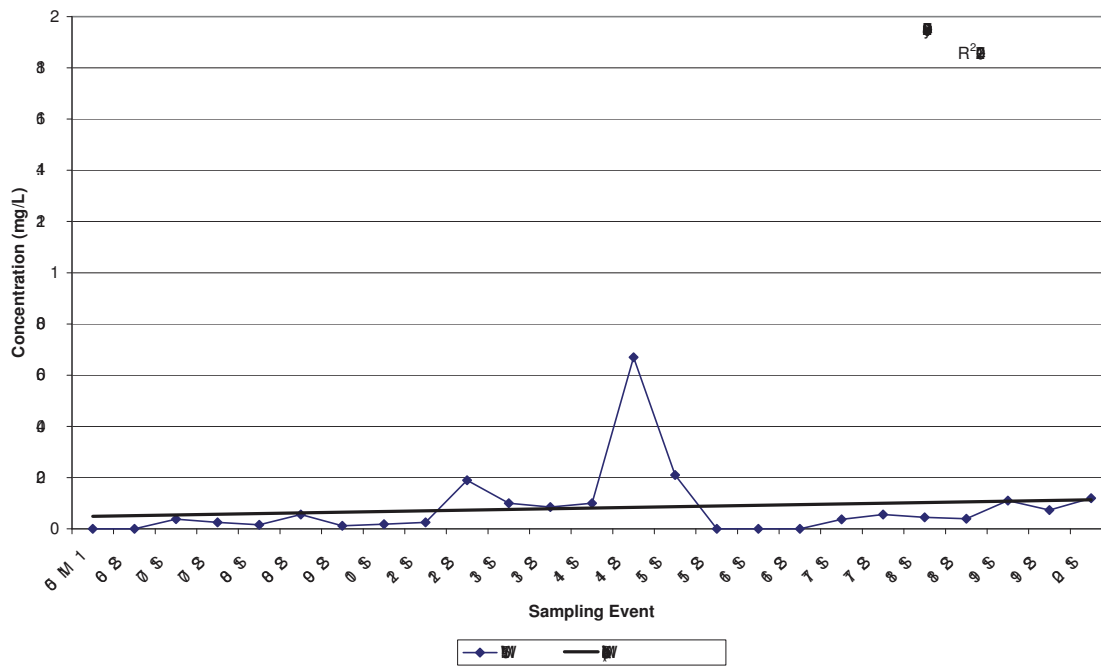
Citrus County Central Landfill  
Historic Ammonia as N in MW-13



Citrus County Central Landfill  
Historic Ammonia as N in MW-14

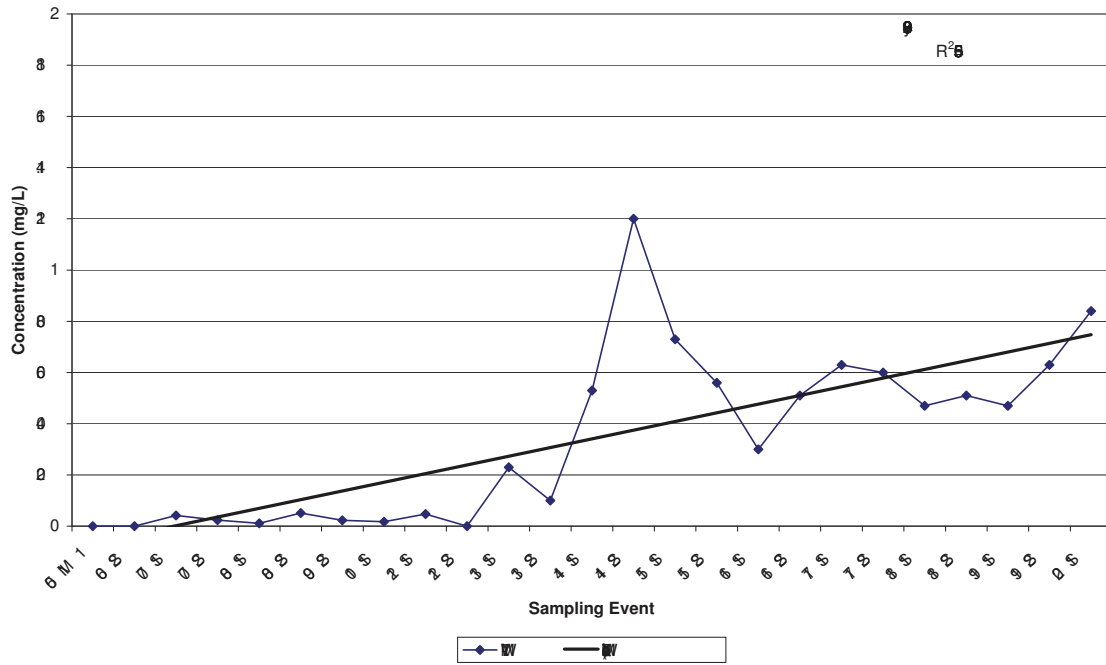


Citrus County Central Landfill  
Historic Ammonia as N in MW-15

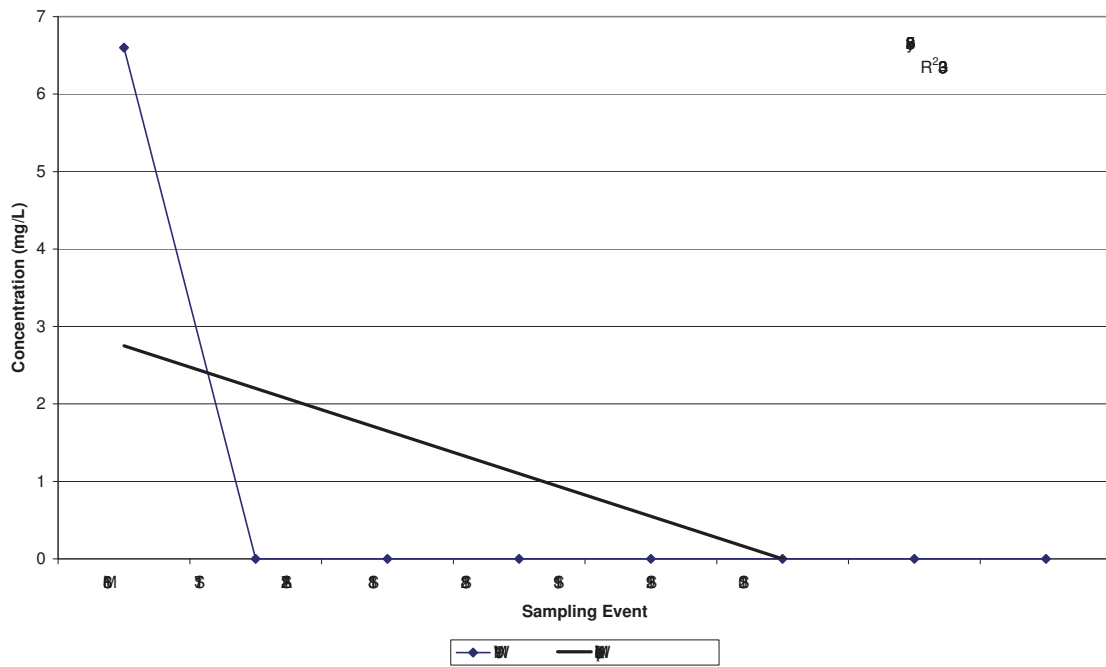




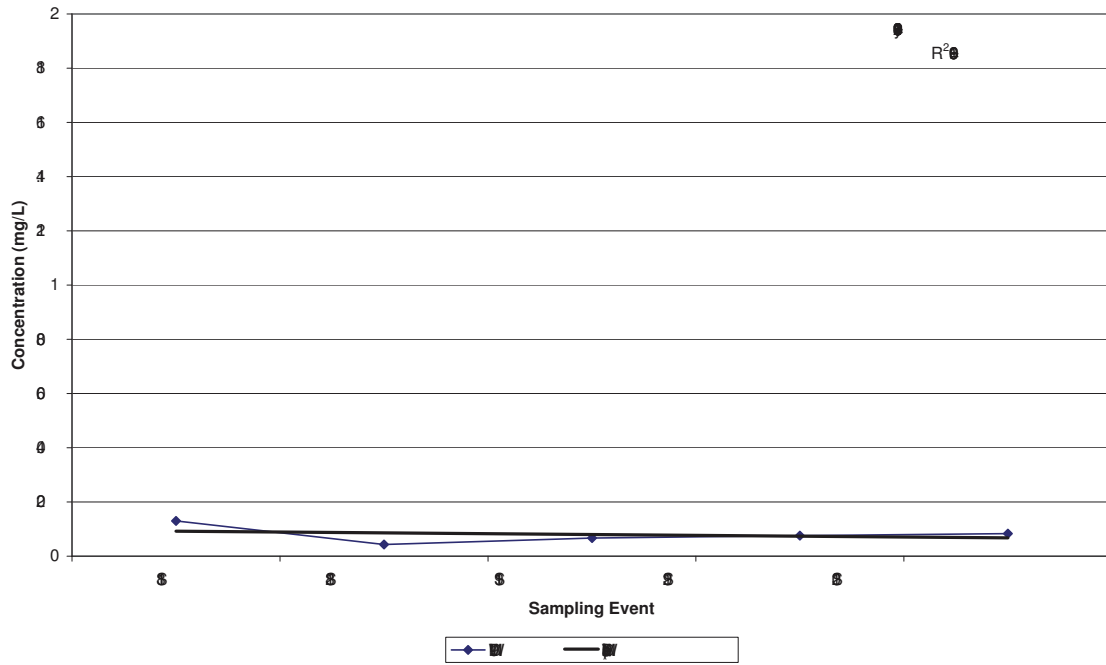
Citrus County Central Landfill  
Historic Ammonia as N in MW-17



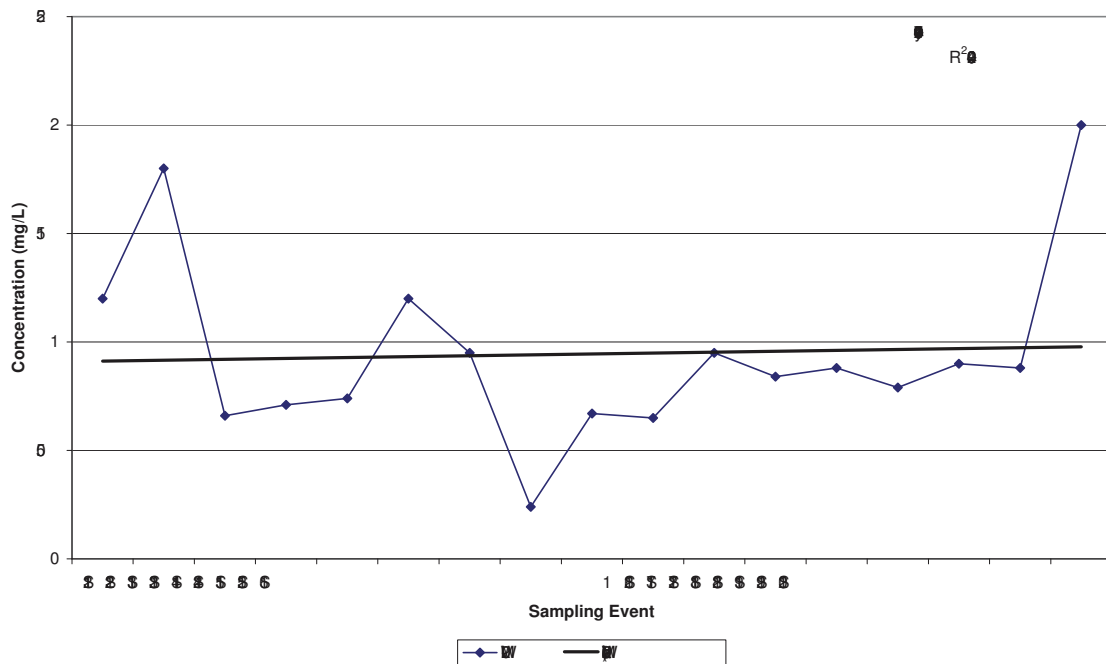
Citrus County Central Landfill  
Historic Ammonia in MW-19



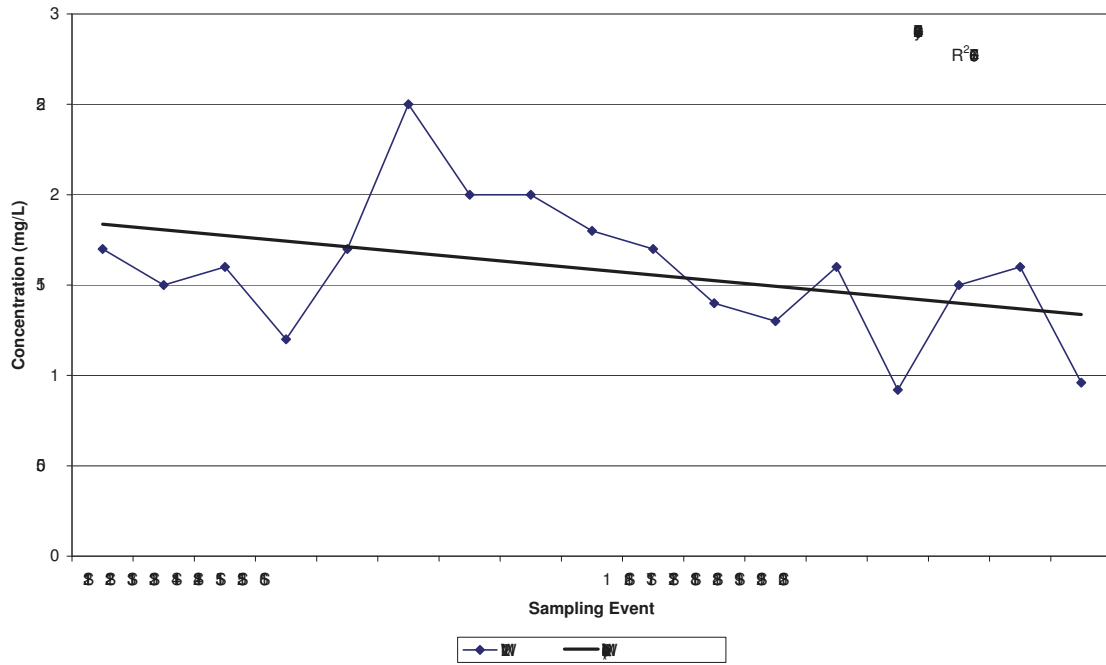
Citrus County Central Landfill  
 Historic Ammonia as N in MW-19D



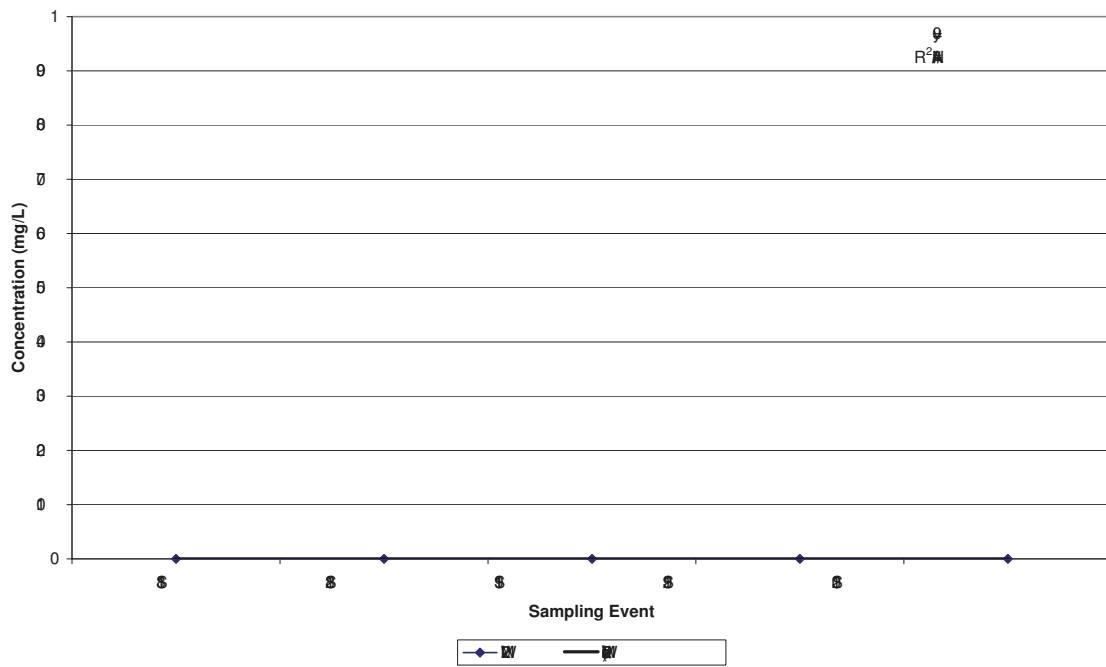
Citrus County Central Landfill  
 Historic Ammonia (N) in MW-20



Citrus County Central Landfill  
 Historic Ammonia (N) in MW-21

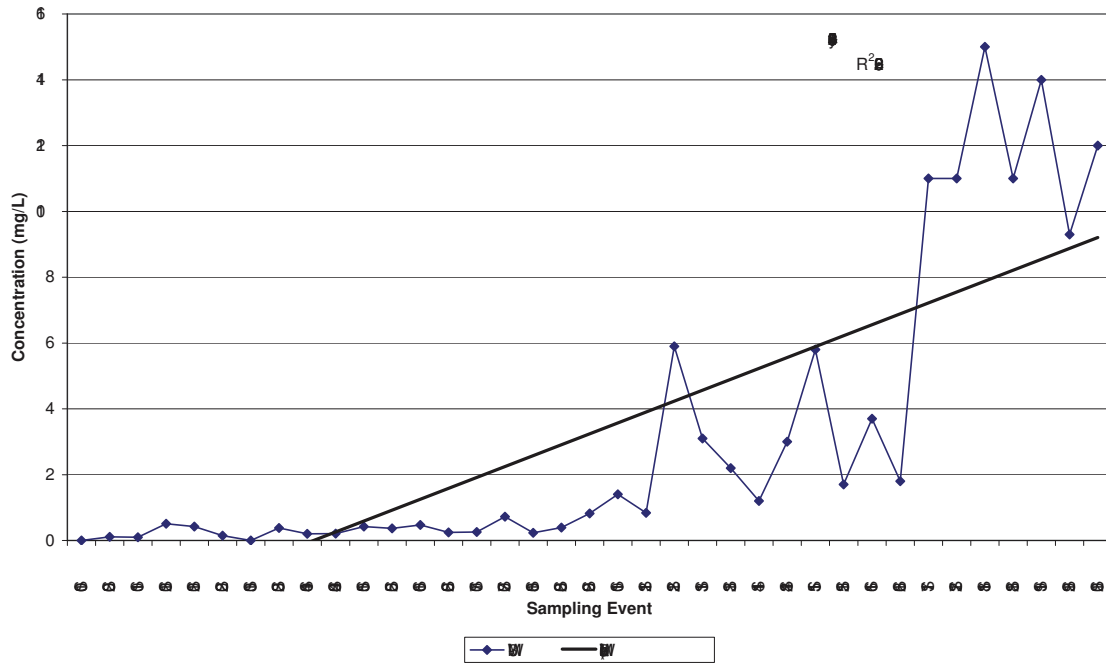


Citrus County Central Landfill  
 Historic Ammonia as N in MW-22

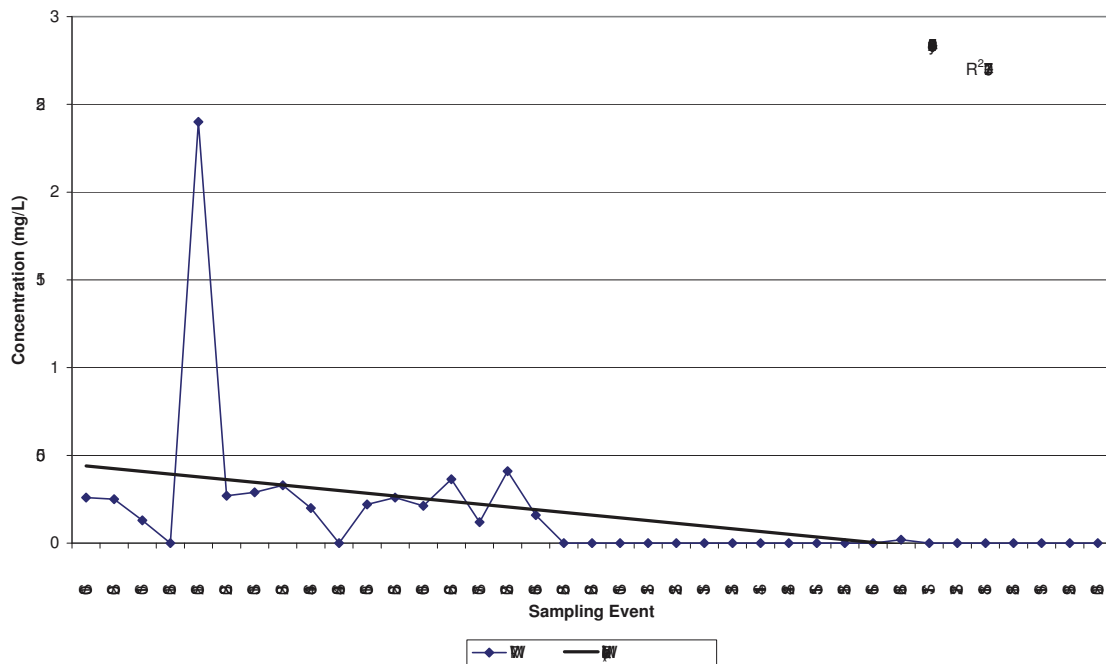


**Citrus County Central Landfill  
Historical Nitrate-Nitrogen Data**

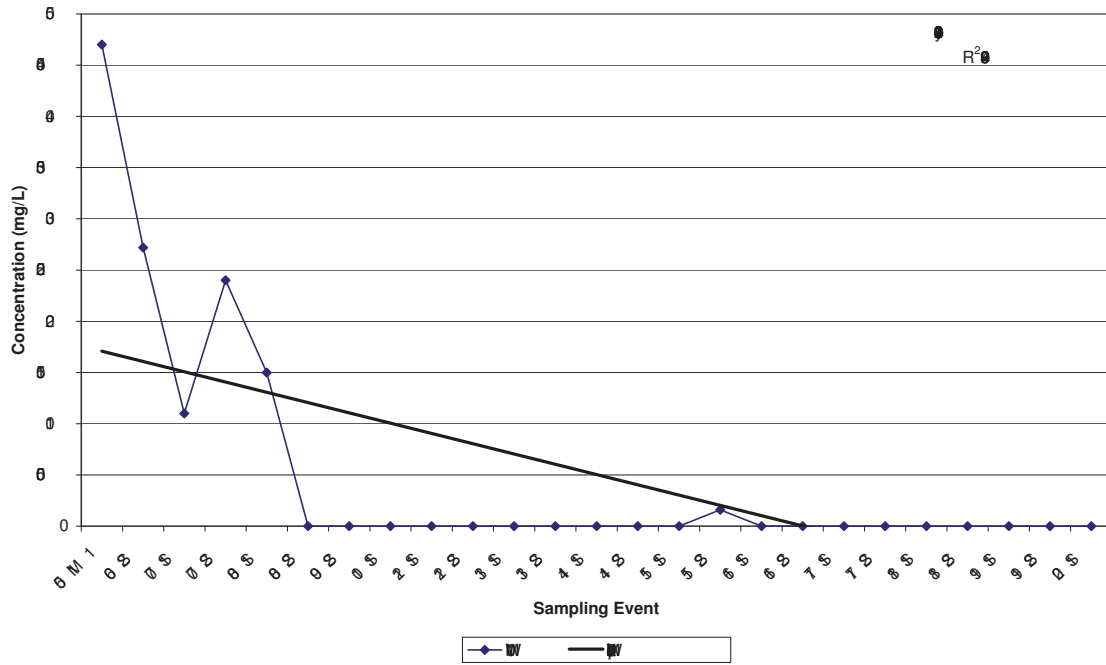
Citrus County Central Landfill  
Historic Nitrate as N in MW-3



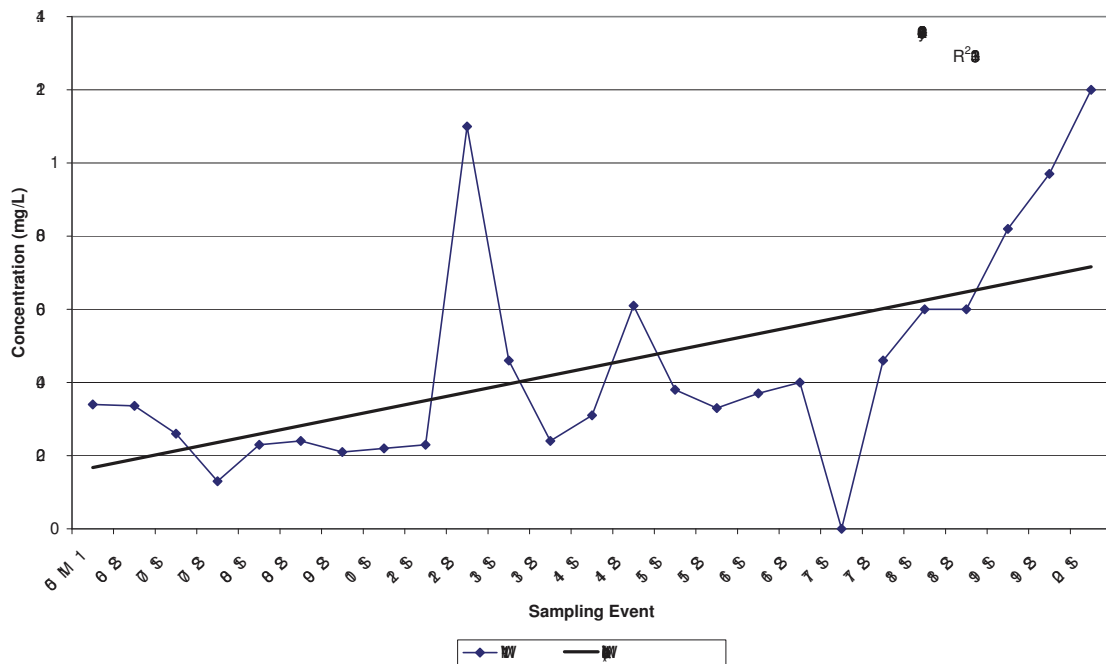
Citrus County Central Landfill  
Historic Nitrate as N in MW-7



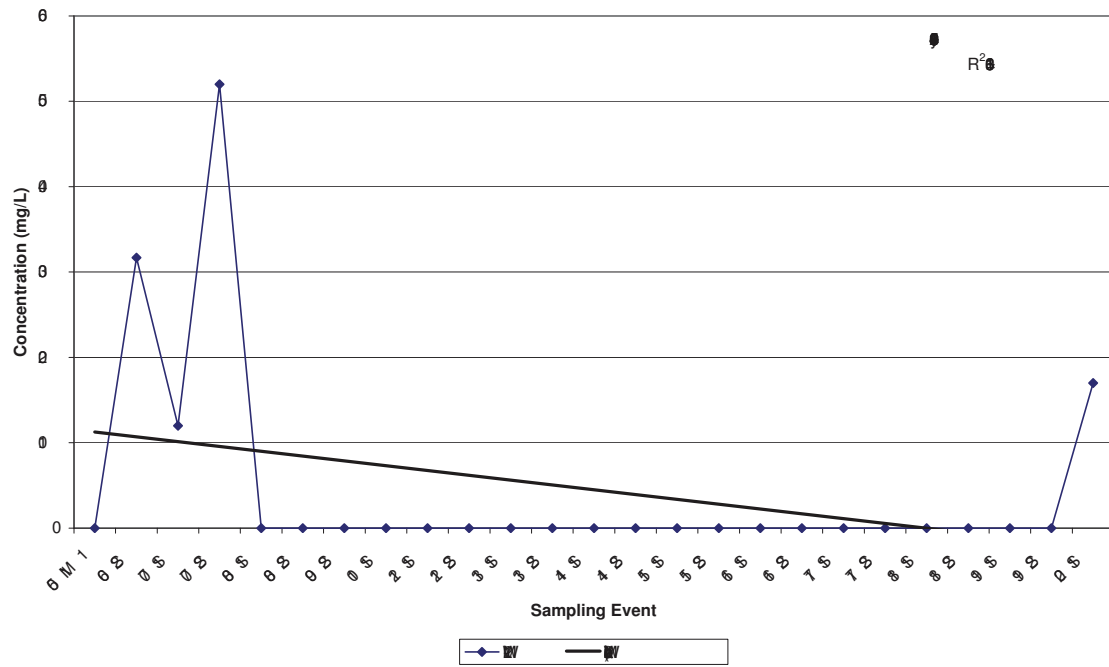
Citrus County Central Landfill  
Historic Nitrate as N in MW-10



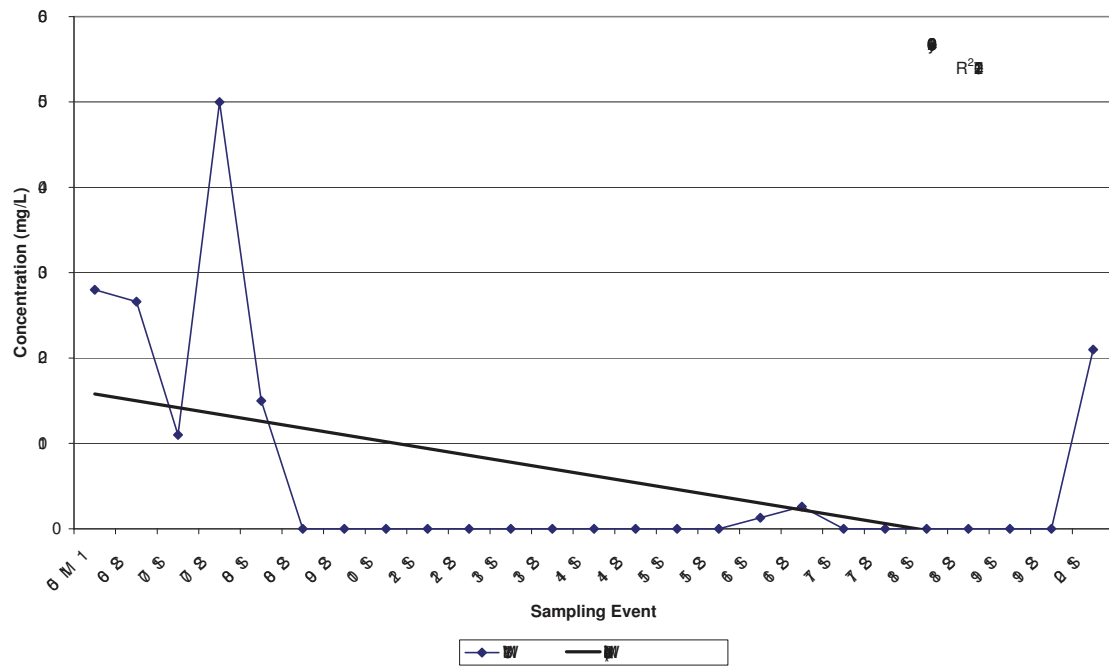
Citrus County Central Landfill  
Historic Nitrate as N in MW-11



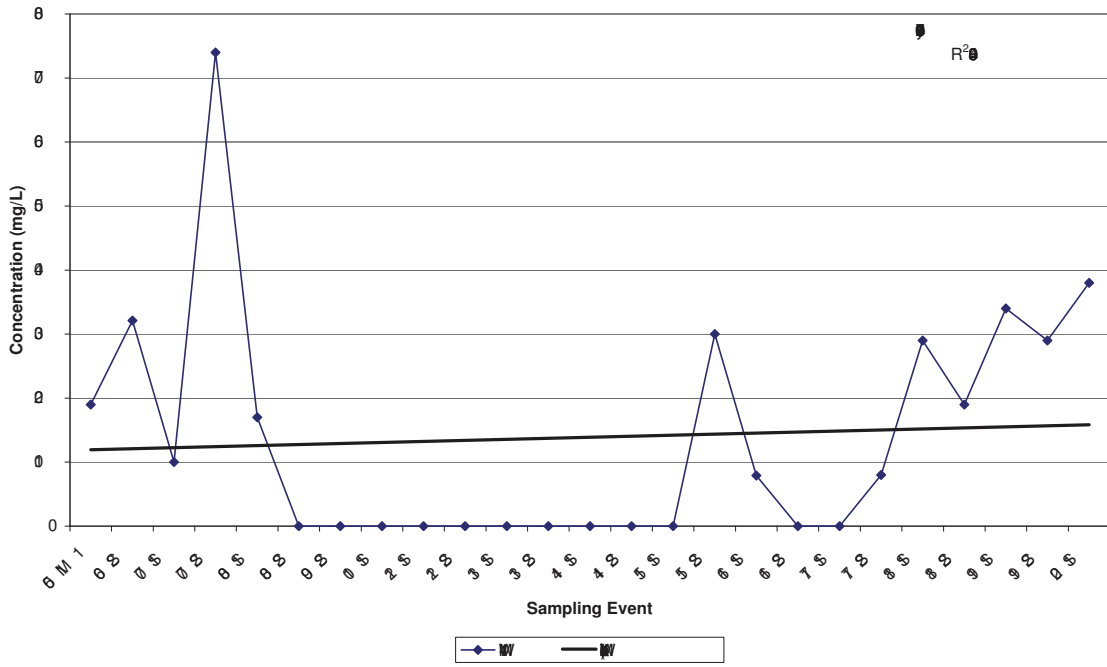
Citrus County Central Landfill  
Historic Nitrate as N in MW-12



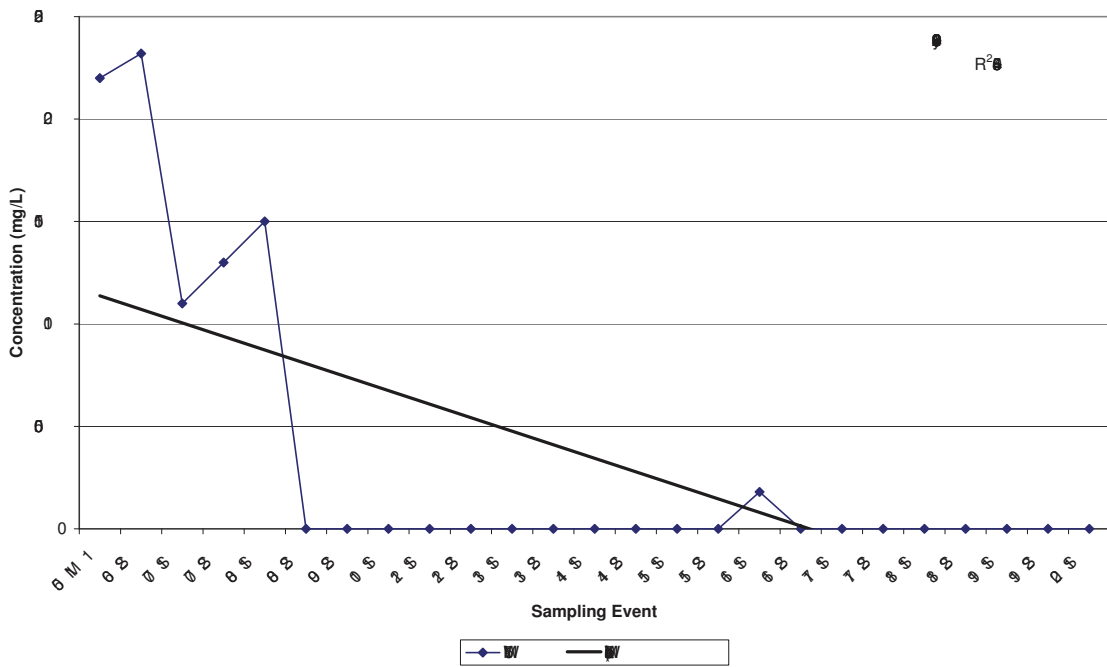
Citrus County Central Landfill  
Historic Nitrate as N in MW-13



Citrus County Central Landfill  
Historic Nitrate as N in MW-14

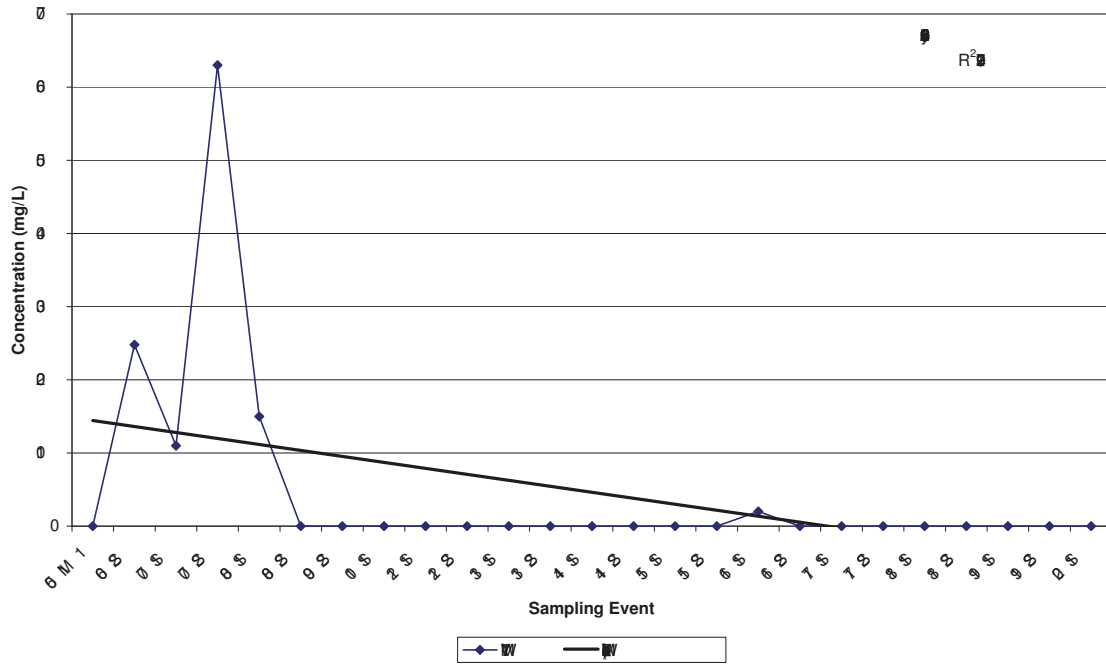


Citrus County Central Landfill  
Historic Nitrate as N in MW-15

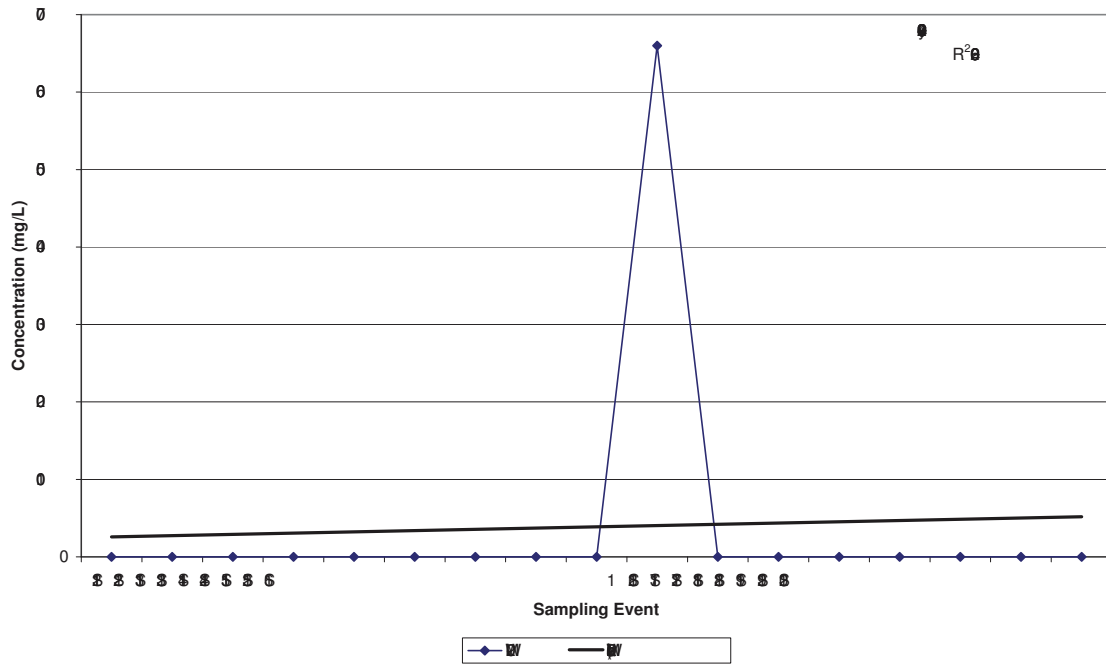




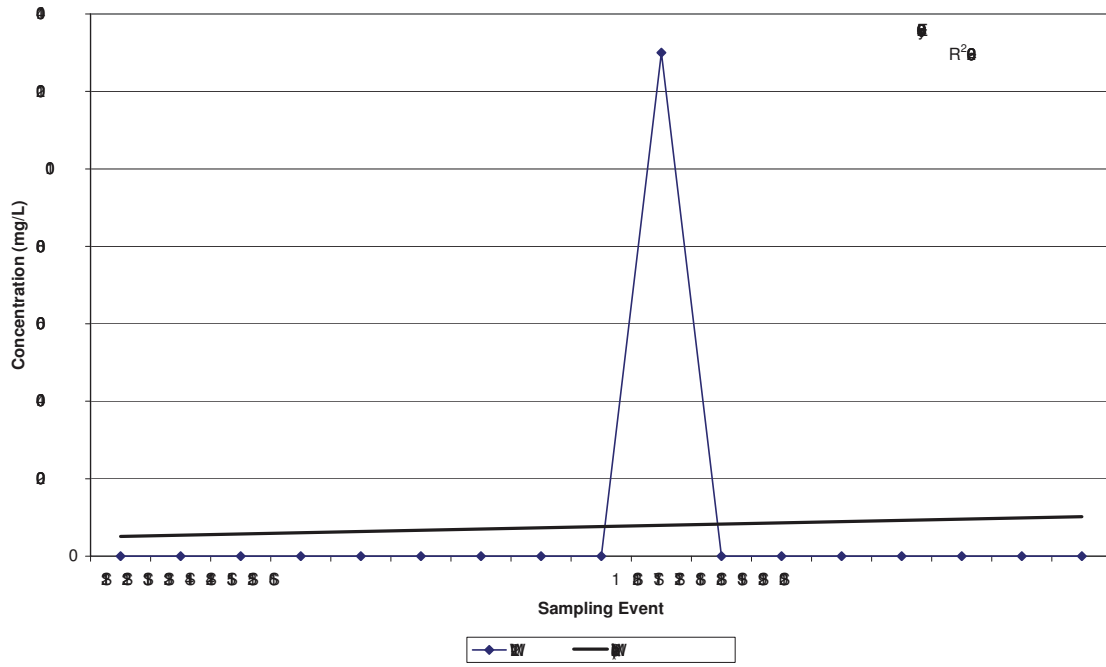
Citrus County Central Landfill  
Historic Nitrate as N in MW-17



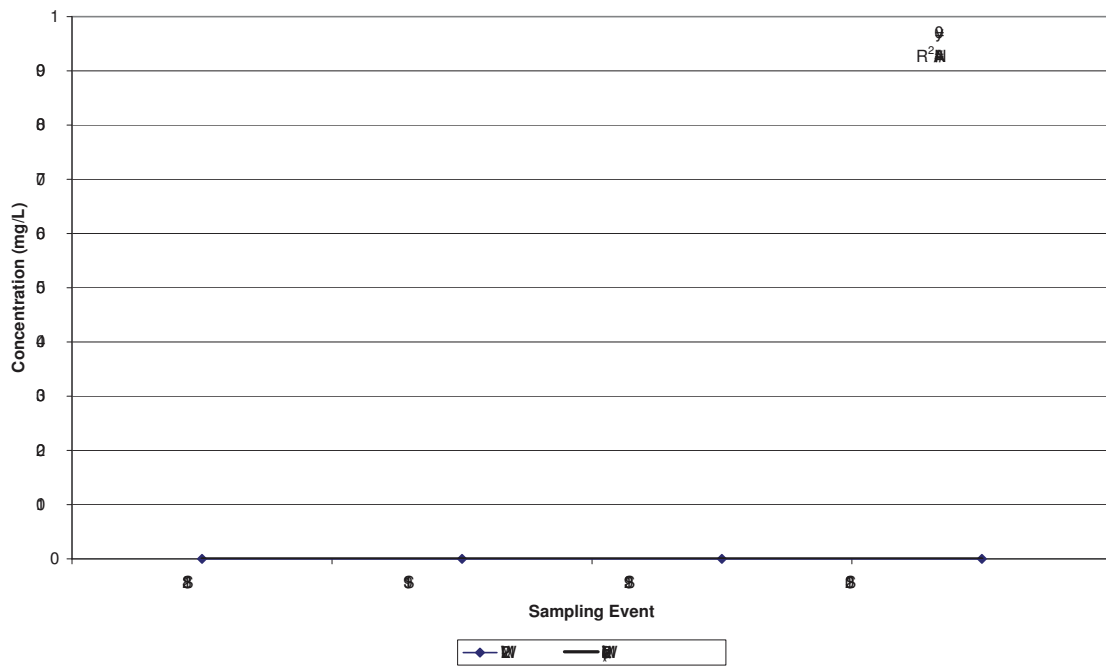
Citrus County Central Landfill  
Historic Nitrate (N) in MW-20



Citrus County Central Landfill  
Historic Nitrate (N) in MW-21

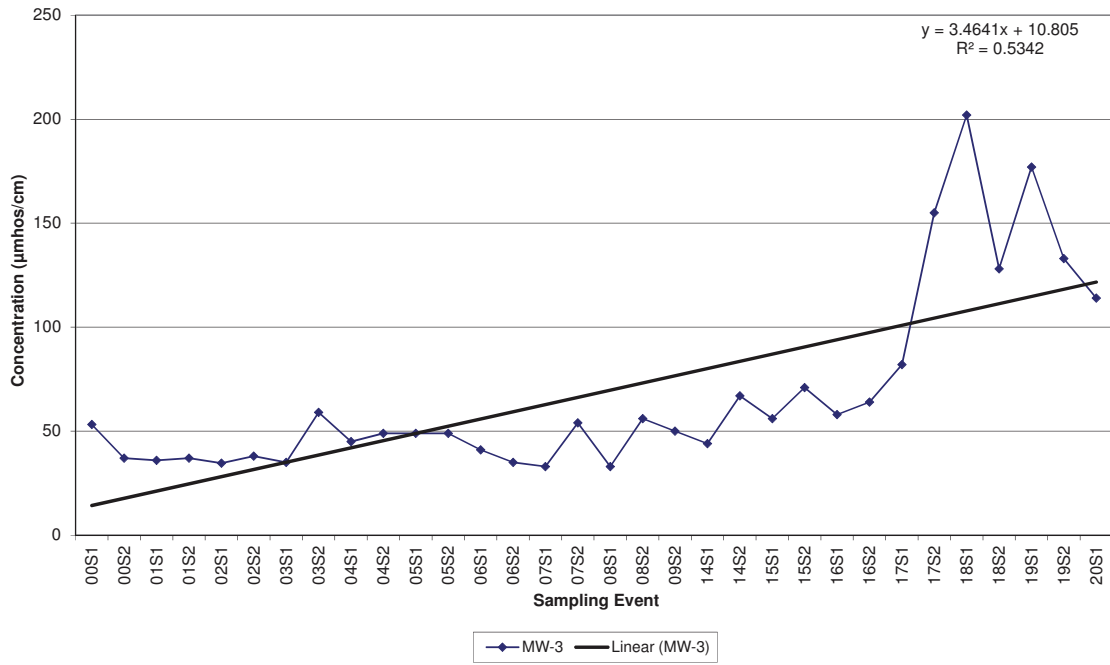


Citrus County Central Landfill  
Historic Nitrate as N in MW-22

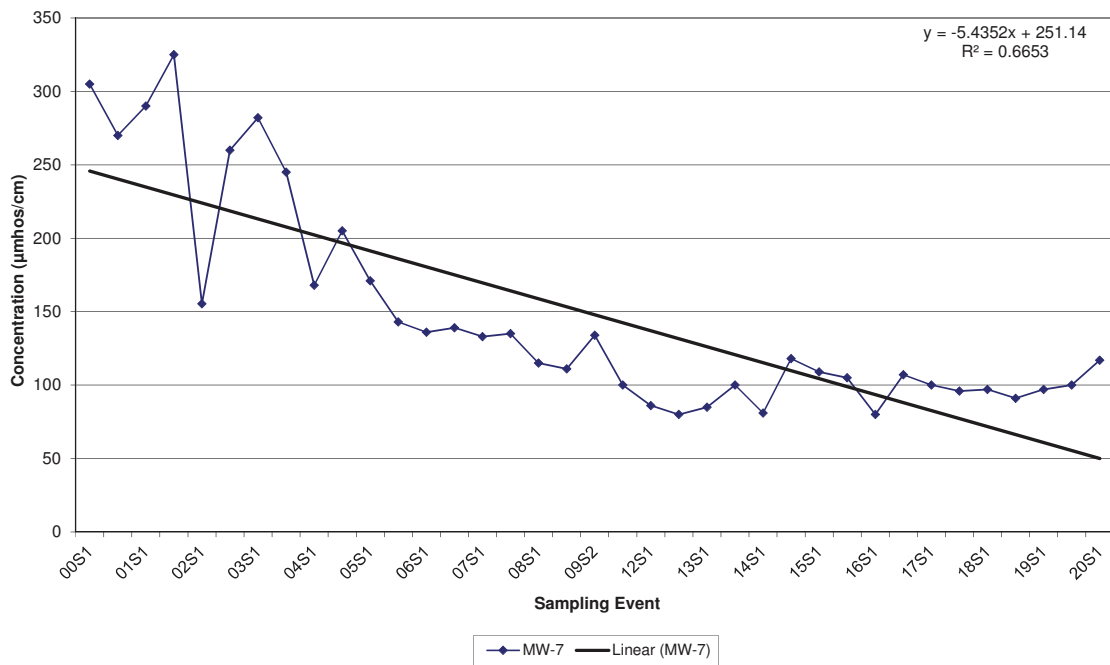


**Citrus County Central Landfill  
Historical Conductivity Data**

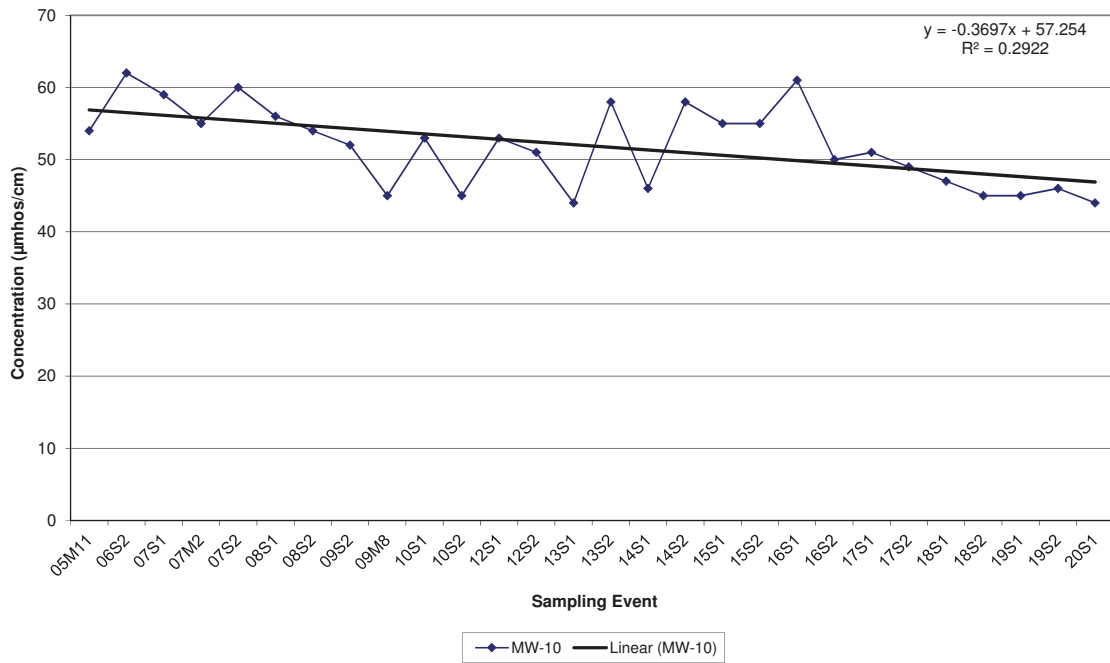
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-3**



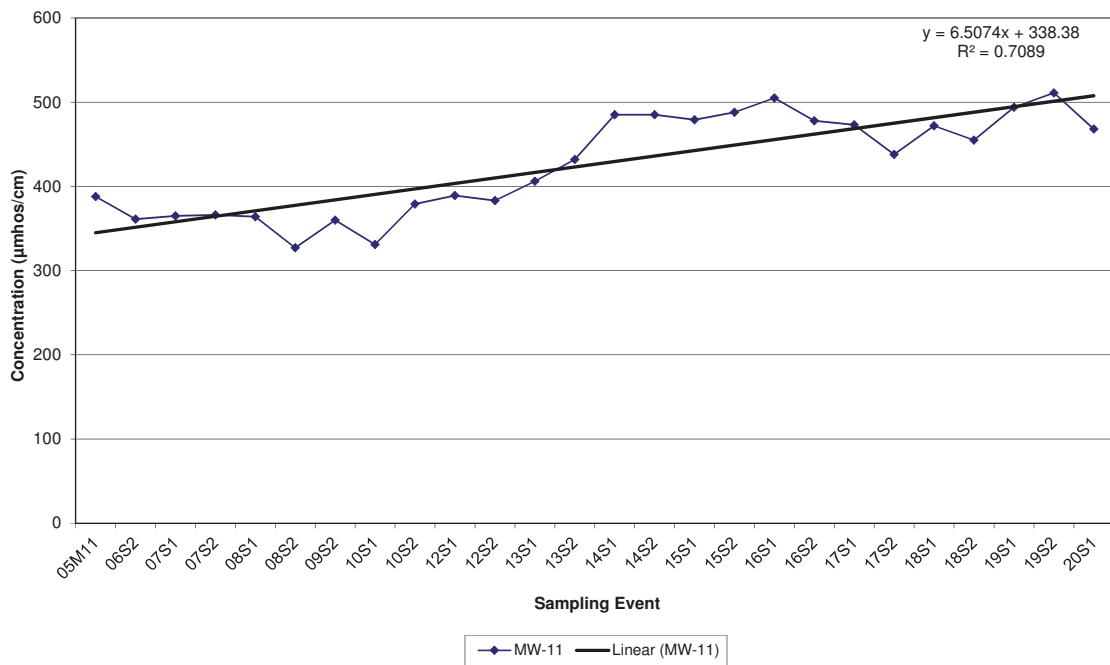
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-7**



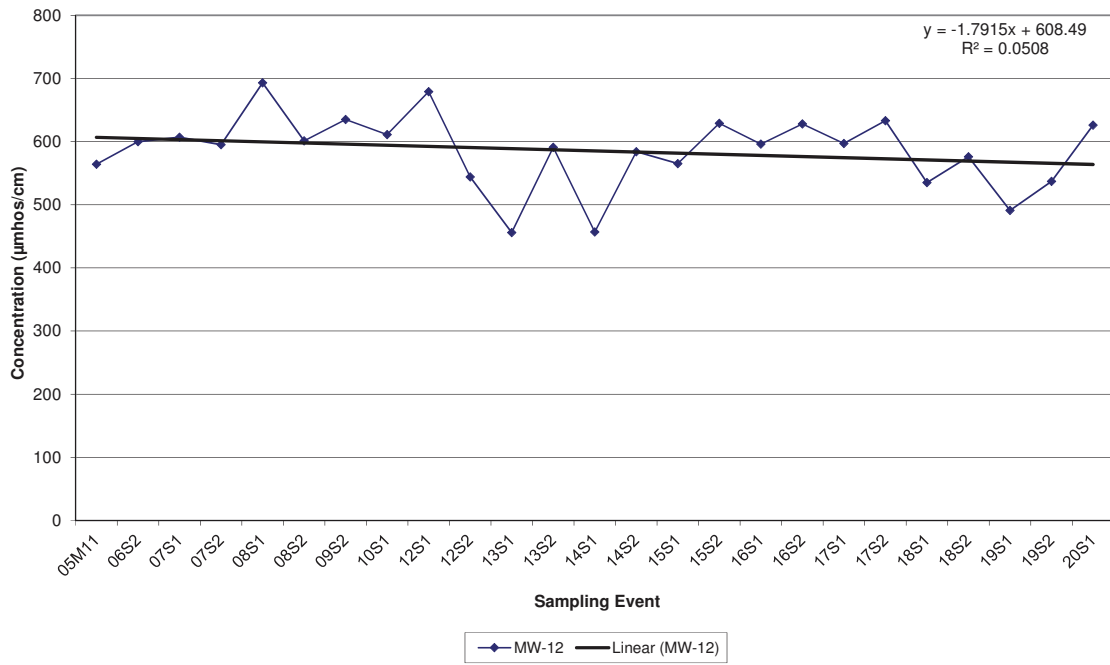
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-10**



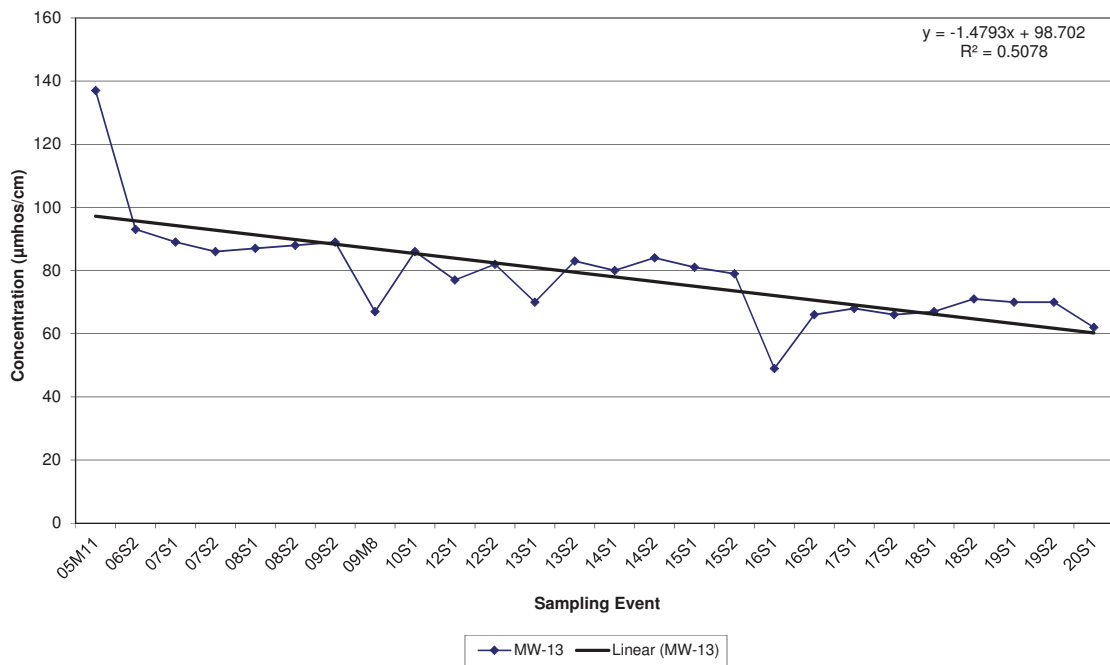
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-11**



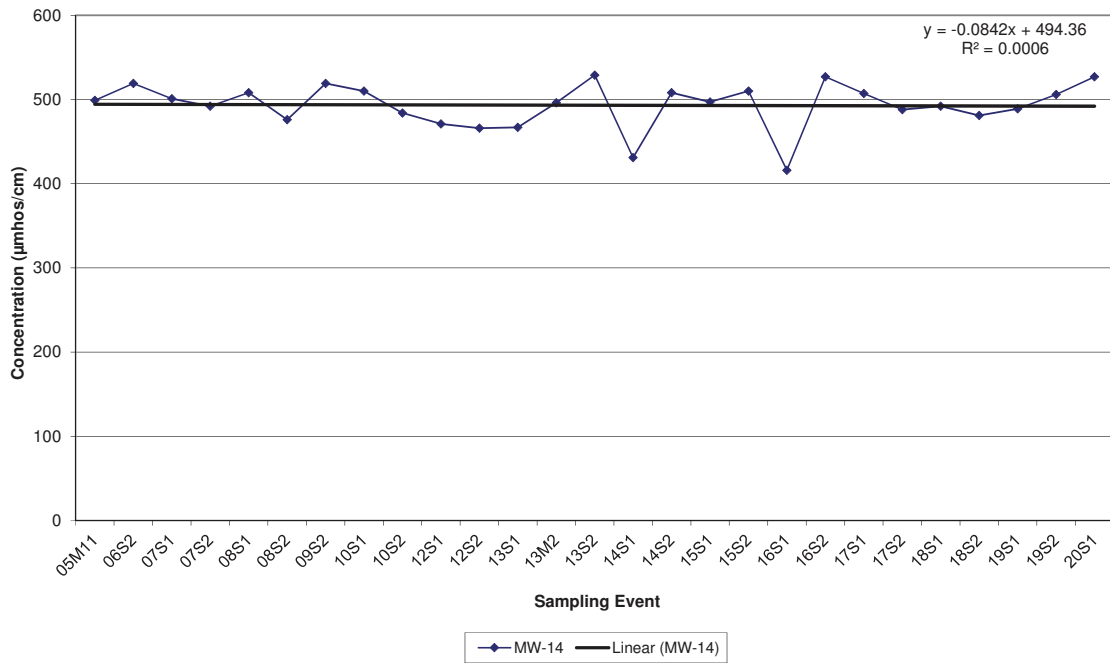
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-12**



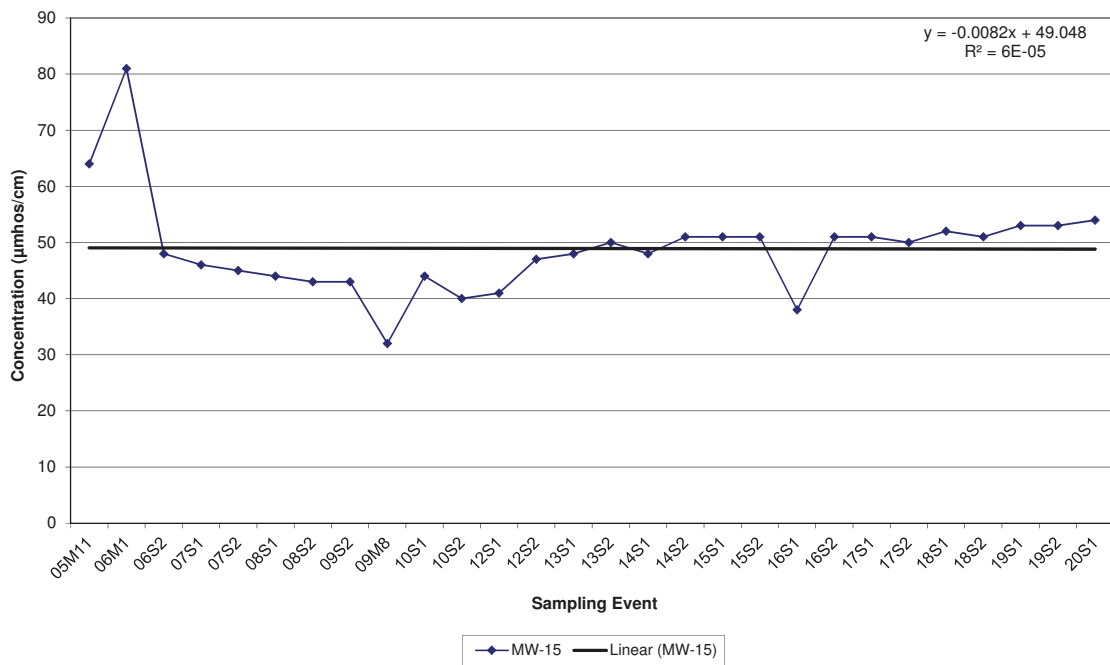
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-13**



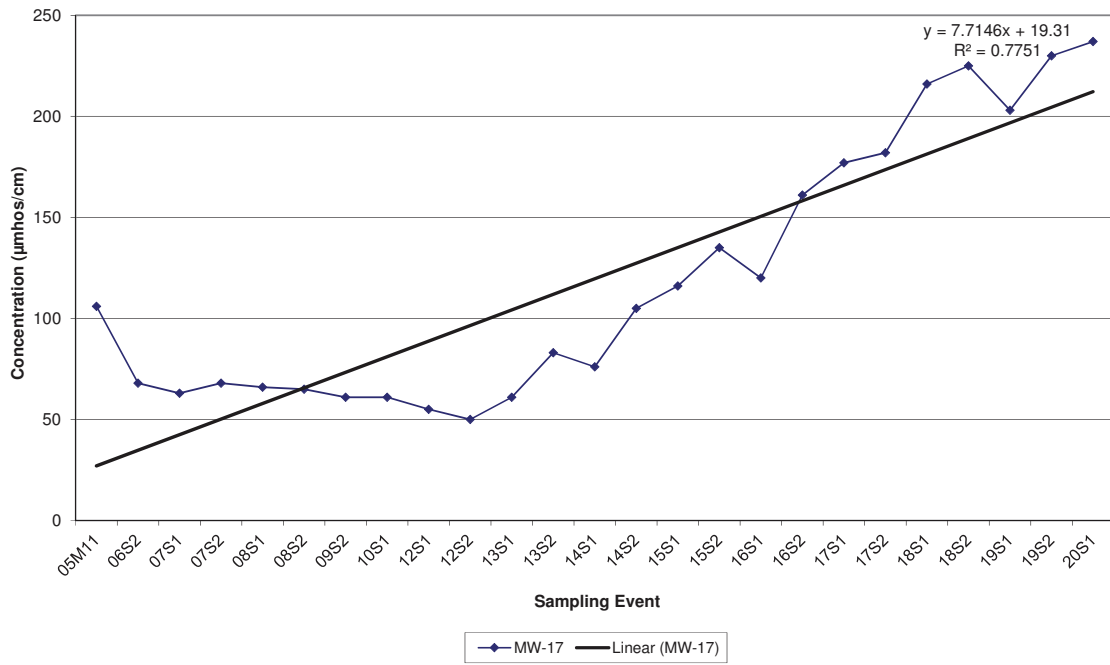
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-14**



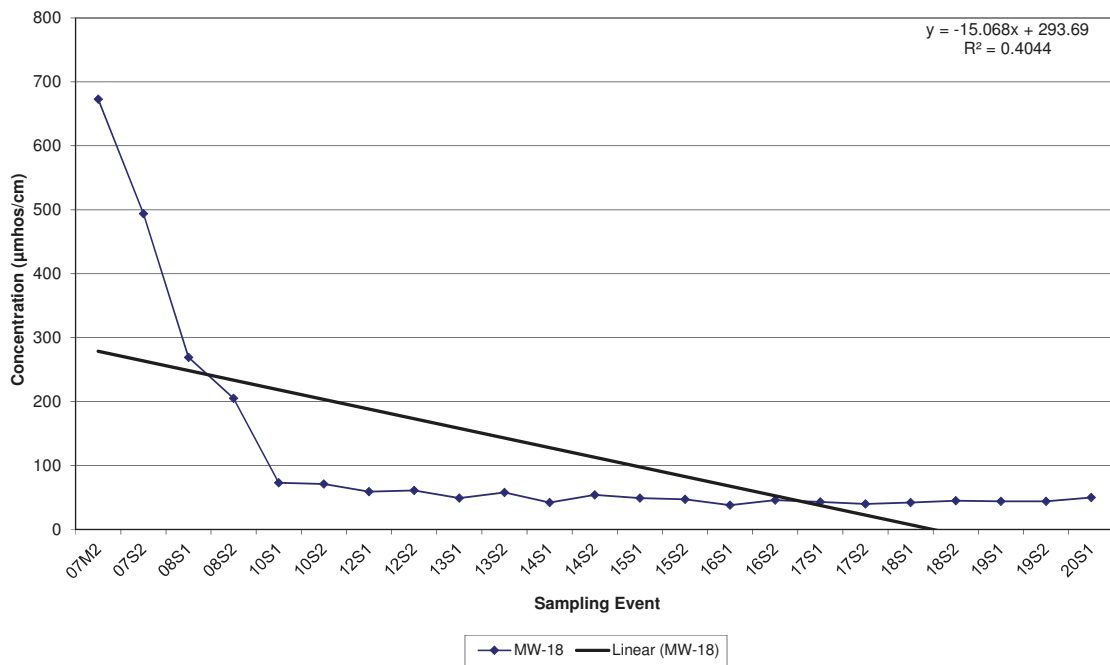
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-15**



**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-17**

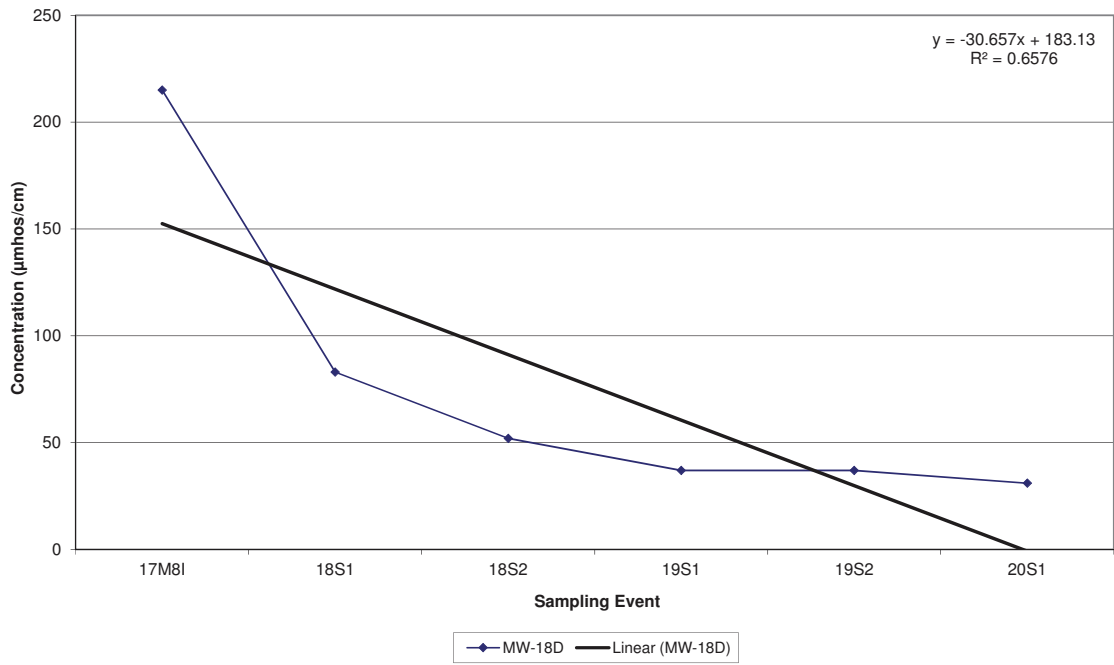


**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-18**

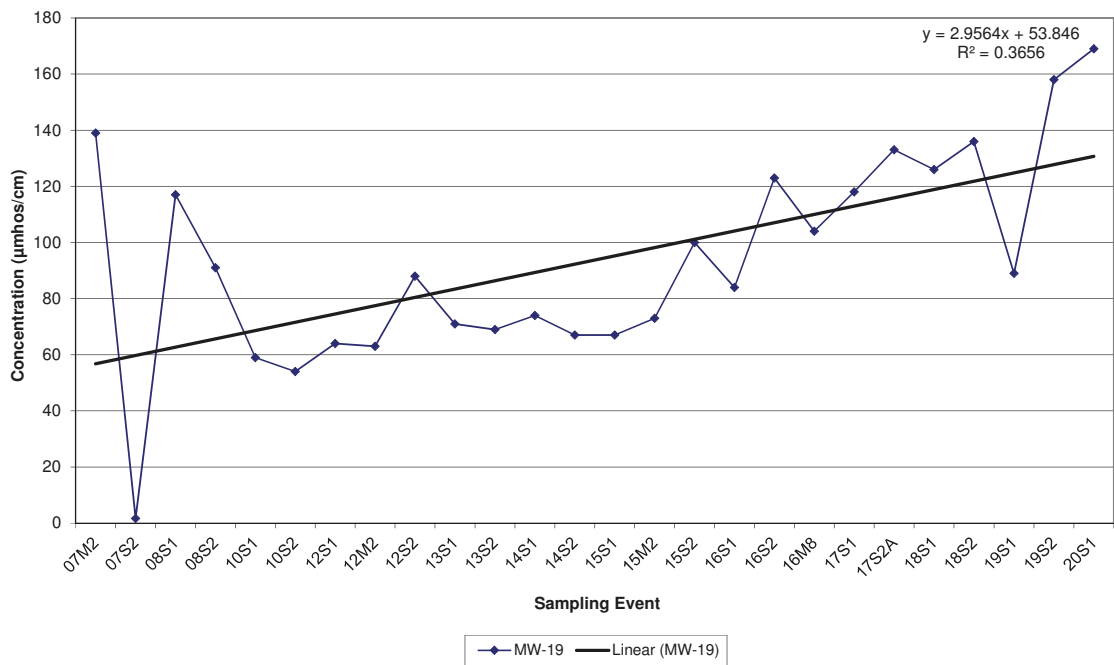




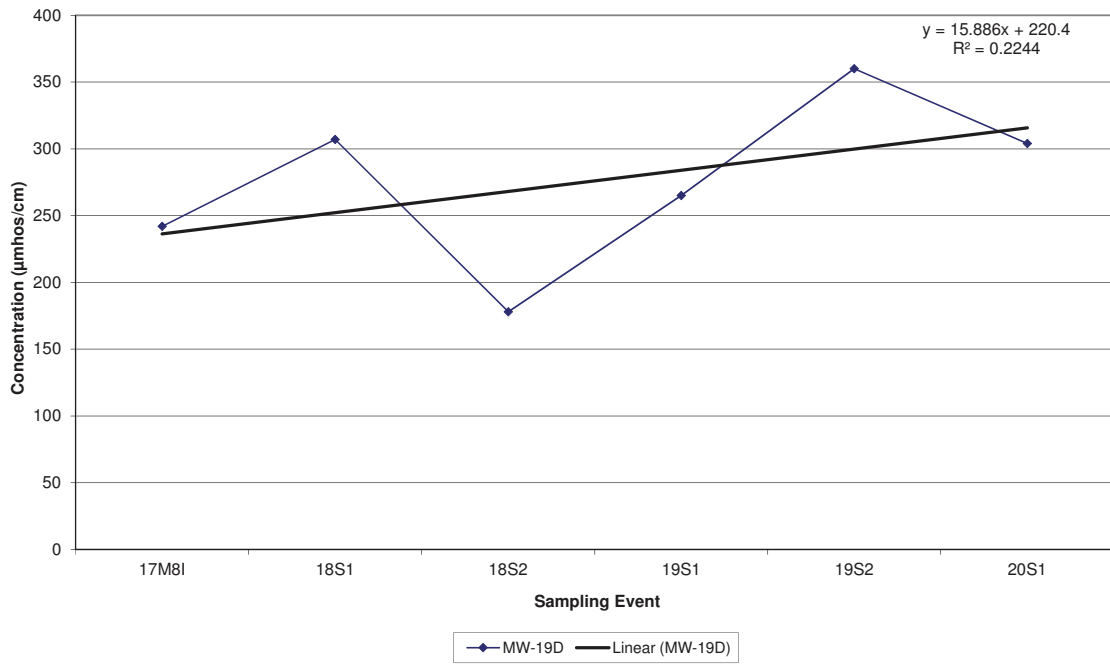
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-18D**



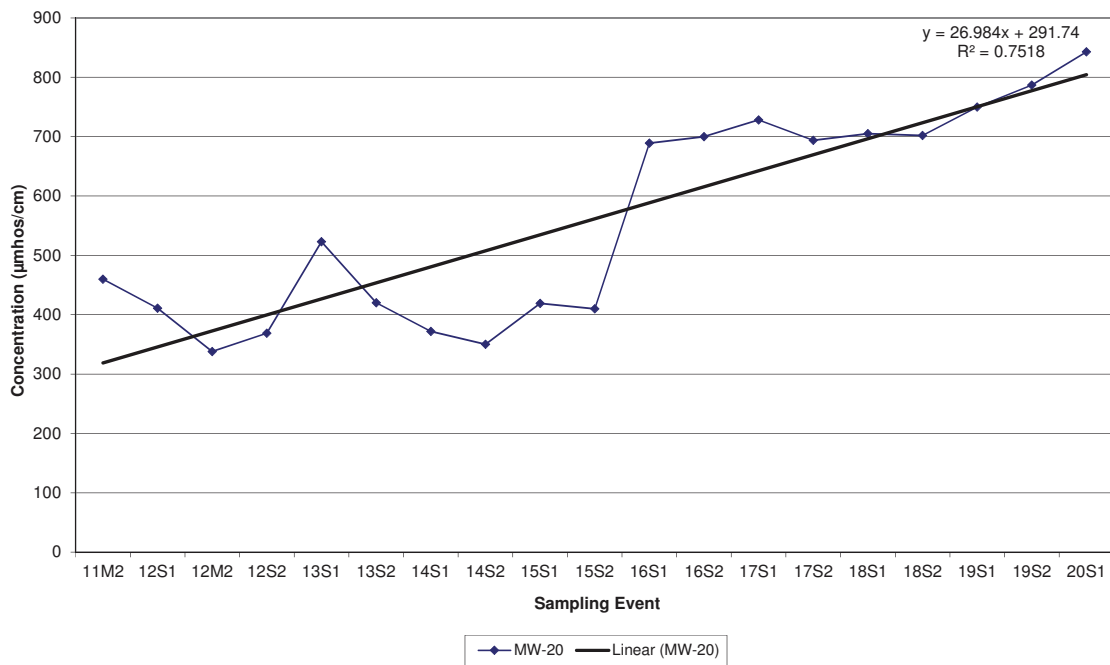
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-19**



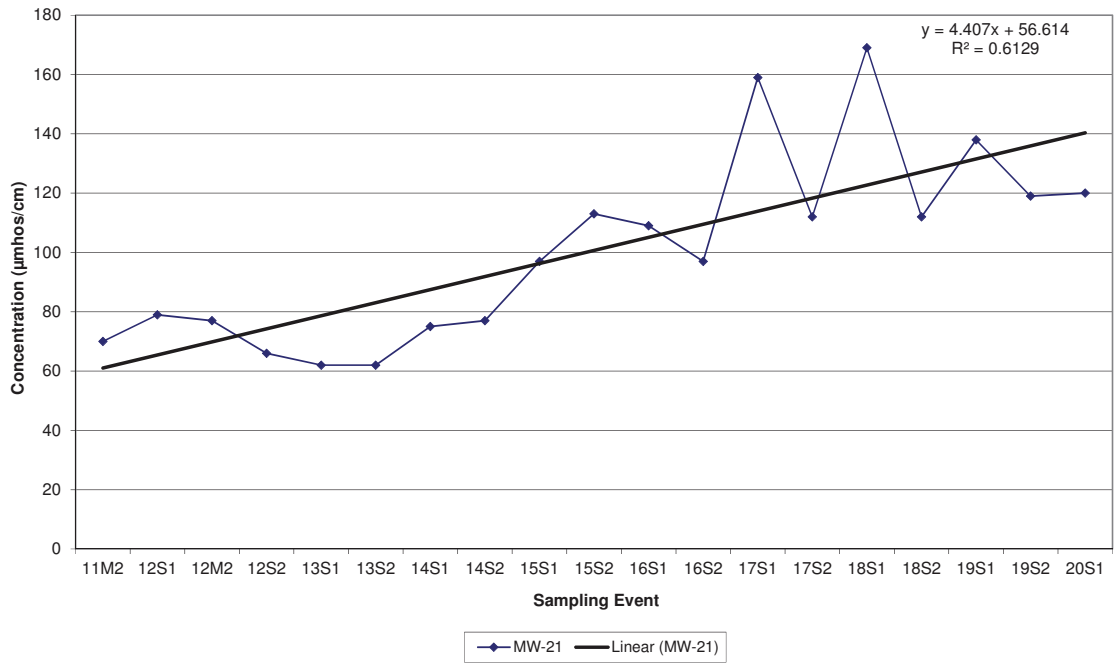
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-19D**



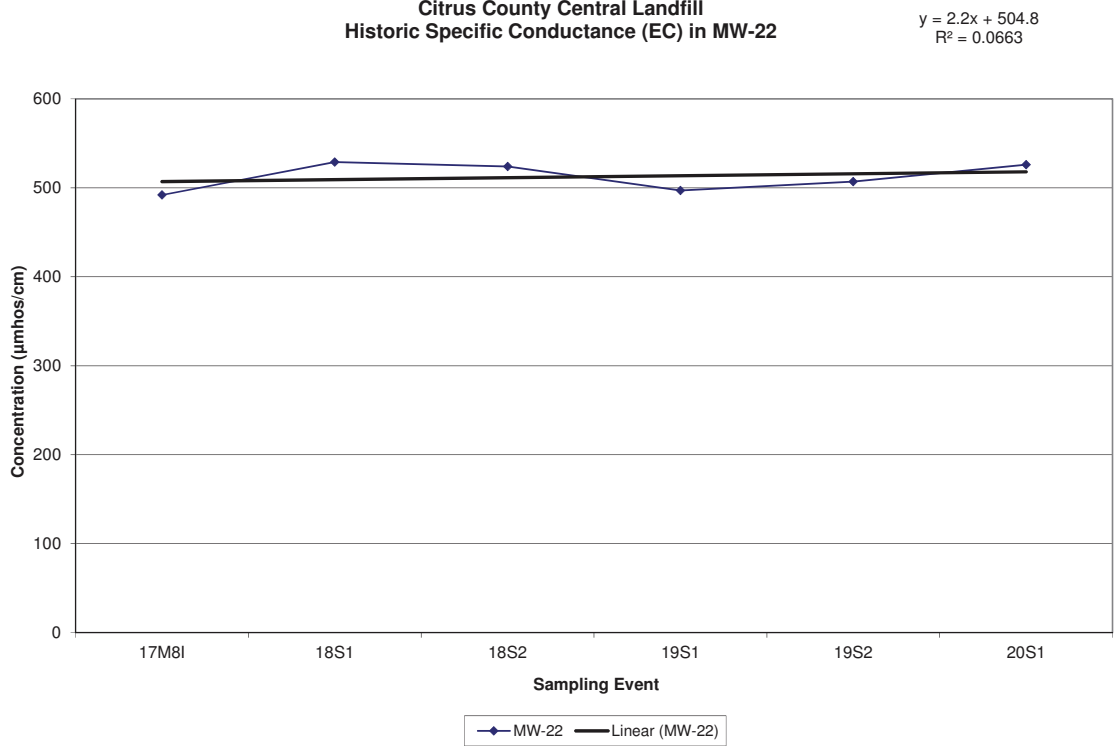
**Citrus County Central Landfill  
Historic Specific Conductance in MW-20**



**Citrus County Central Landfill  
Historic Specific Conductance in MW-21**

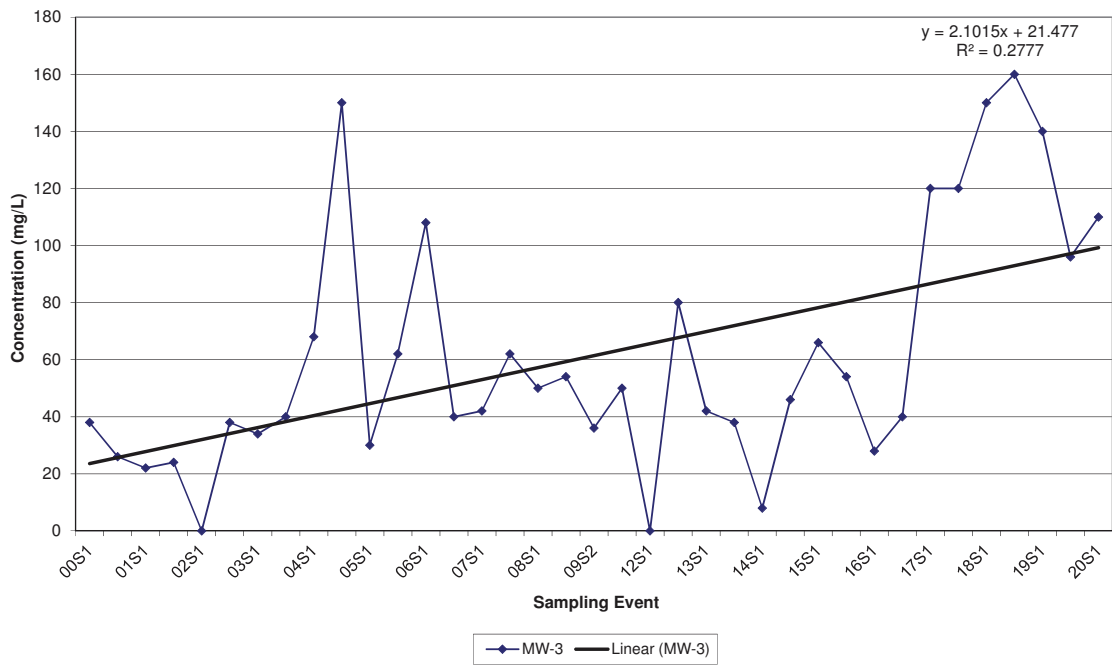


**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-22**

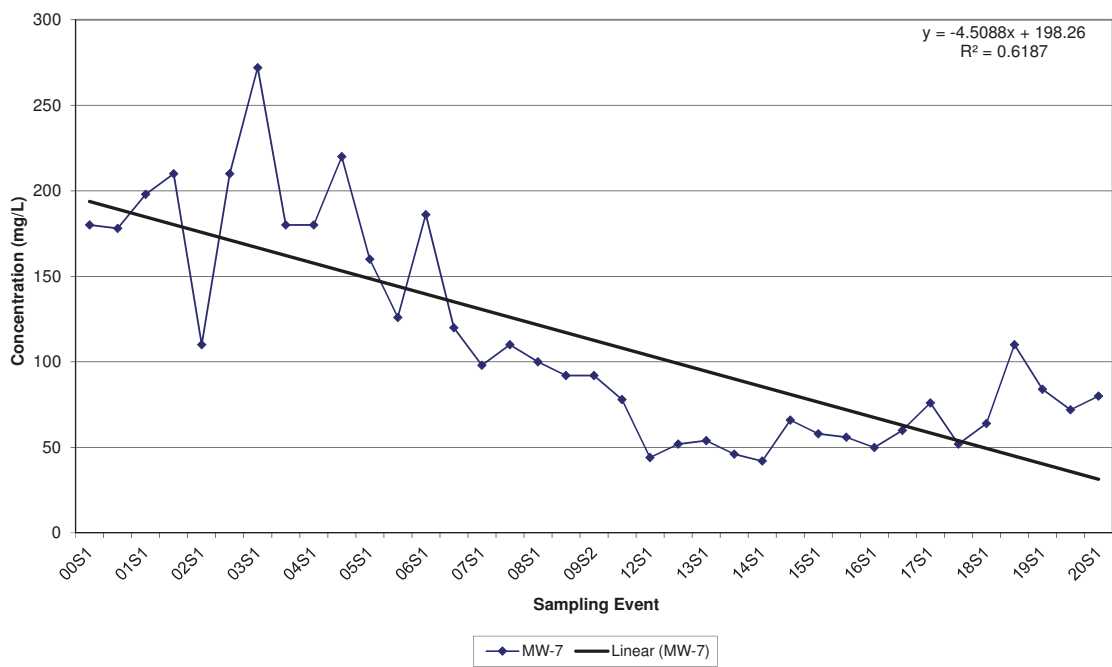


**Citrus County Central Landfill  
Historical Total Dissolved Solids Data**

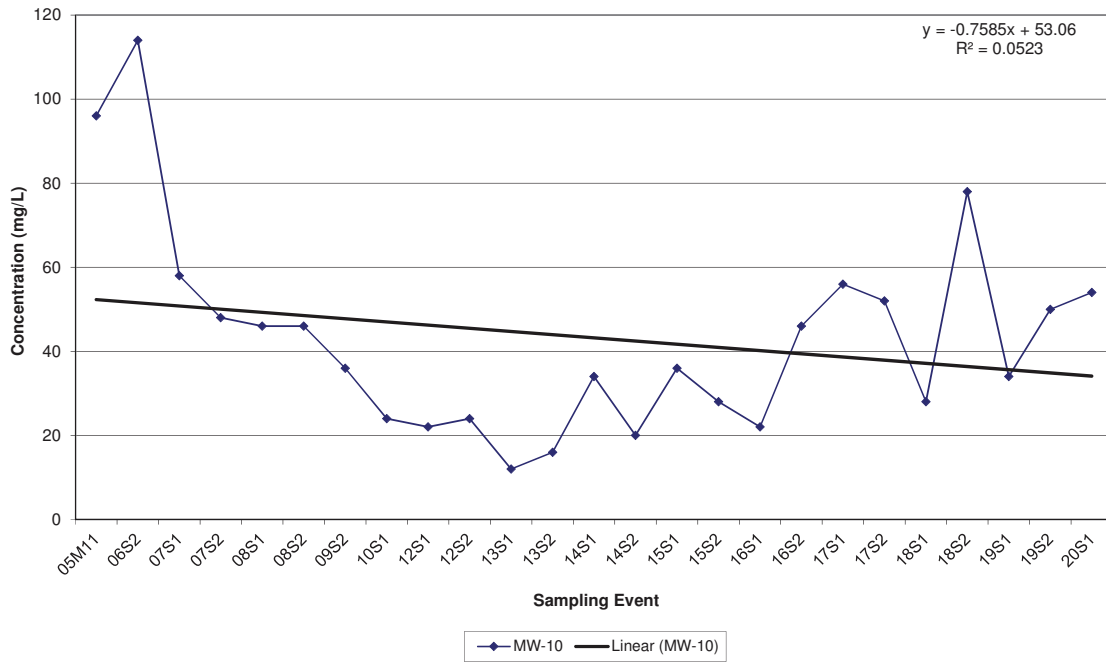
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-3**



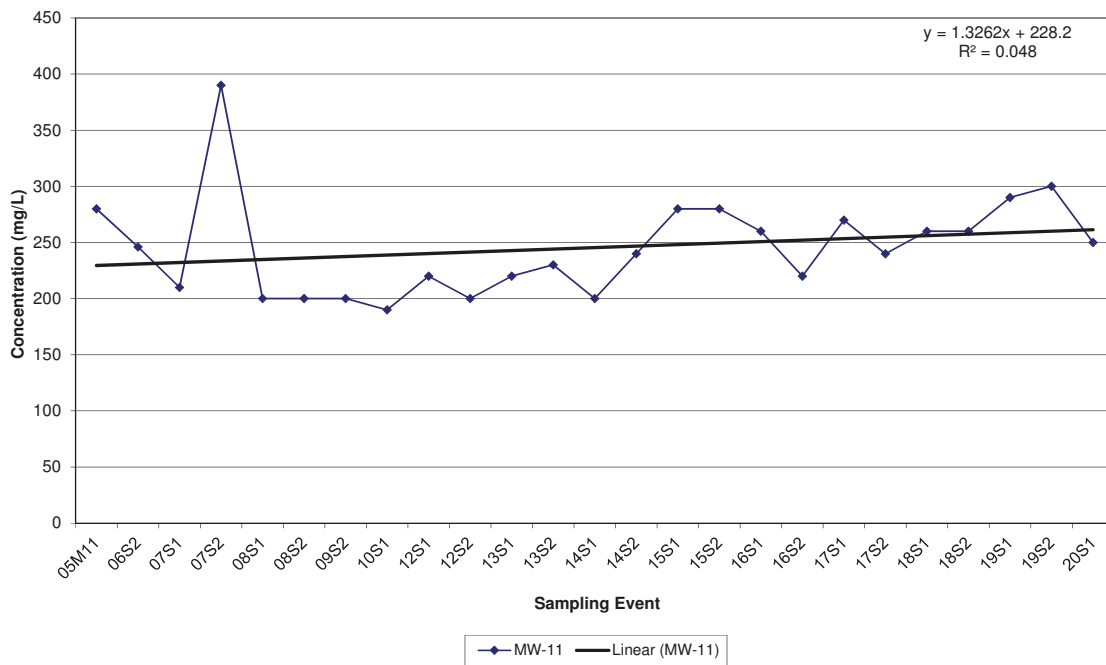
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-7**



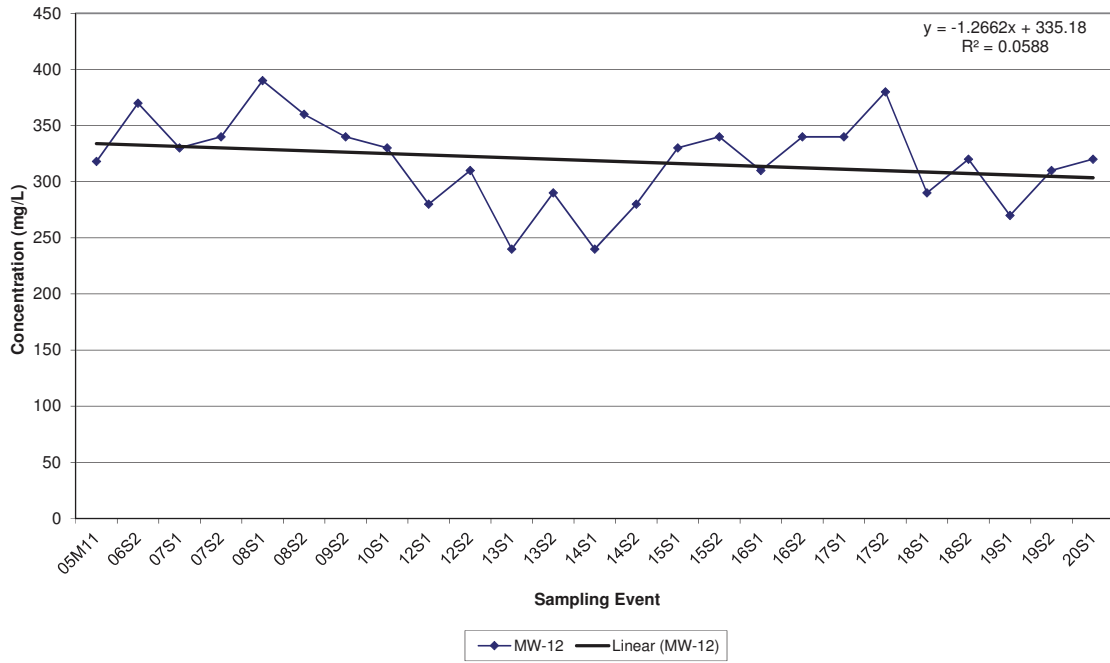
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-10**



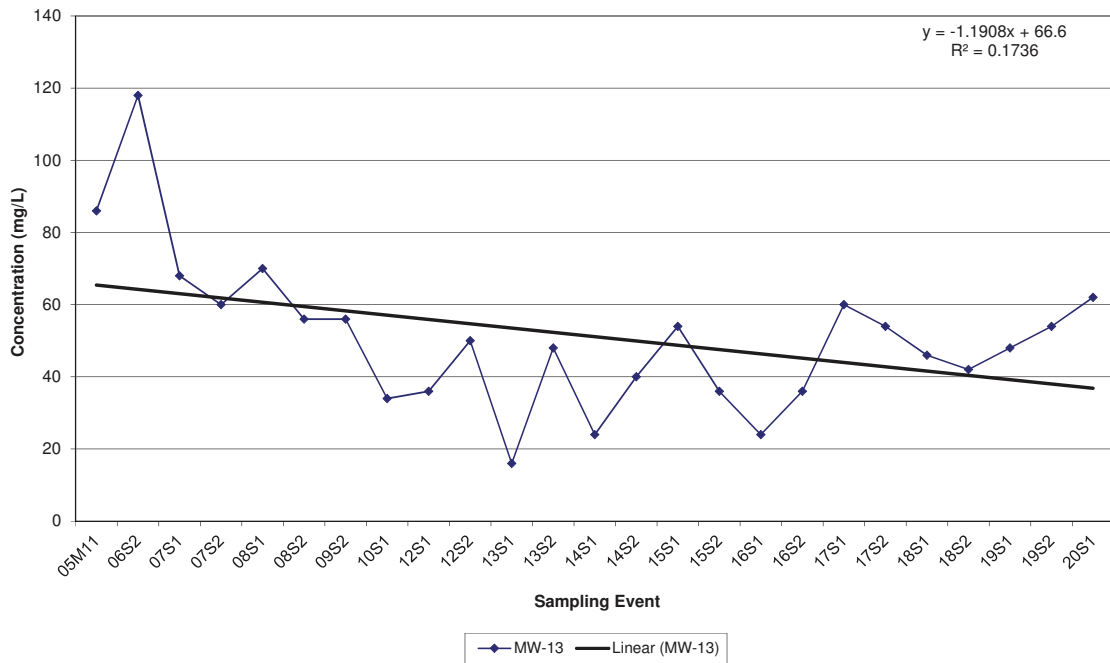
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-11**



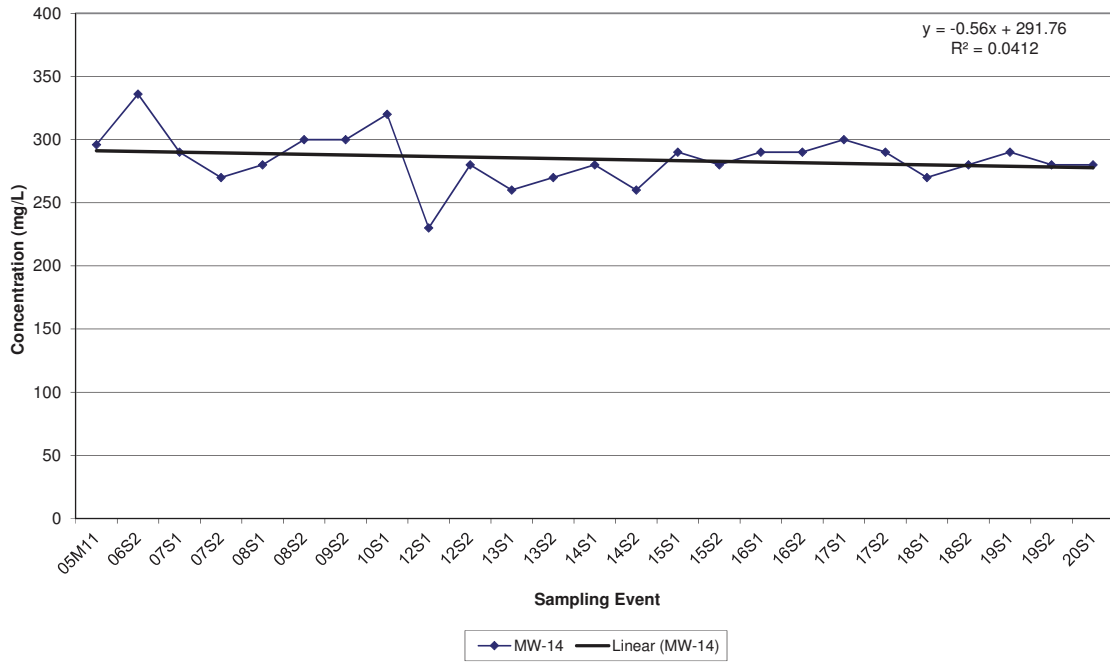
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-12**



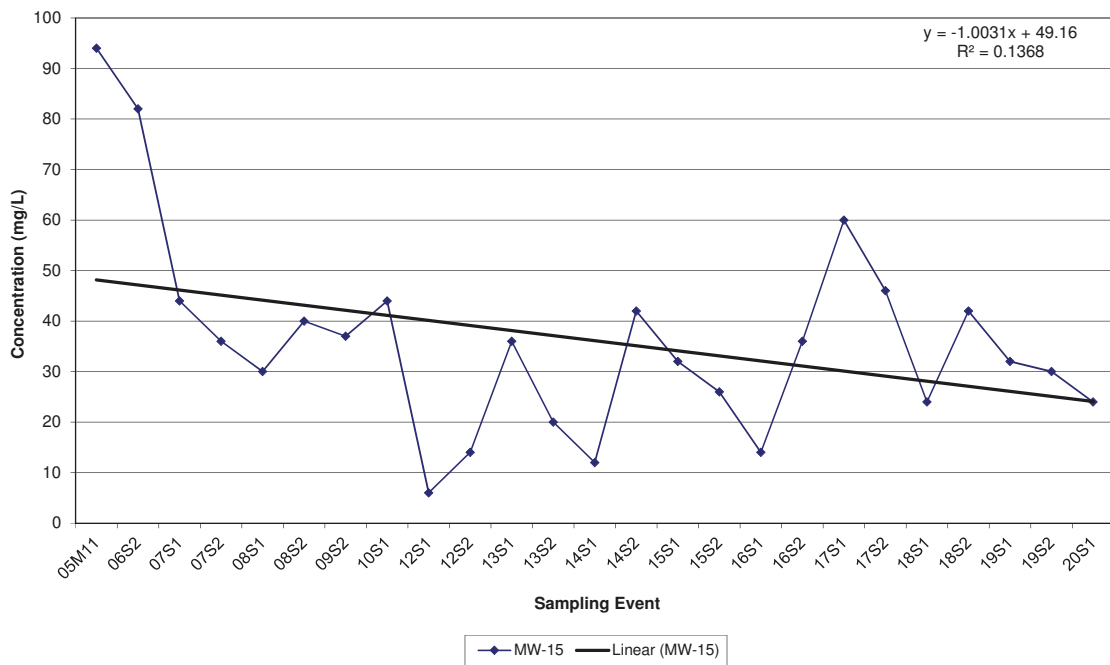
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-13**



**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-14**

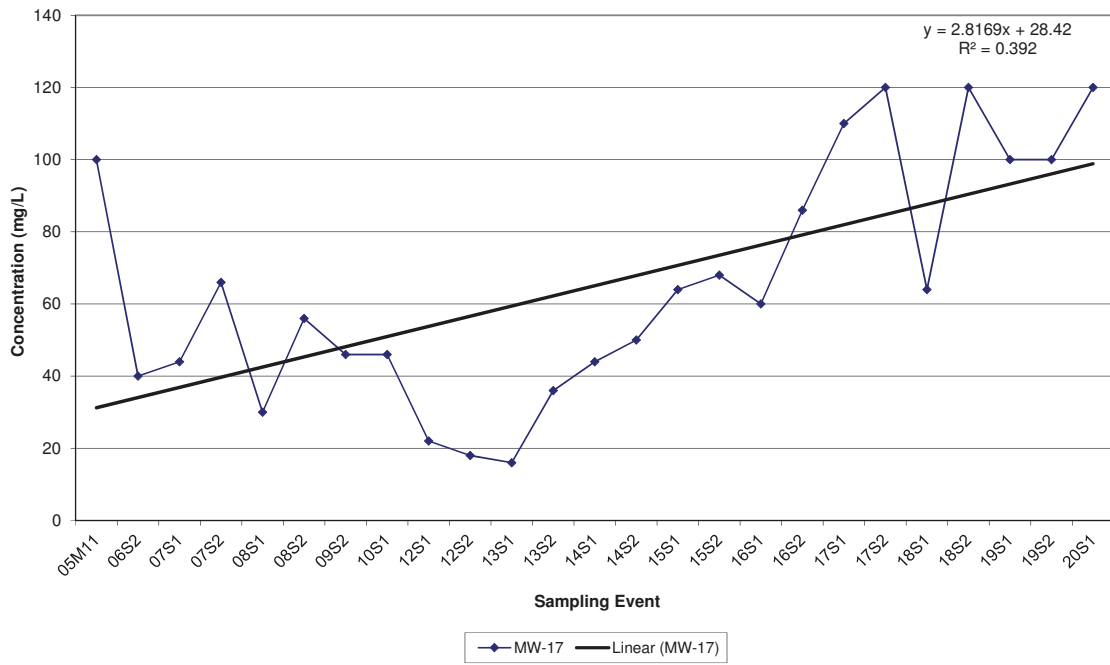


**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-15**

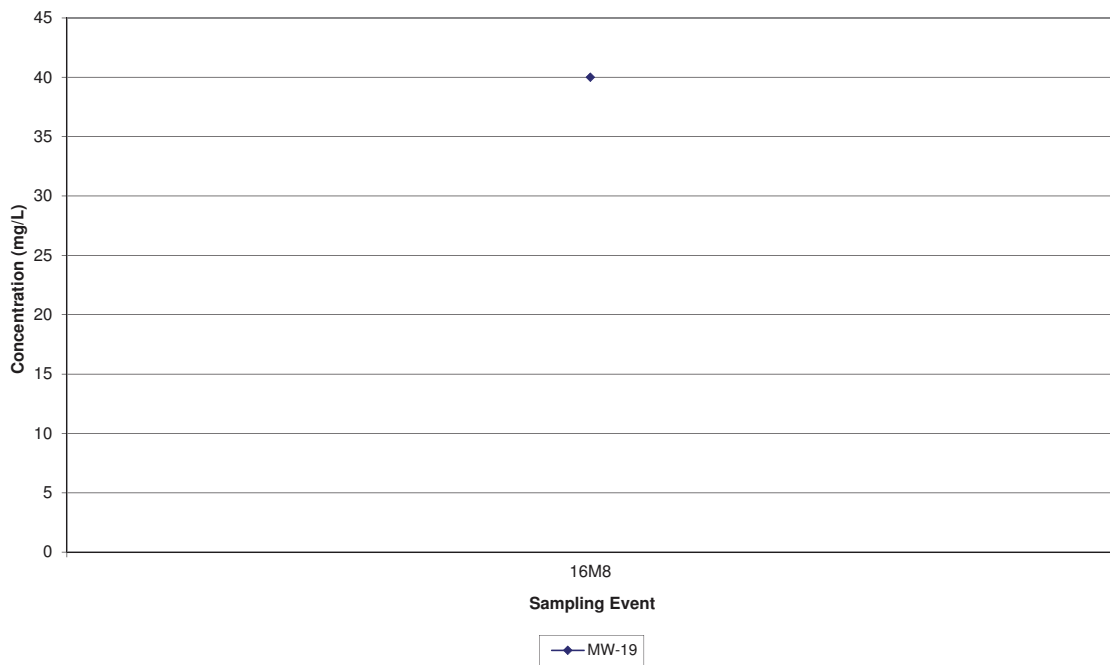




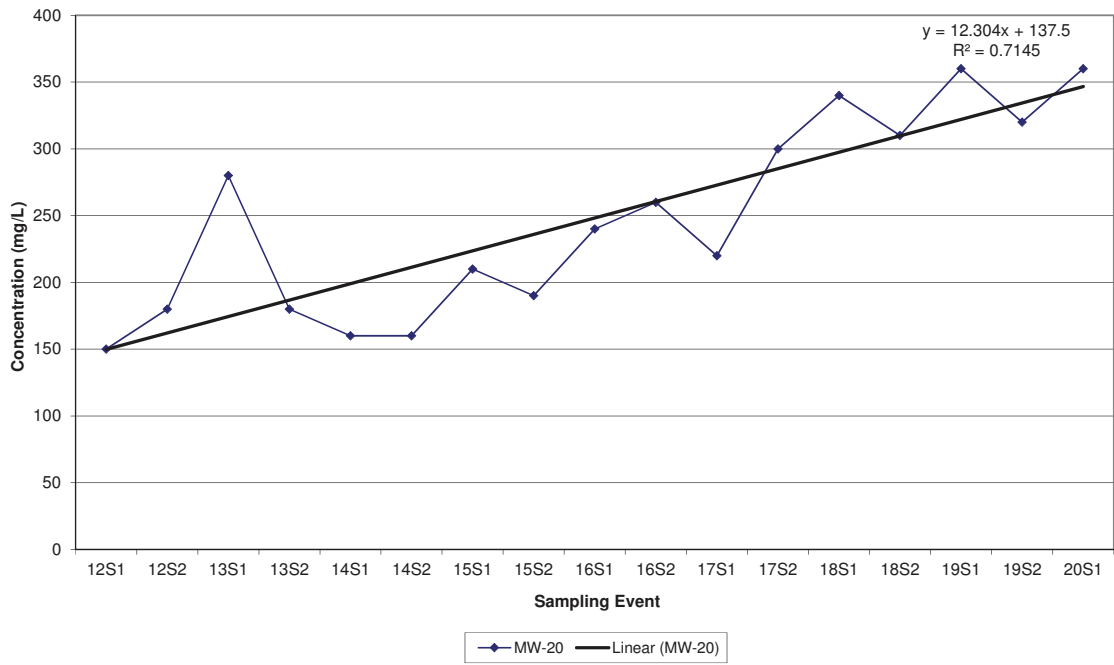
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-17**



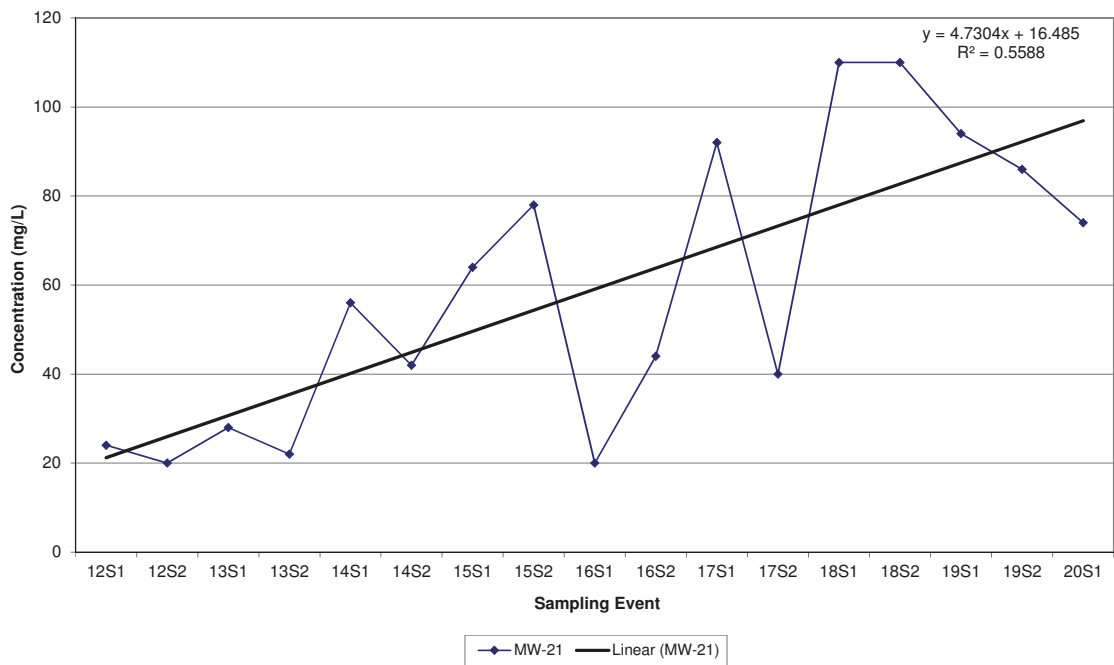
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-19**



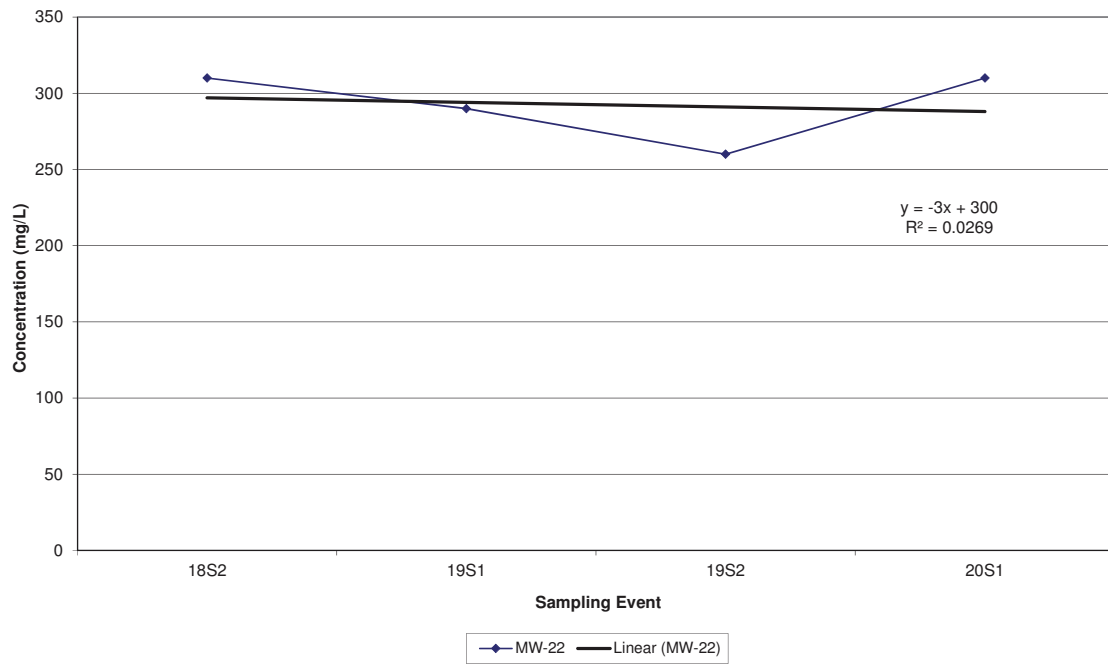
**Citrus County Central Landfill  
Historic Residues- Filterable (TDS) in MW-20**



**Citrus County Central Landfill  
Historic Residues- Filterable (TDS) in MW-21**

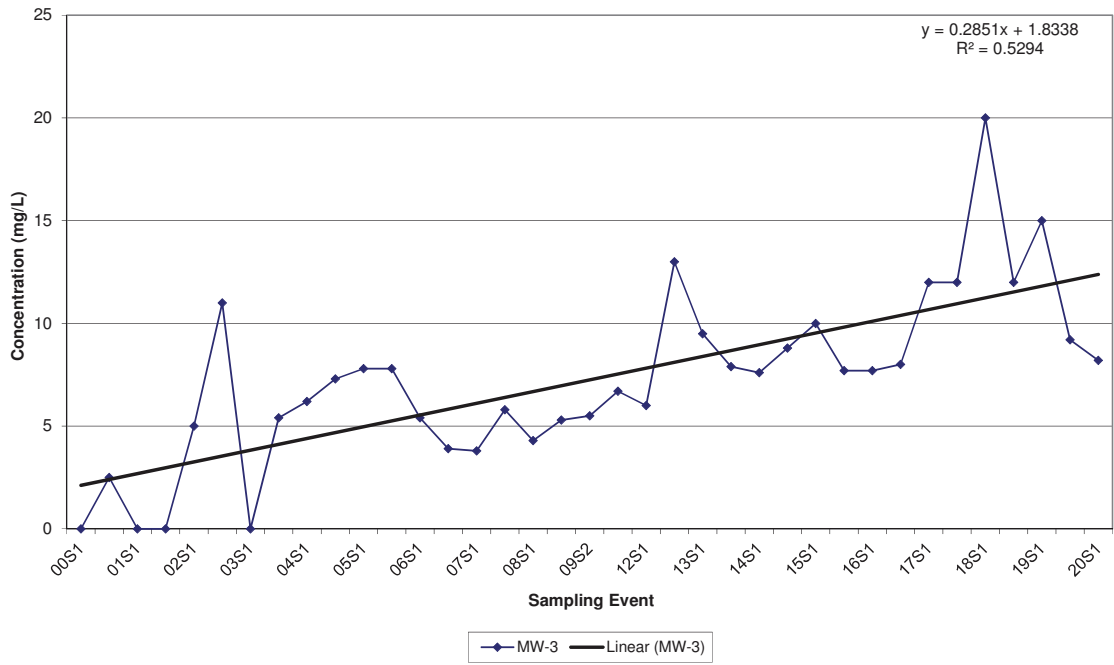


Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-22

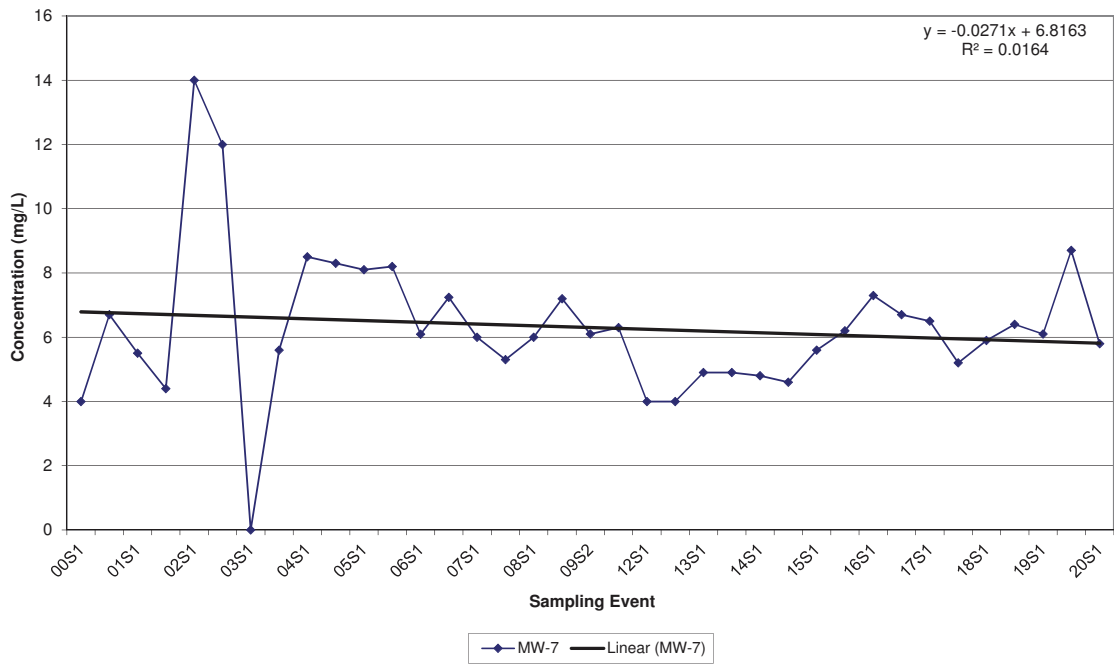


**Citrus County Central Landfill  
Historical Chloride Data**

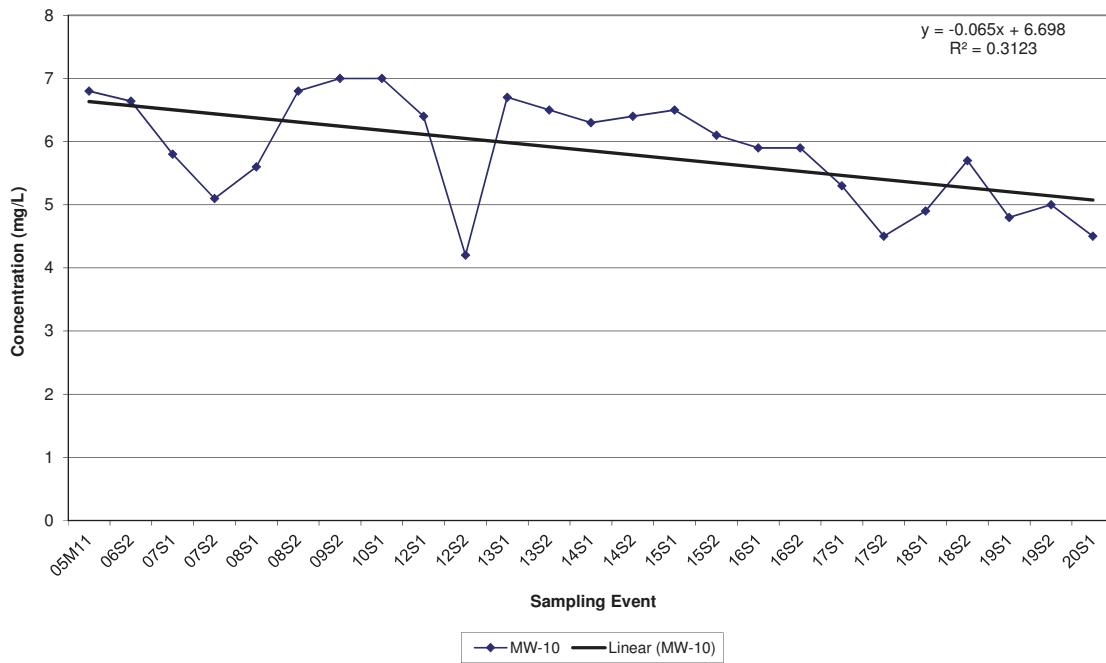
**Citrus County Central Landfill  
Historic Chloride in MW-3**



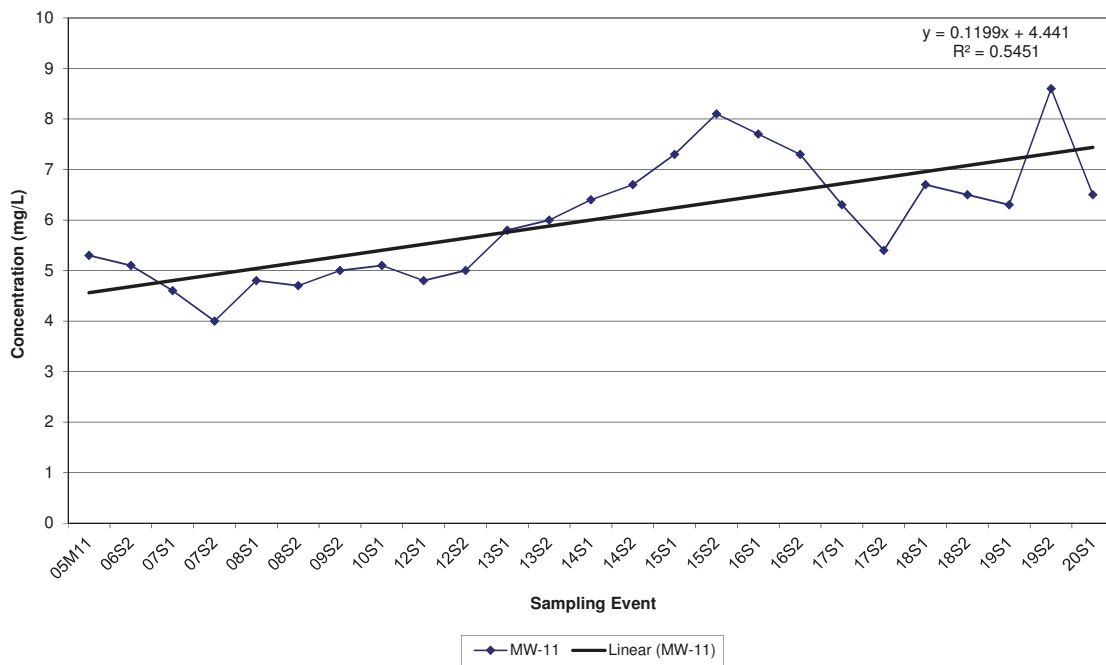
**Citrus County Central Landfill  
Historic Chloride in MW-7**



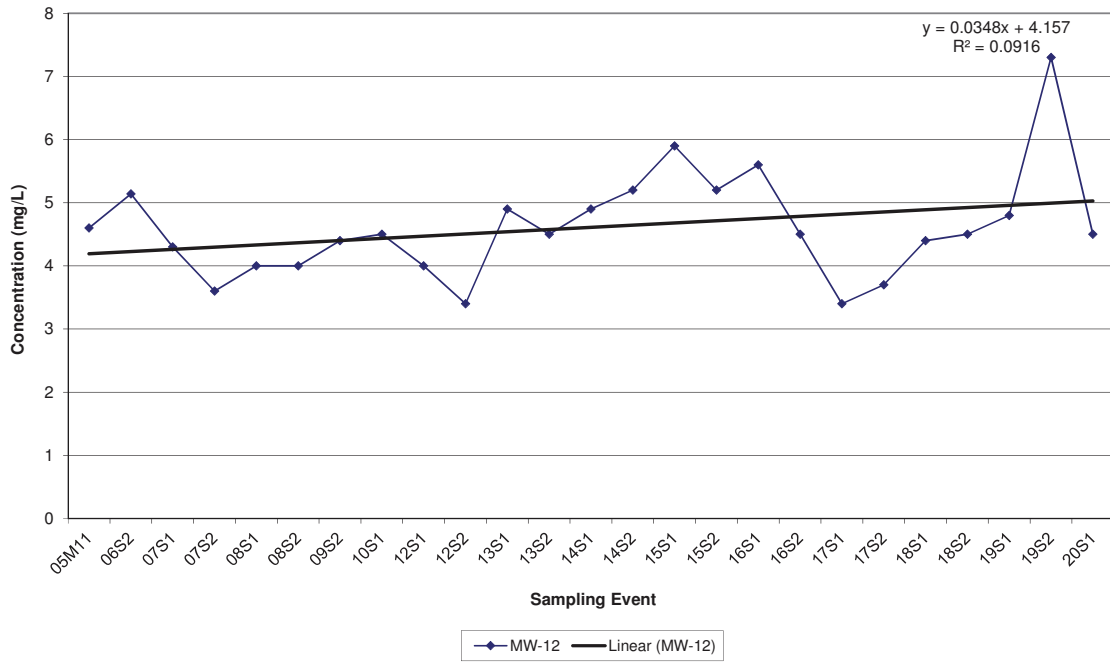
**Citrus County Central Landfill  
Historic Chloride in MW-10**



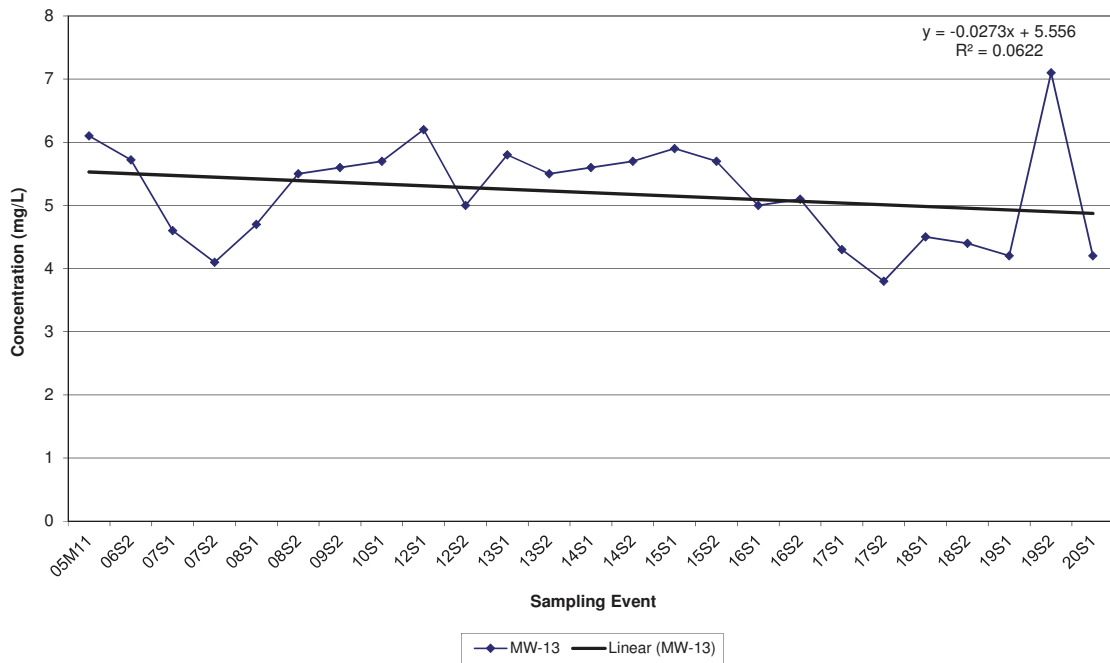
**Citrus County Central Landfill  
Historic Chloride in MW-11**



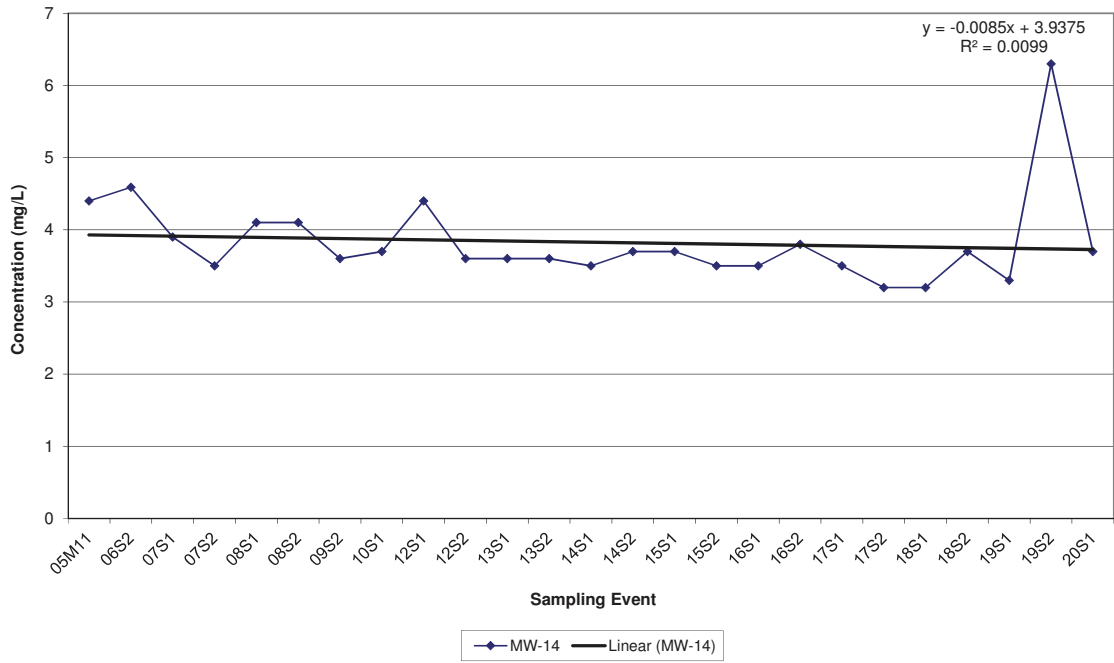
**Citrus County Central Landfill  
Historic Chloride in MW-12**



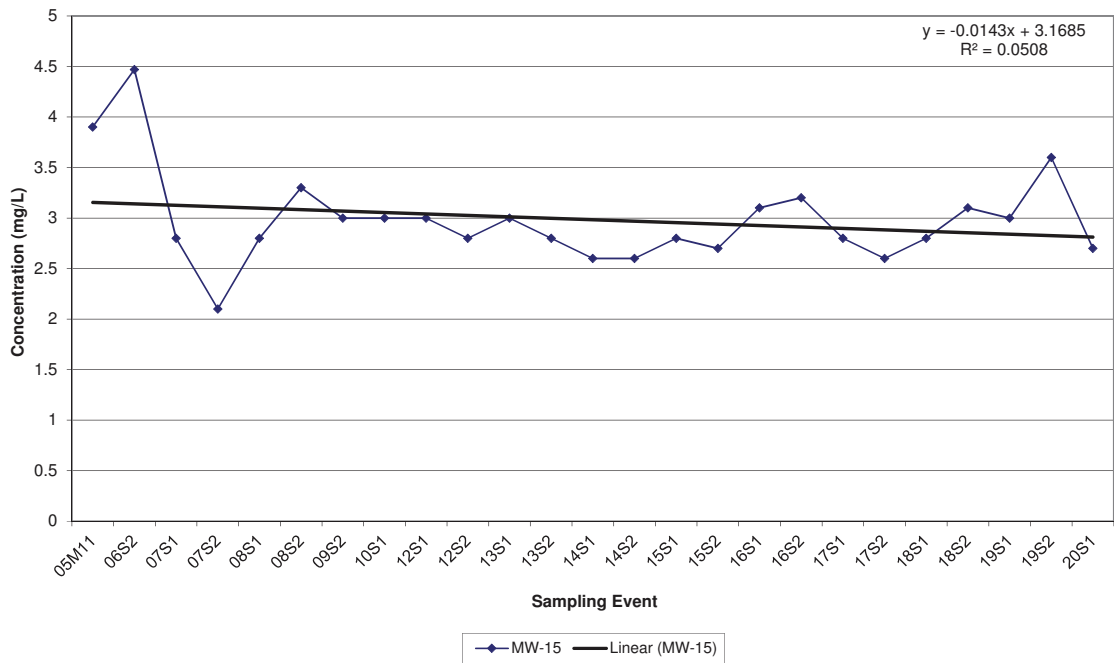
**Citrus County Central Landfill  
Historic Chloride in MW-13**



**Citrus County Central Landfill  
Historic Chloride in MW-14**

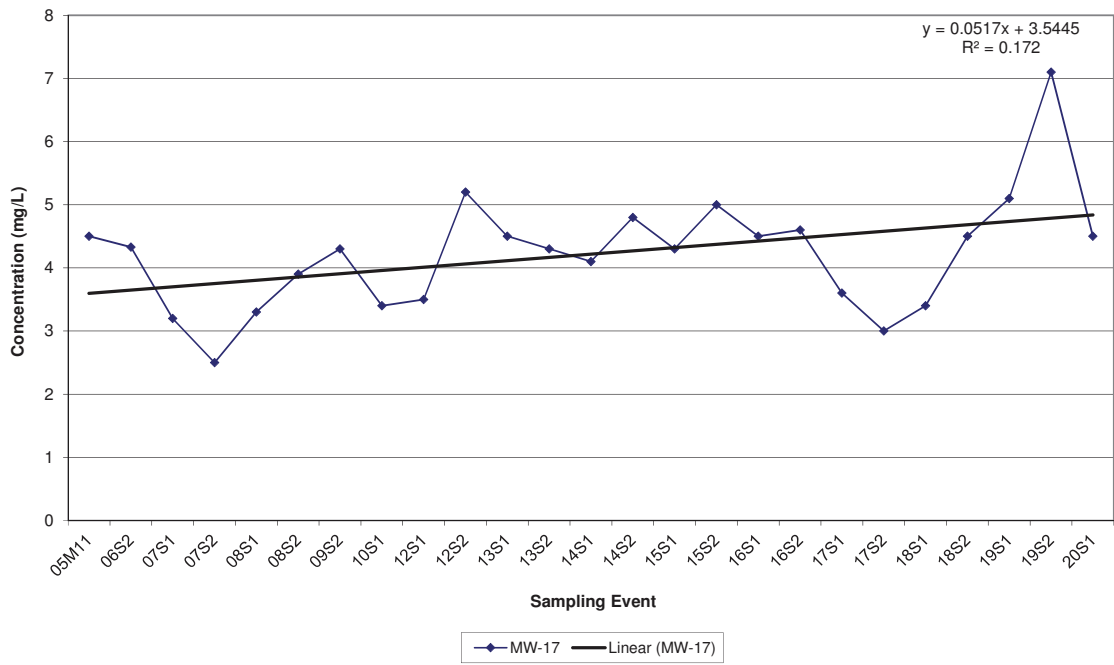


**Citrus County Central Landfill  
Historic Chloride in MW-15**

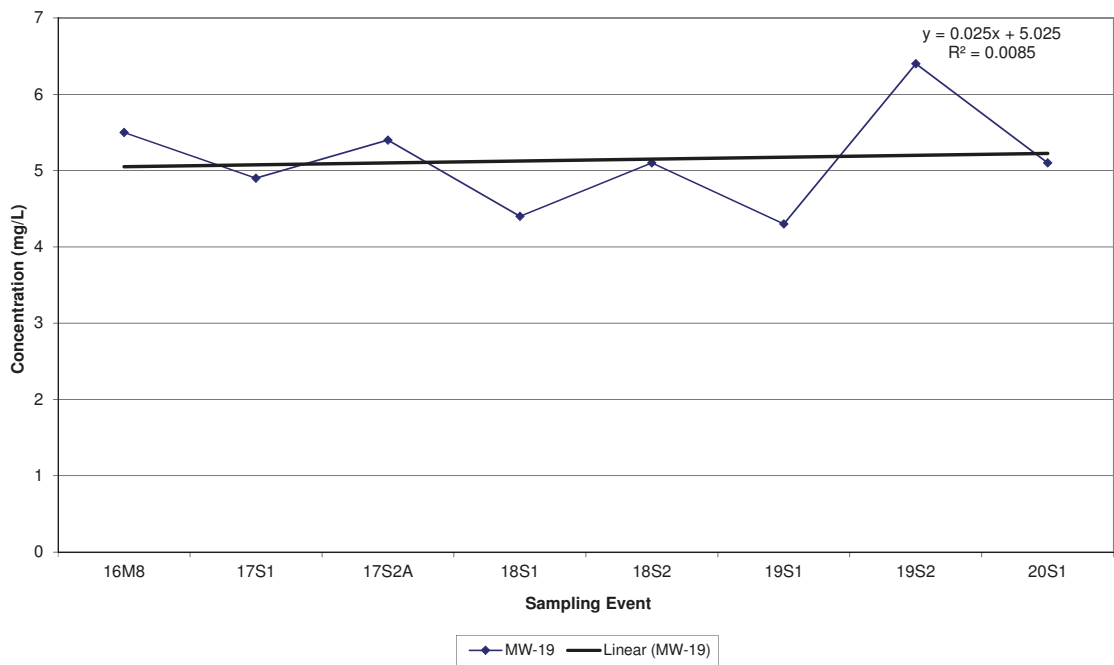




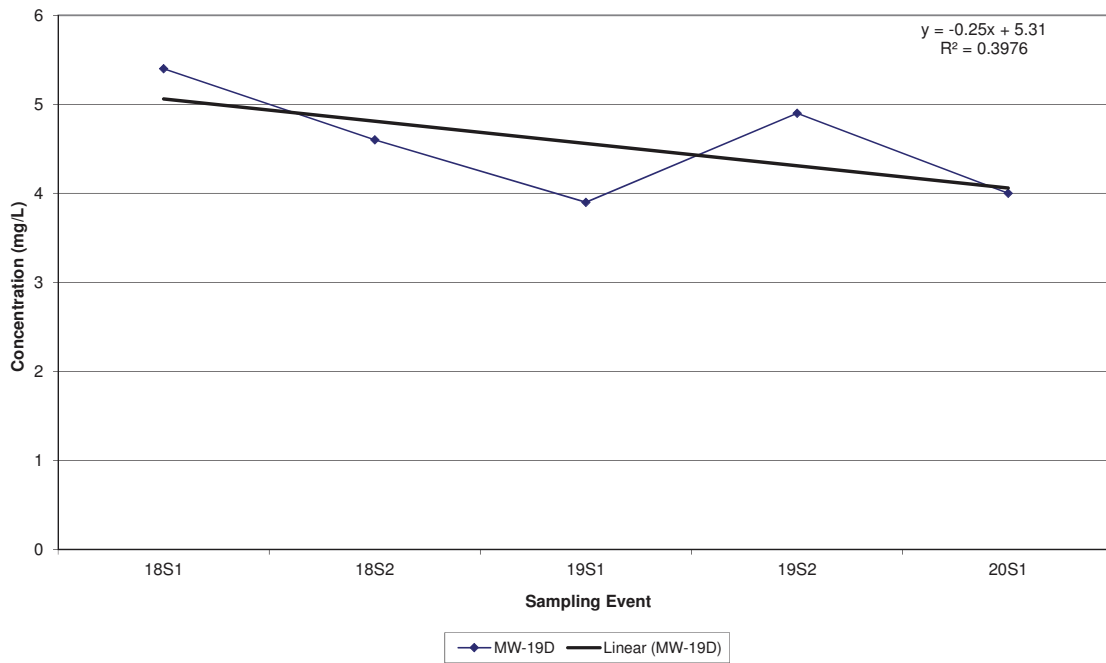
**Citrus County Central Landfill  
Historic Chloride in MW-17**



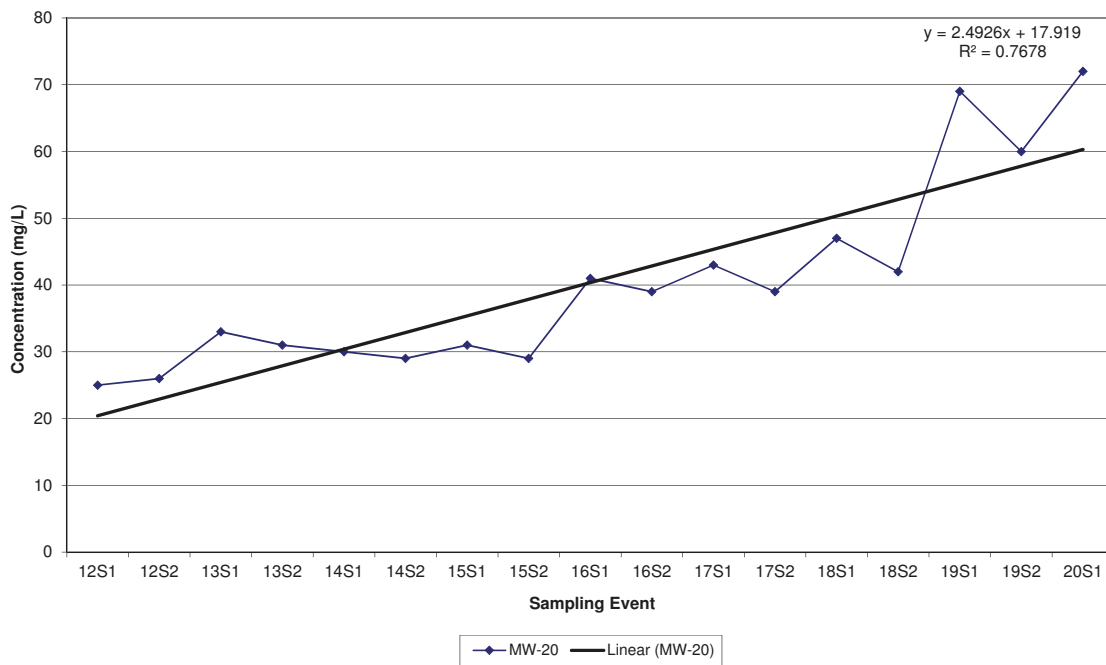
**Citrus County Central Landfill  
Historic Chloride in MW-19**



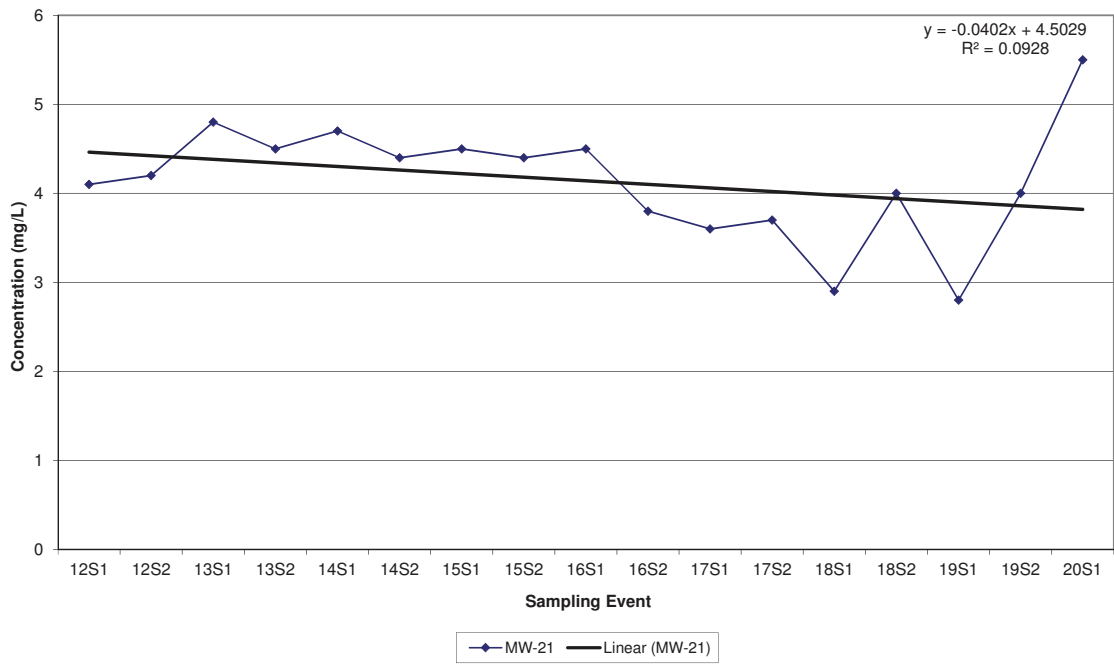
**Citrus County Central Landfill  
Historic Chloride in MW-19D**



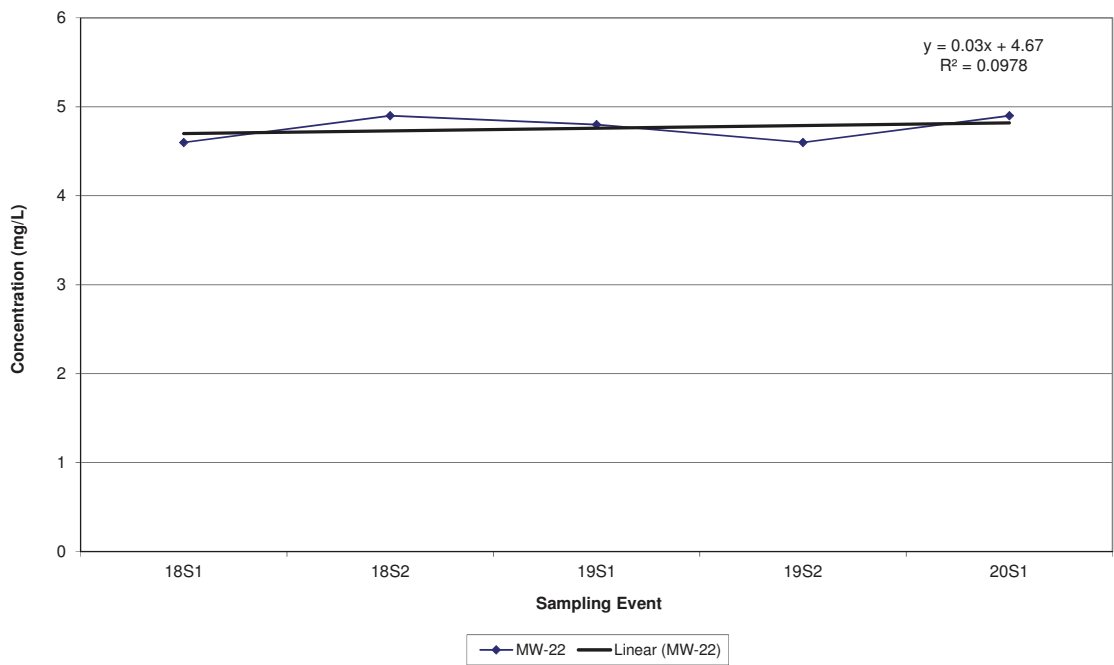
**Citrus County Central Landfill  
Historic Chloride in MW-20**



Citrus County Central Landfill  
Historic Chloride in MW-21

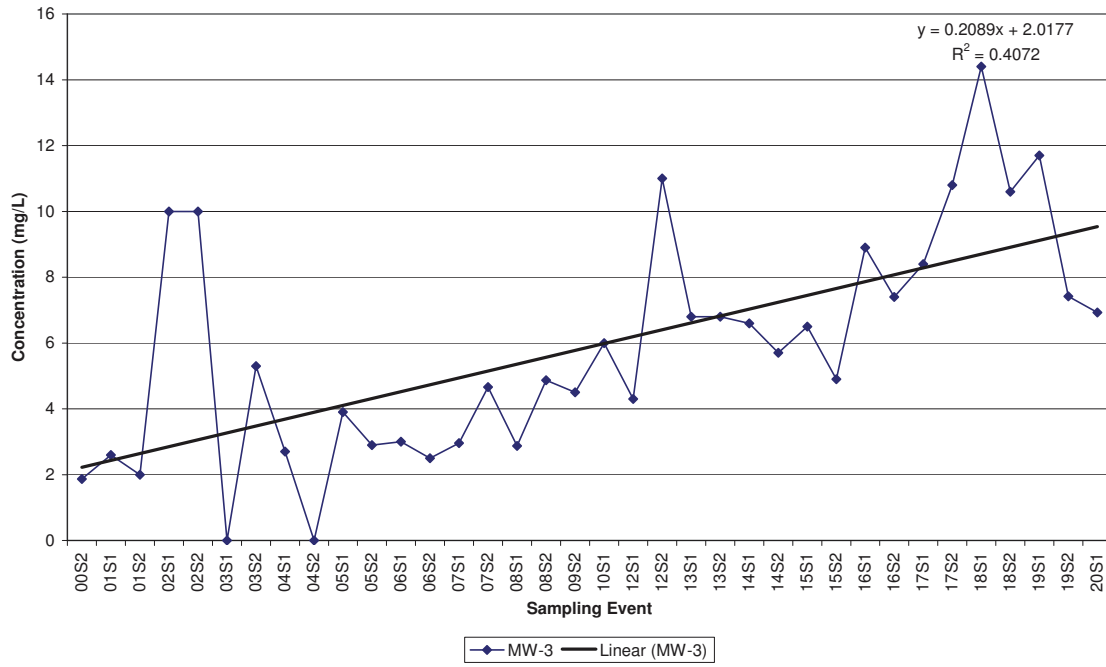


Citrus County Central Landfill  
Historic Chloride in MW-22

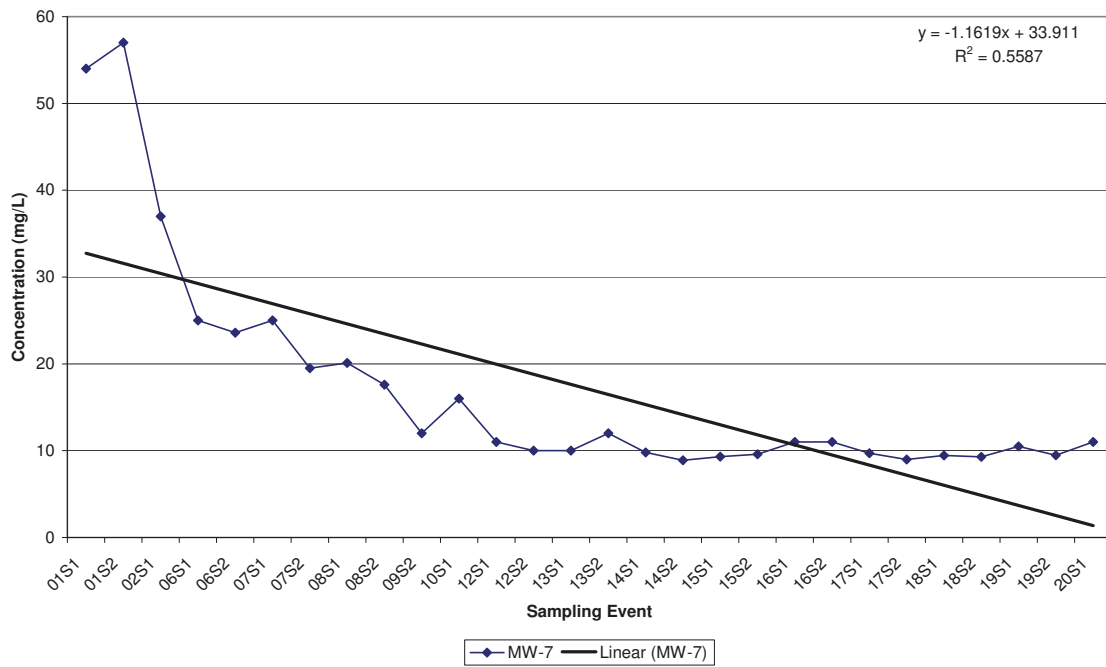


**Citrus County Central Landfill  
Historical Sodium Data**

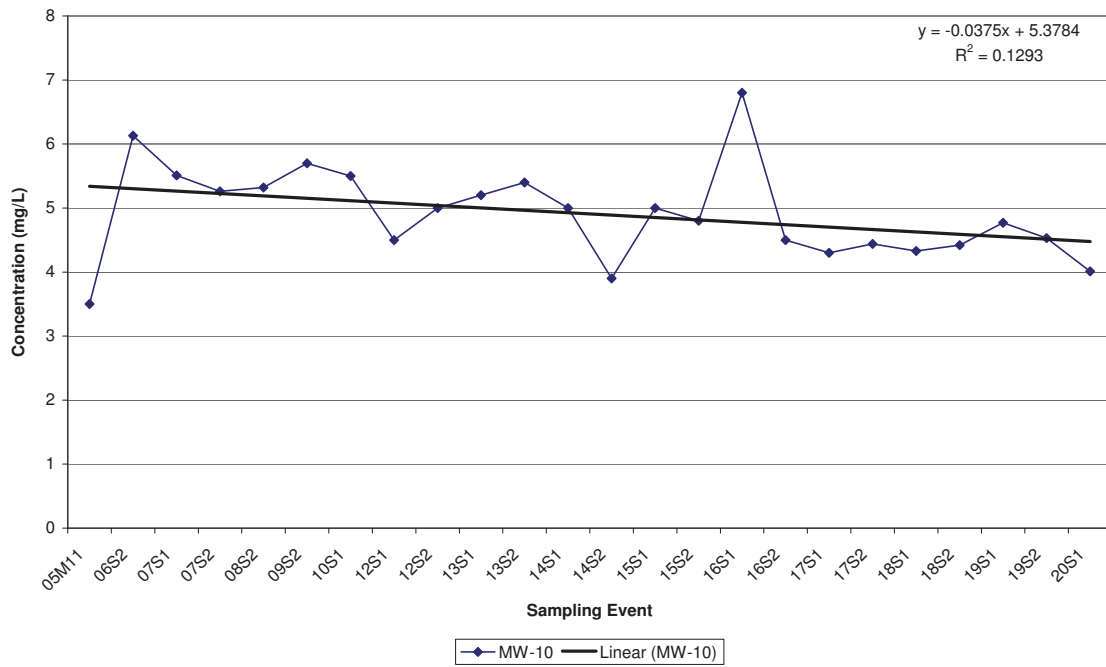
**Citrus County Central Landfill  
Historic Sodium in MW-3**



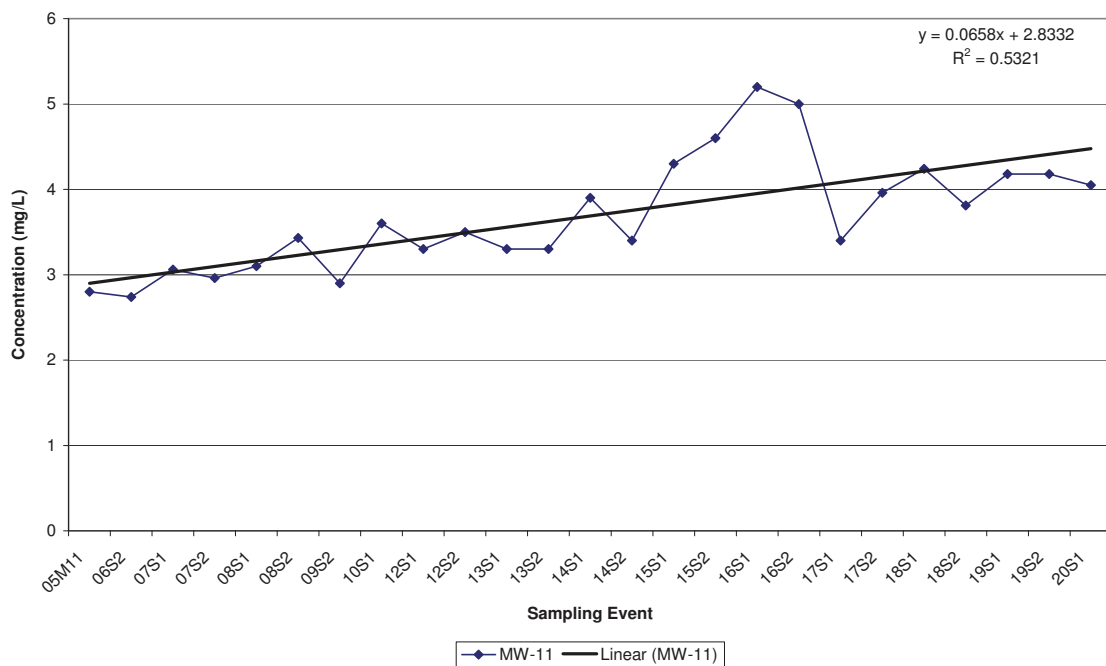
**Citrus County Central Landfill  
Historic Sodium in MW-7**



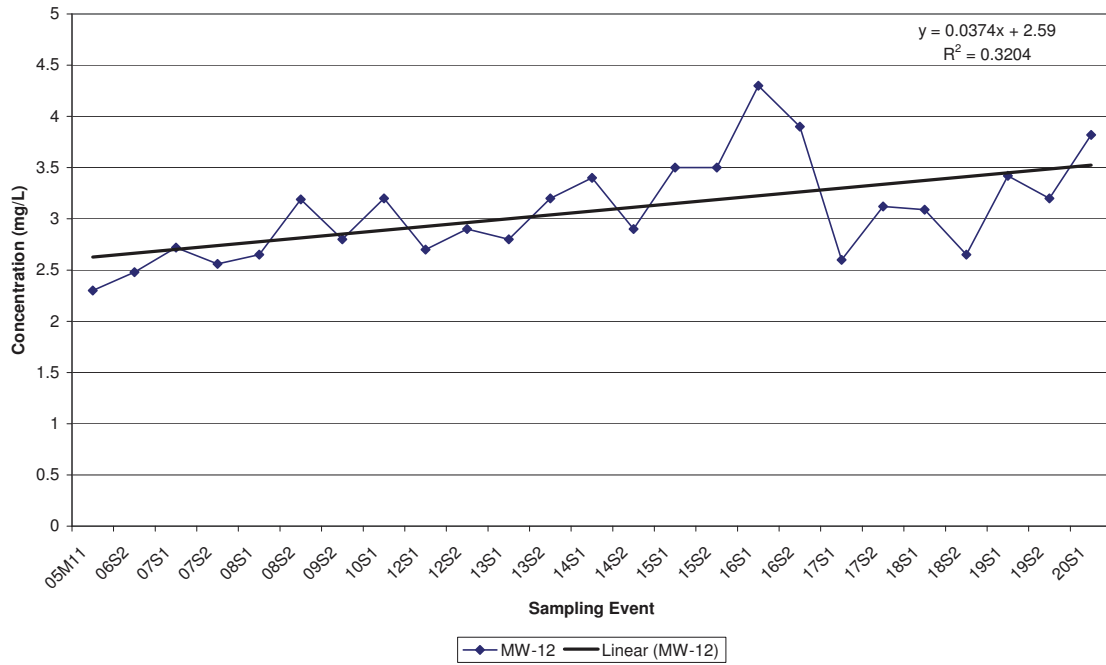
Citrus County Central Landfill  
Historic Sodium in MW-10



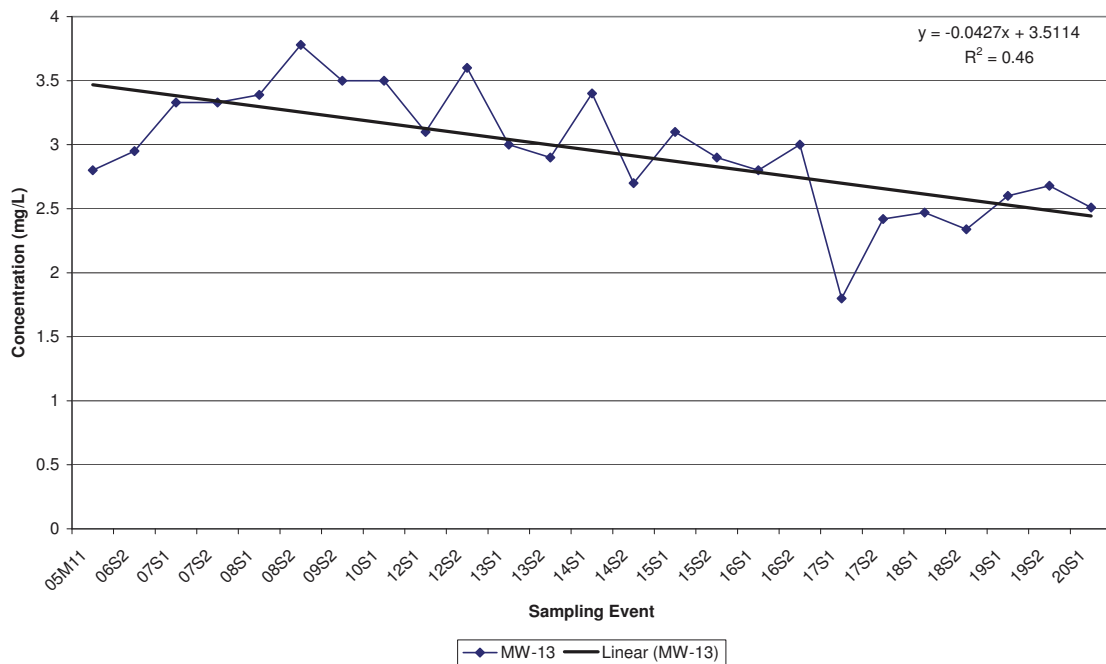
Citrus County Central Landfill  
Historic Sodium in MW-11



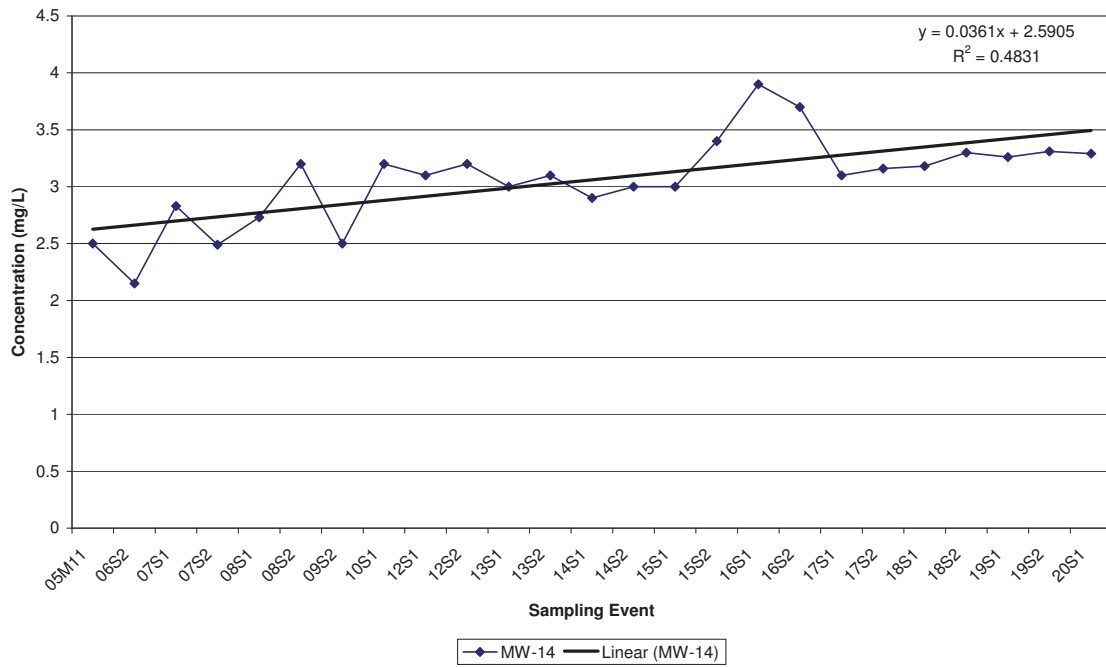
Citrus County Central Landfill  
Historic Sodium in MW-12



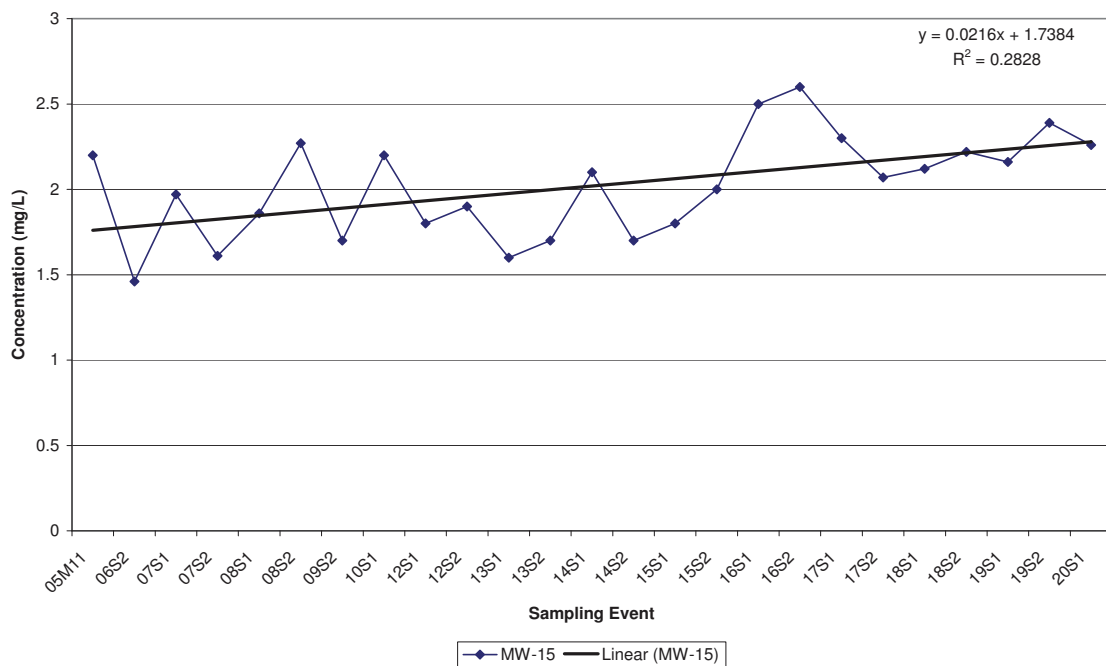
Citrus County Central Landfill  
Historic Sodium in MW-13



**Citrus County Central Landfill  
Historic Sodium in MW-14**

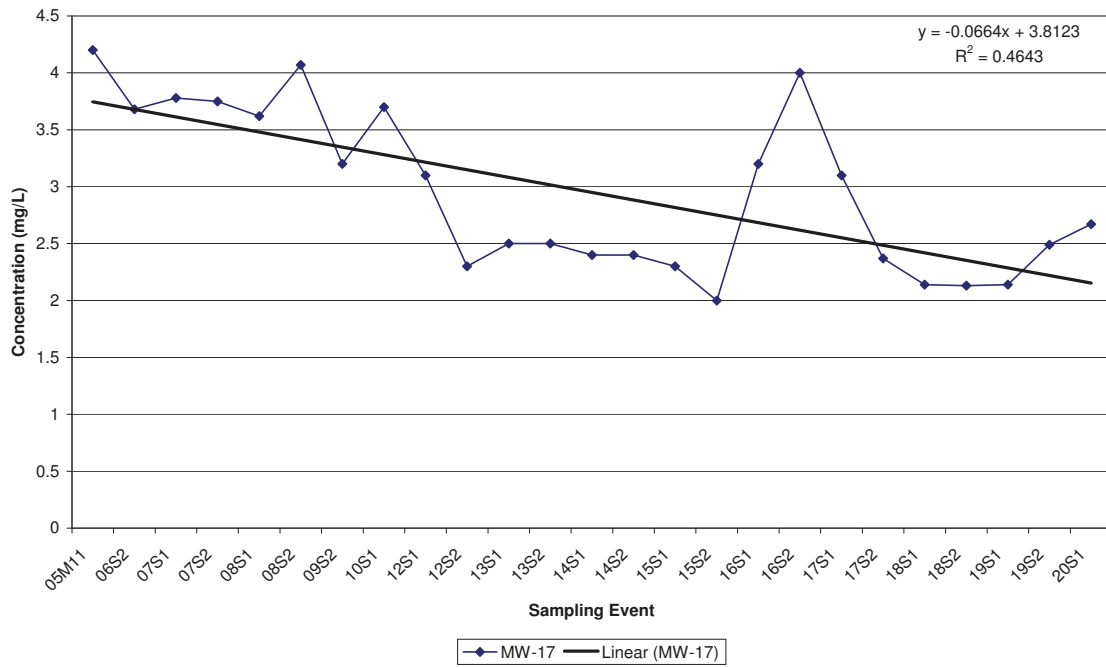


**Citrus County Central Landfill  
Historic Sodium in MW-15**

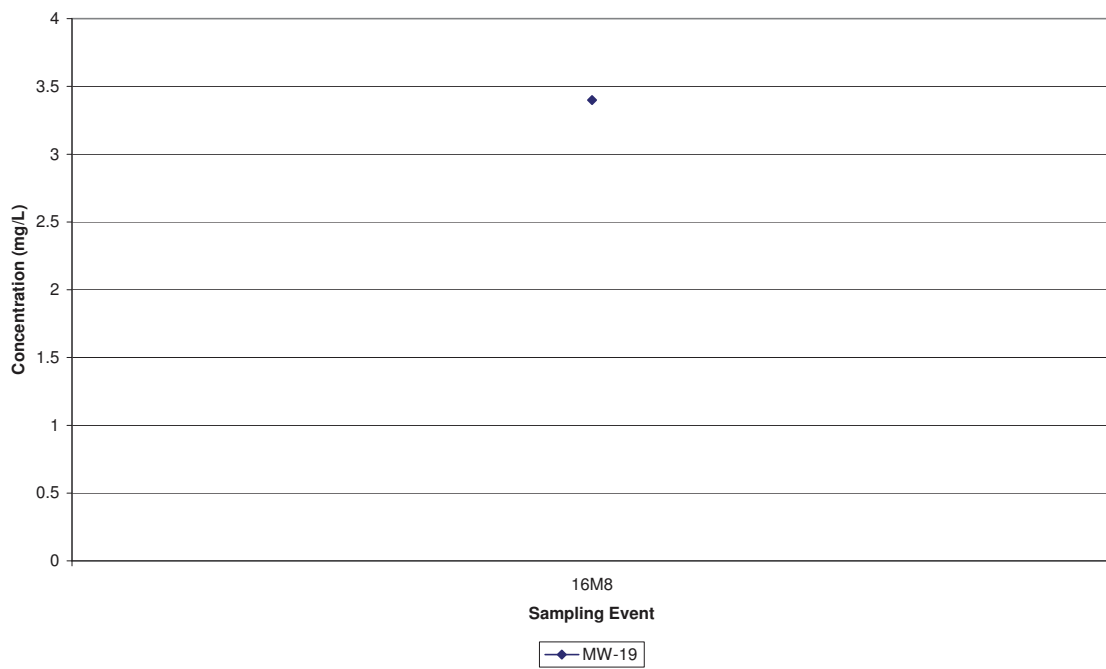




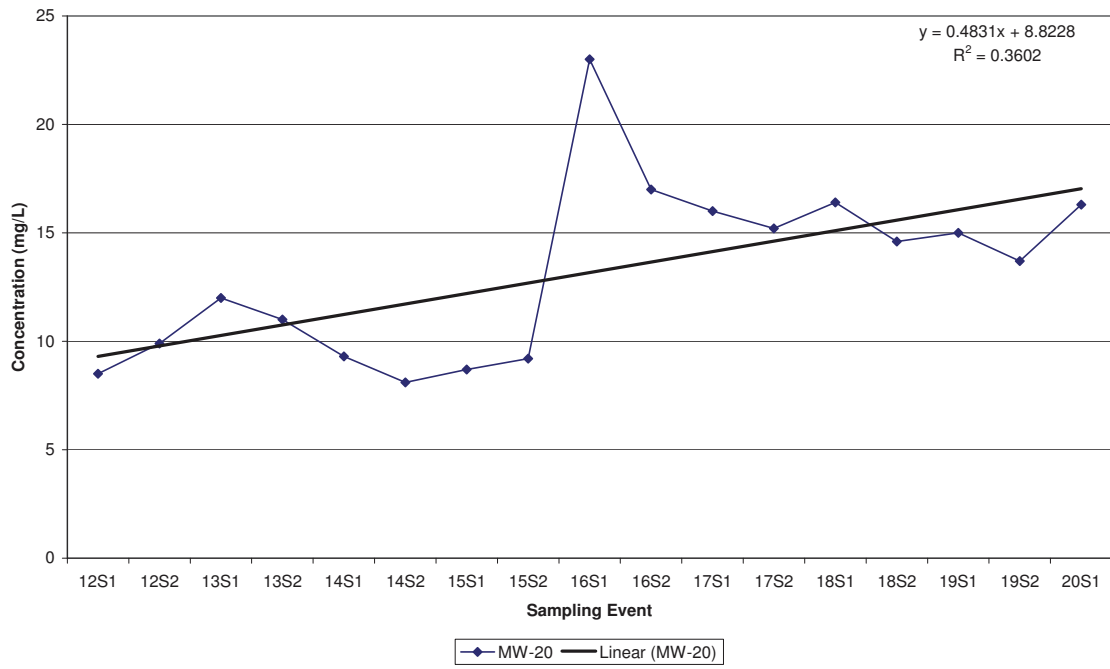
**Citrus County Central Landfill  
Historic Sodium in MW-17**



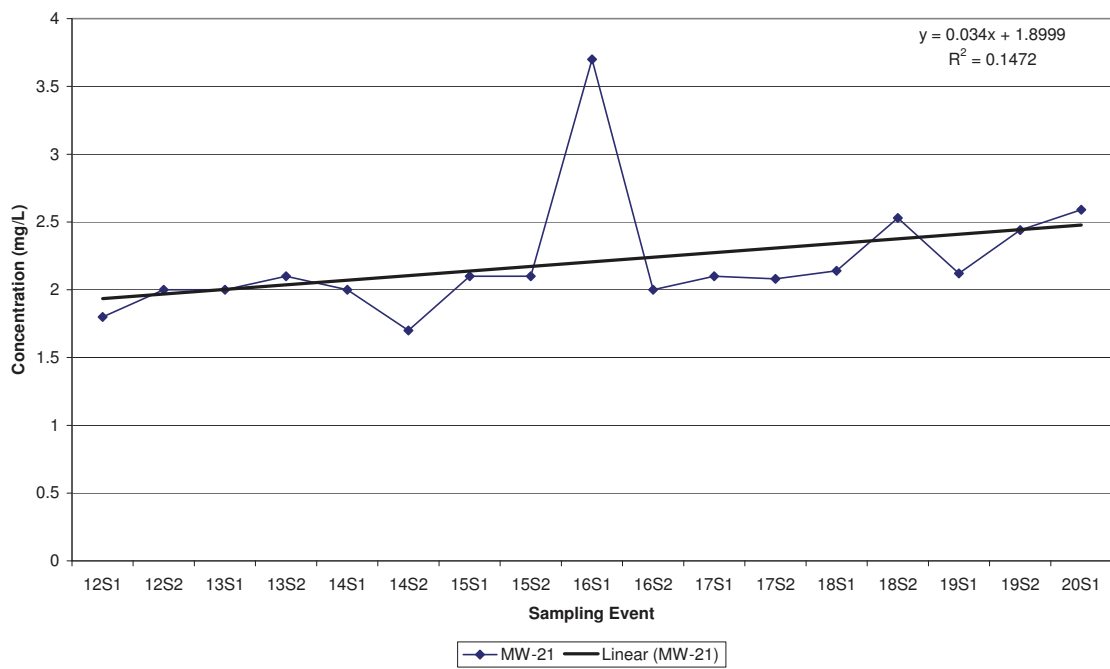
**Citrus County Central Landfill  
Historic Sodium in MW-19**



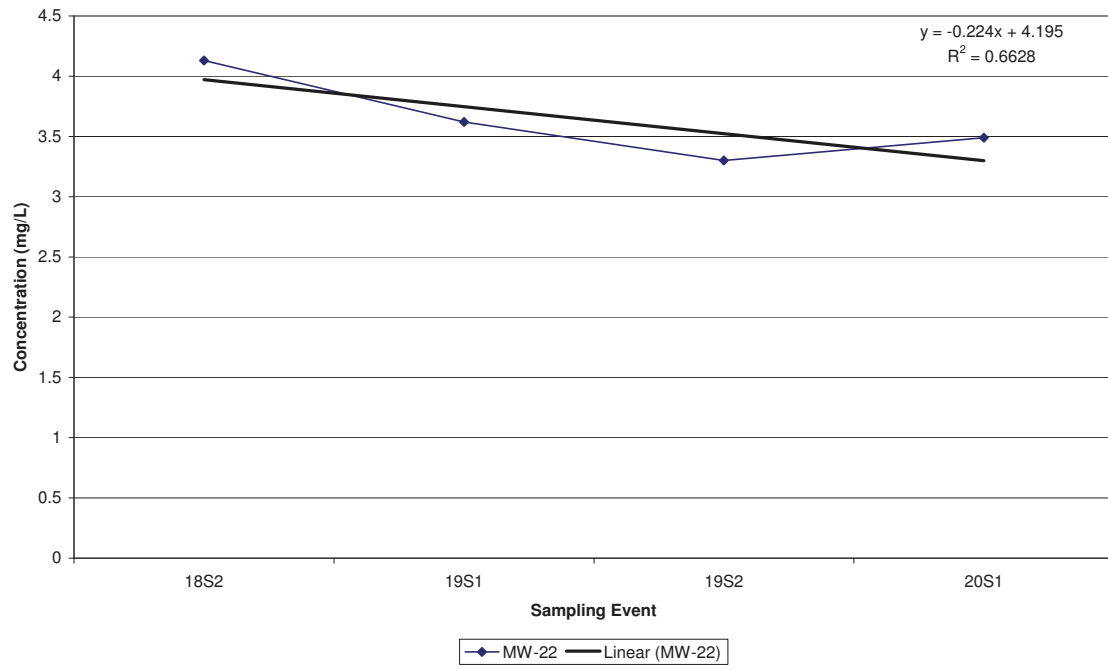
Citrus County Central Landfill  
Historic Sodium in MW-20



Citrus County Central Landfill  
Historic Sodium in MW-21

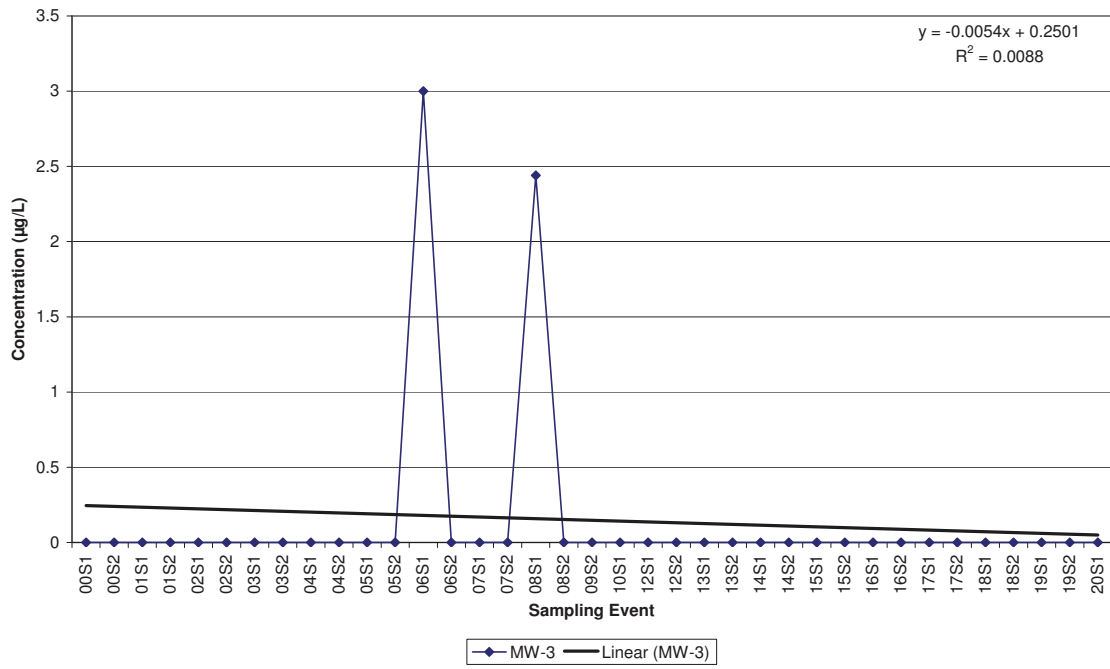


Citrus County Central Landfill  
Historic Sodium in MW-22

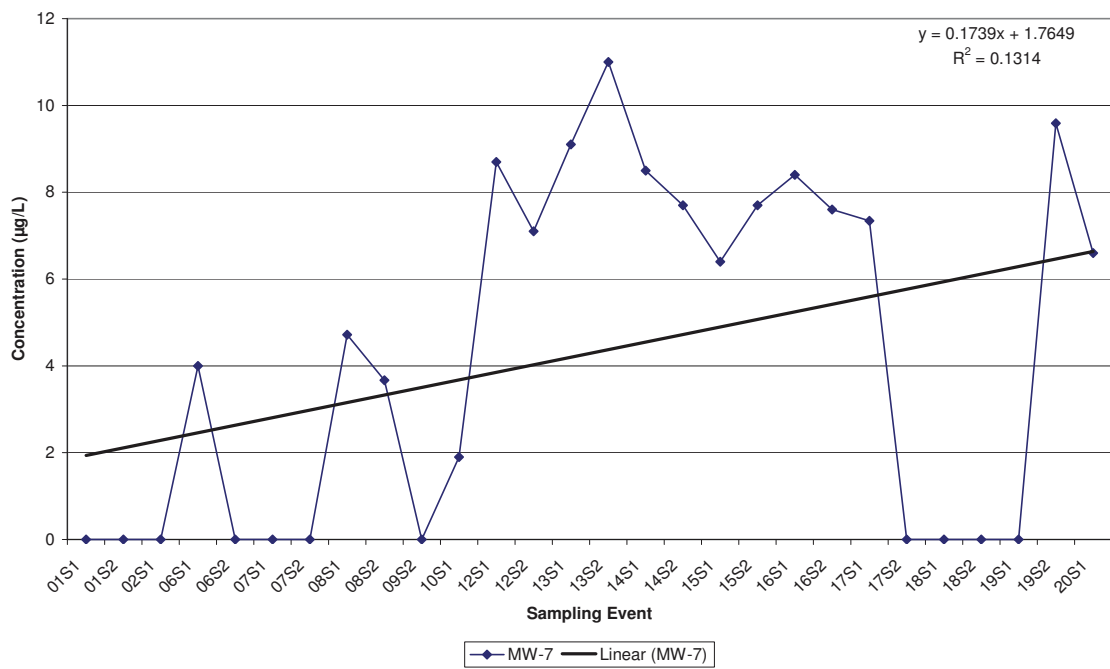


**Citrus County Central Landfill  
Historical Arsenic Data**

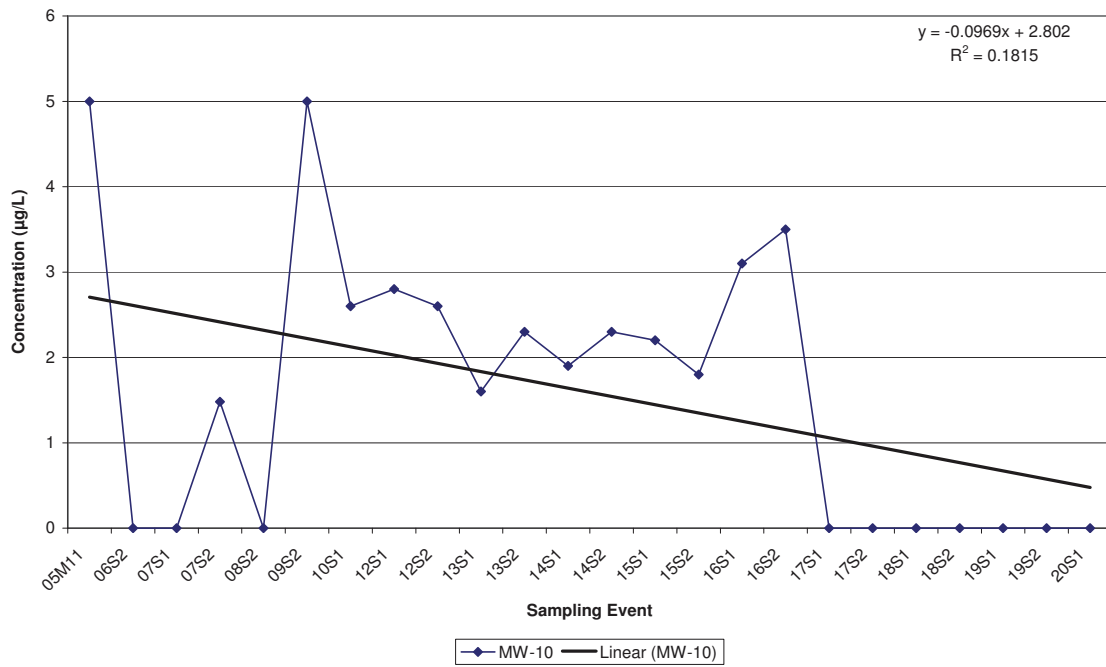
**Citrus County Central Landfill  
Historic Arsenic in MW-3**



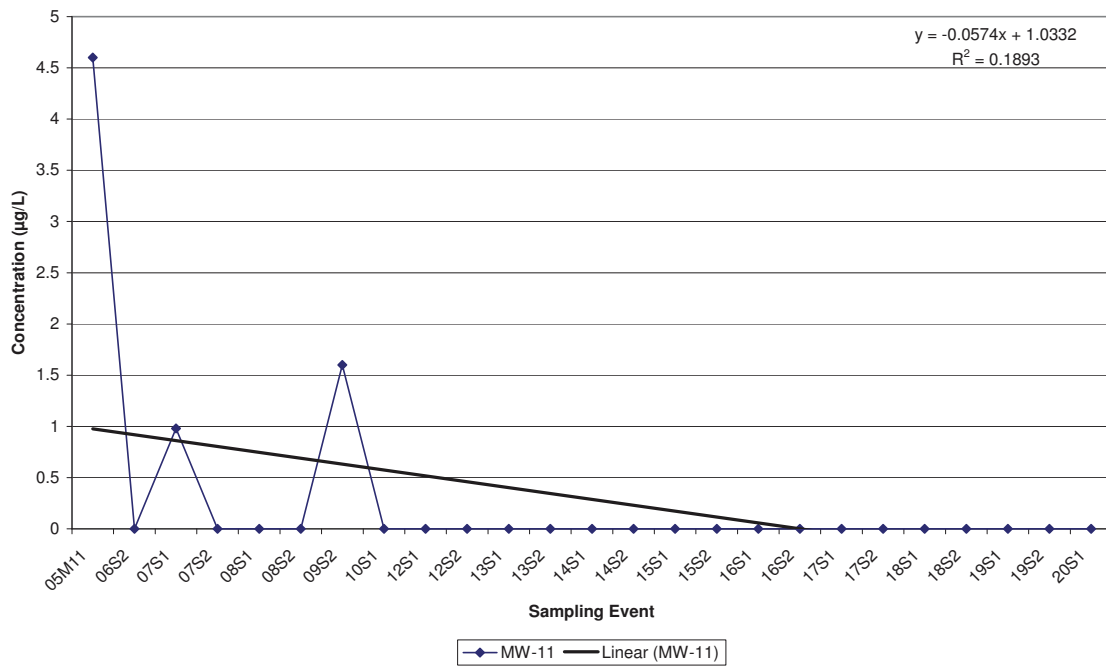
**Citrus County Central Landfill  
Historic Arsenic in MW-7**



**Citrus County Central Landfill  
Historic Arsenic in MW-10**



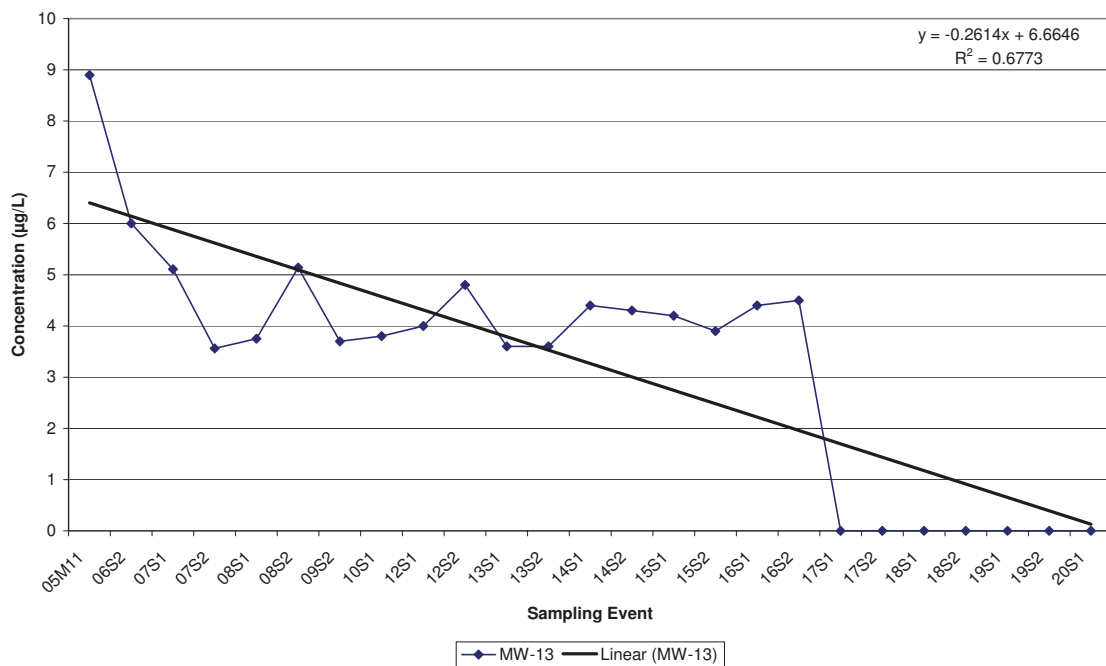
**Citrus County Central Landfill  
Historic Arsenic in MW-11**



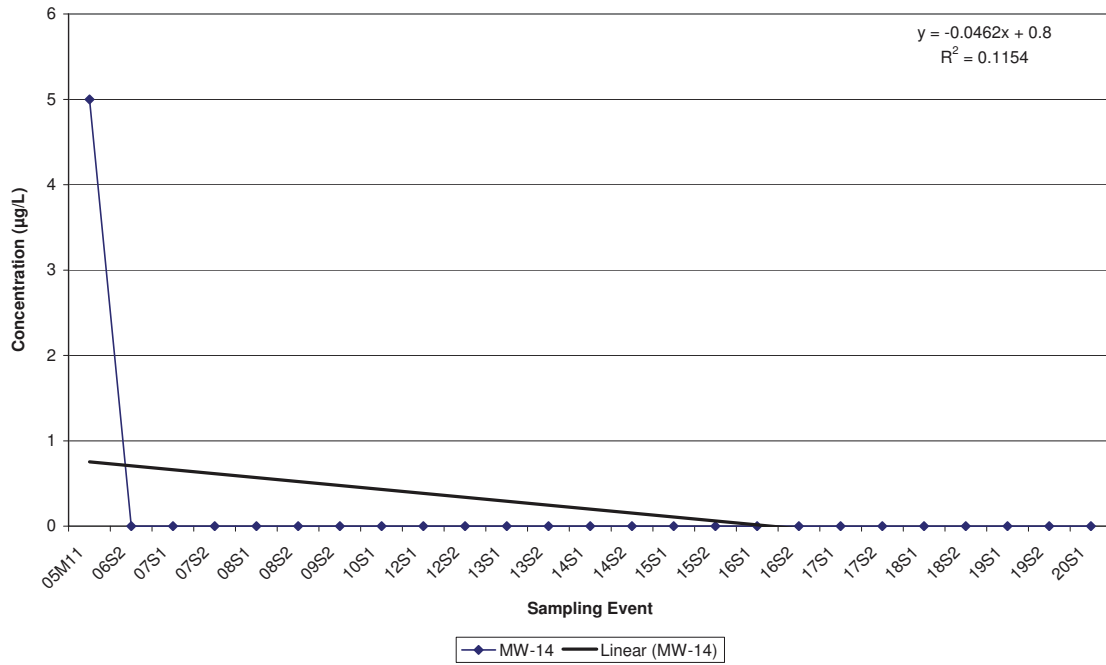
**Citrus County Central Landfill  
Historic Arsenic in MW-12**



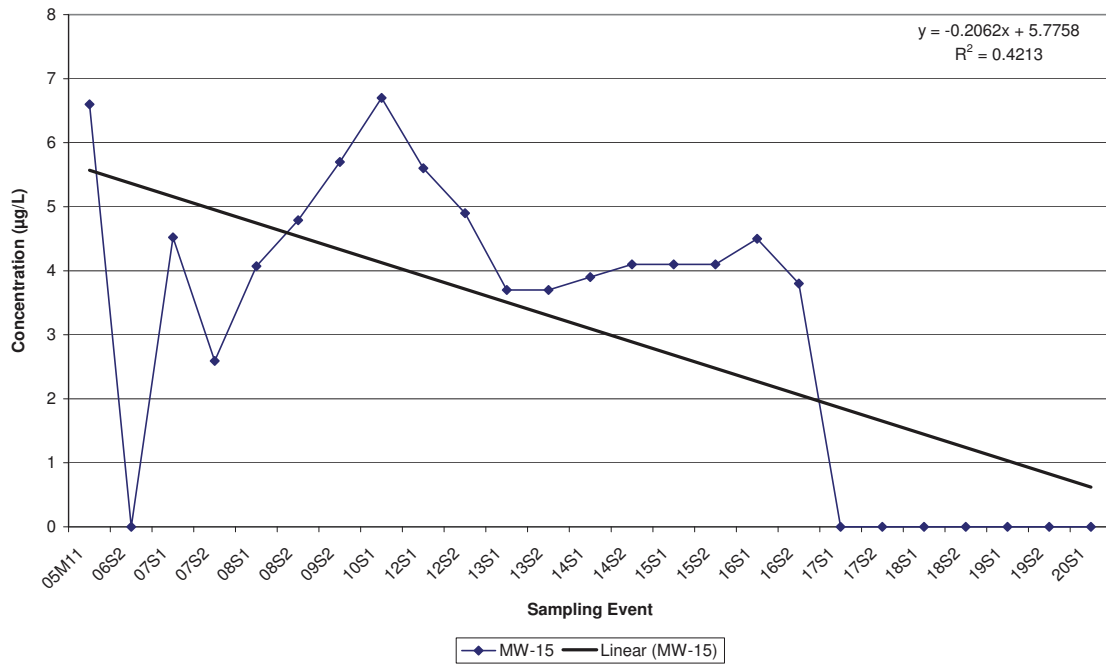
**Citrus County Central Landfill  
Historic Arsenic in MW-13**



Citrus County Central Landfill  
Historic Arsenic in MW-14

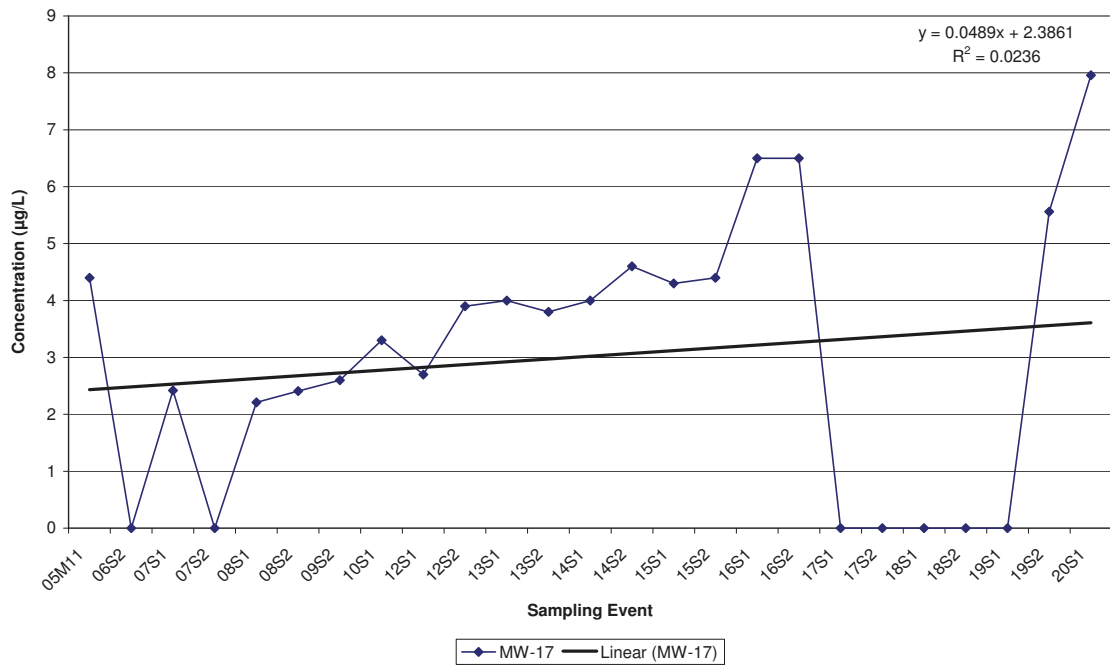


Citrus County Central Landfill  
Historic Arsenic in MW-15

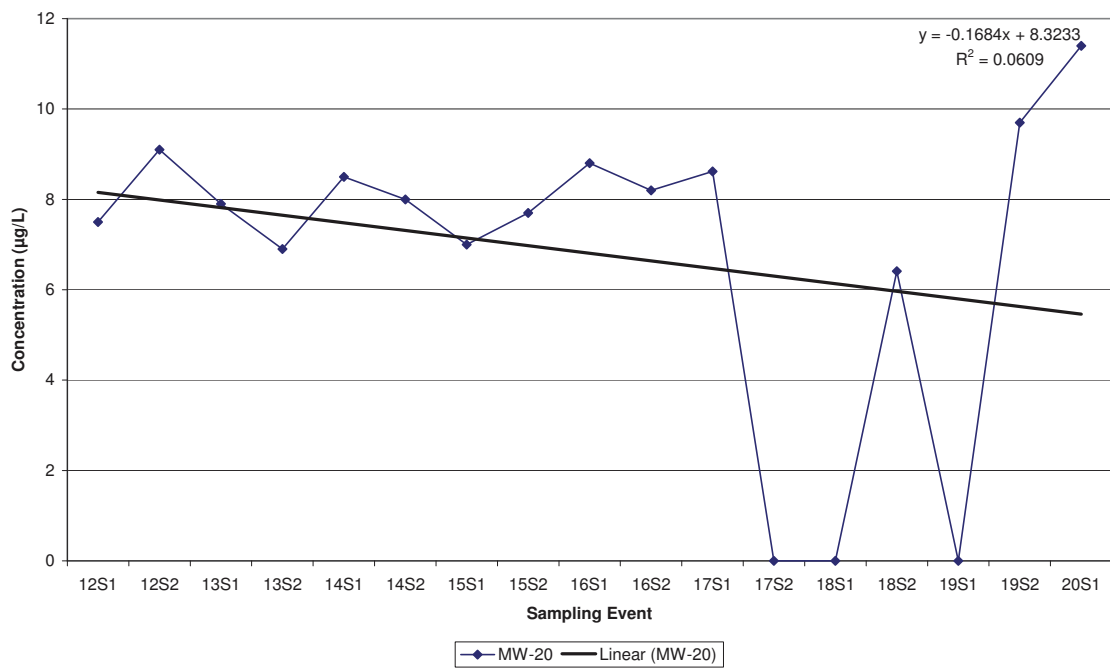




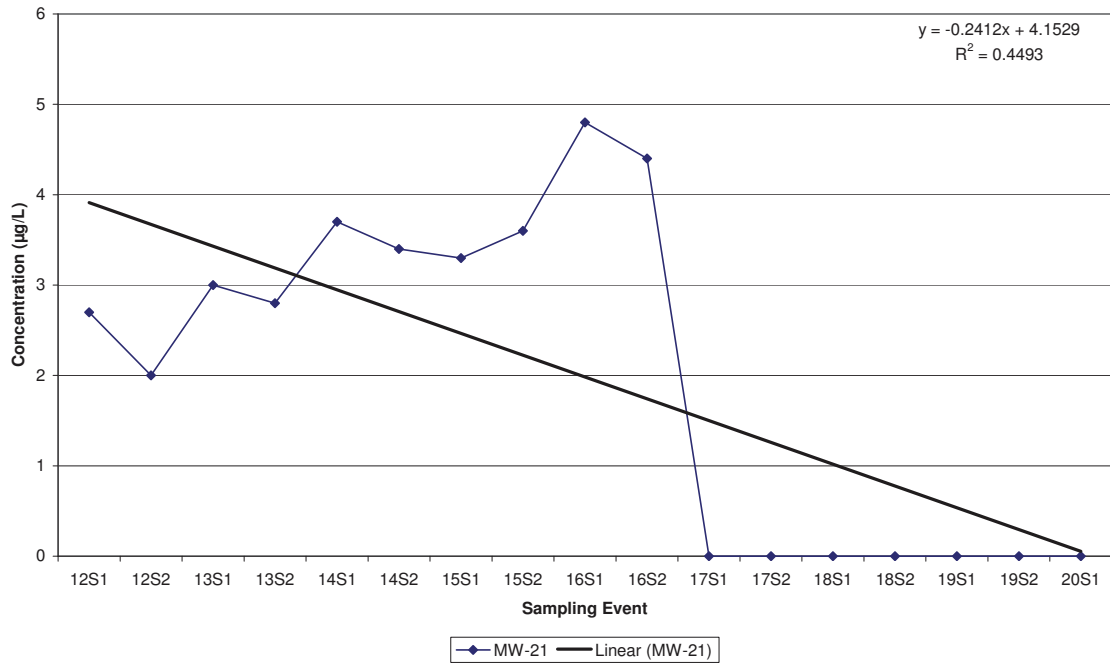
**Citrus County Central Landfill  
Historic Arsenic in MW-17**



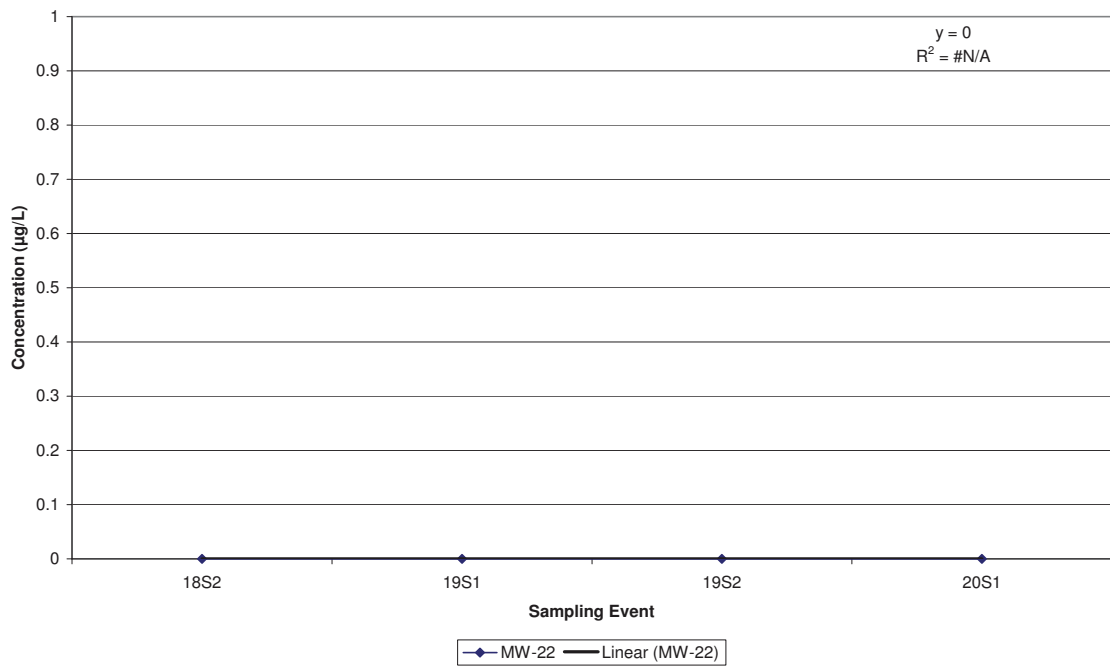
**Citrus County Central Landfill  
Historic Arsenic in MW-20**



Citrus County Central Landfill  
Historic Arsenic in MW-21

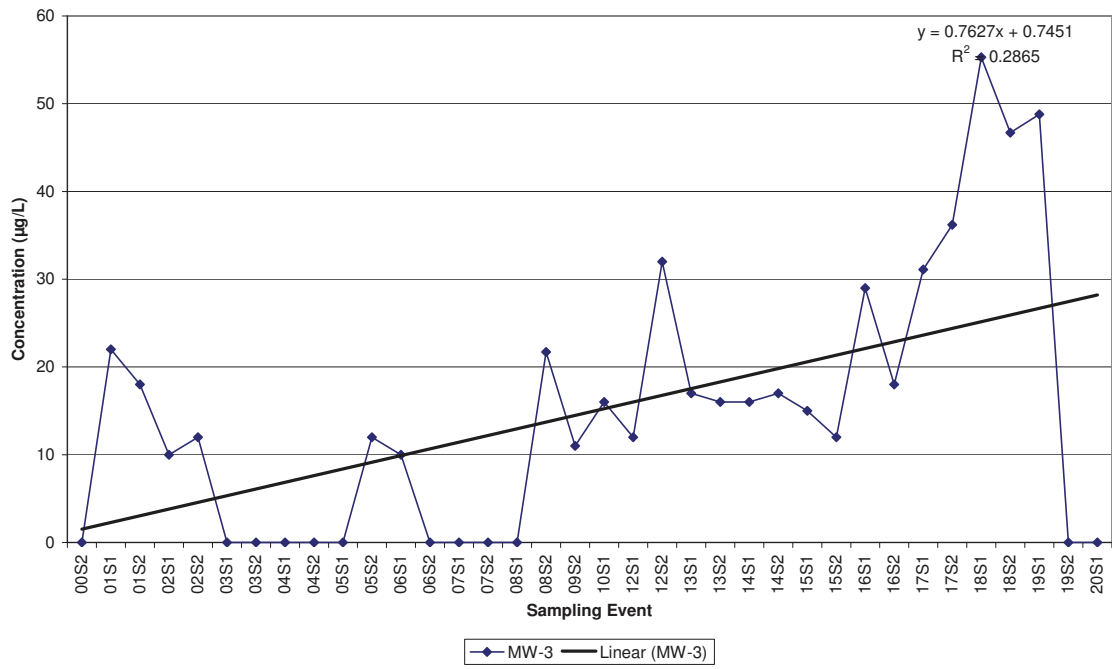


Citrus County Central Landfill  
Historic Arsenic in MW-22

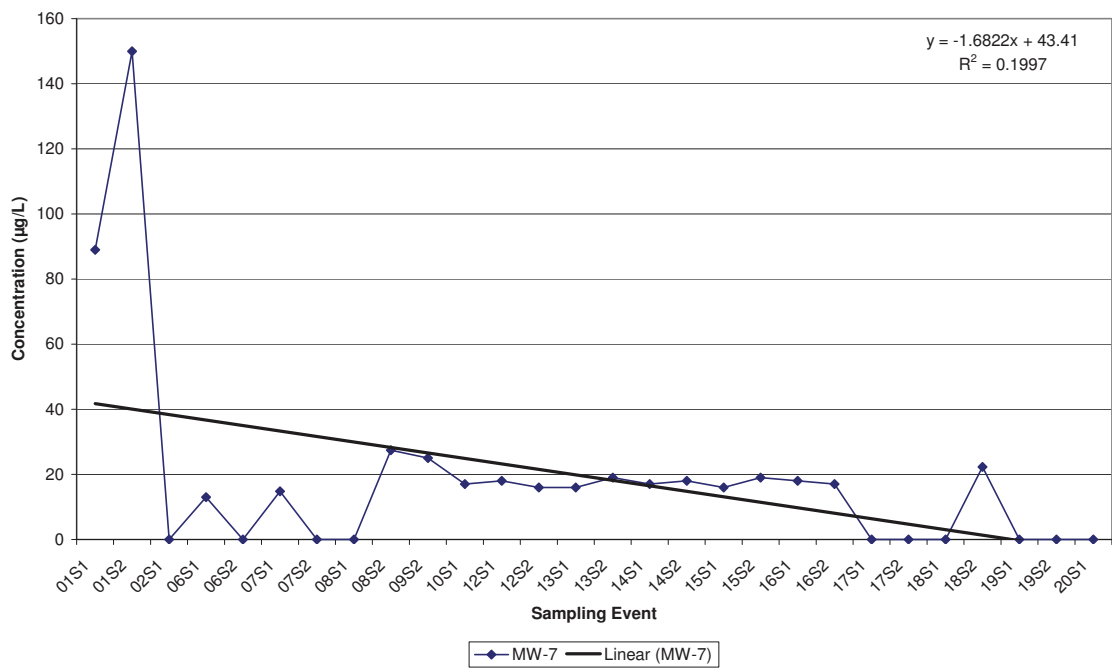


**Citrus County Central Landfill  
Historical Barium Data**

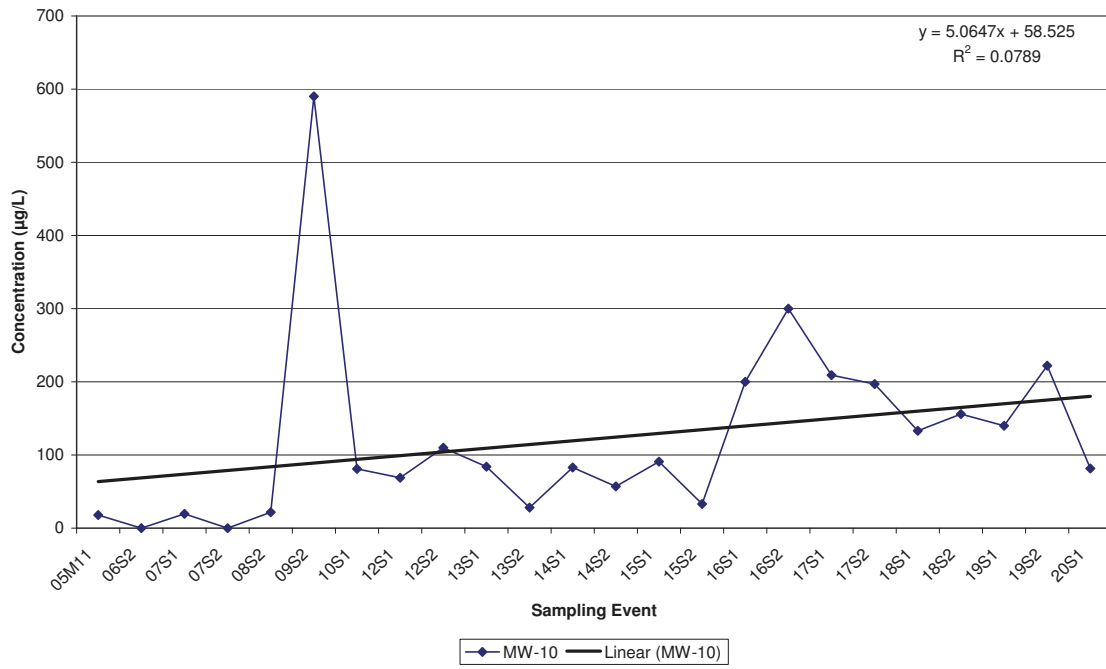
**Citrus County Central Landfill  
Historic Barium in MW-3**



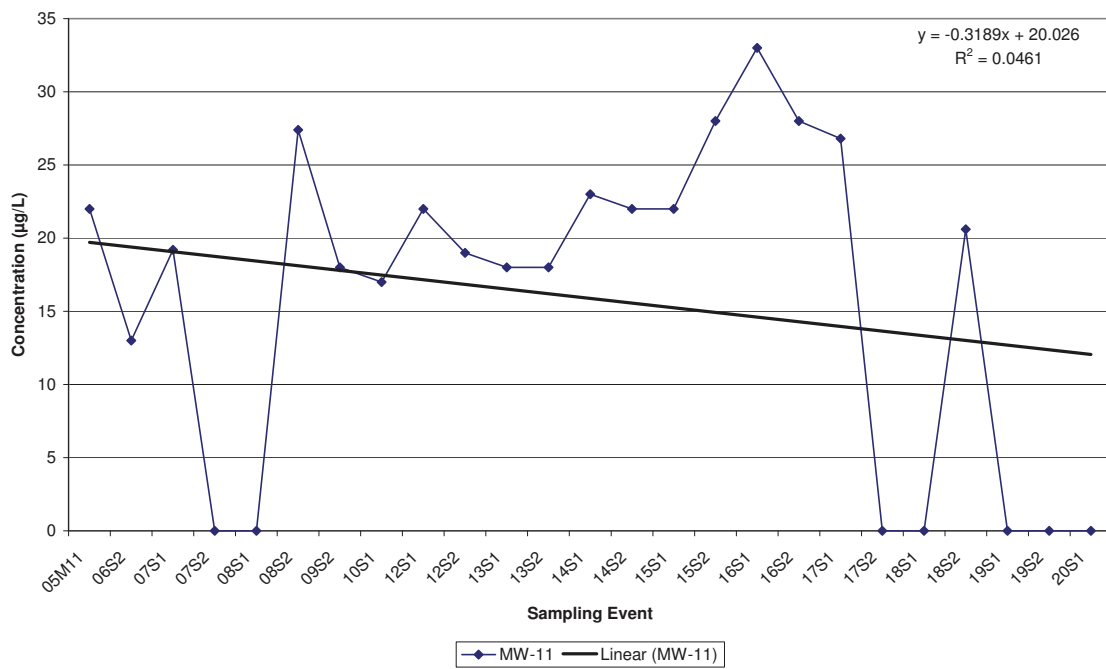
**Citrus County Central Landfill  
Historic Barium in MW-7**



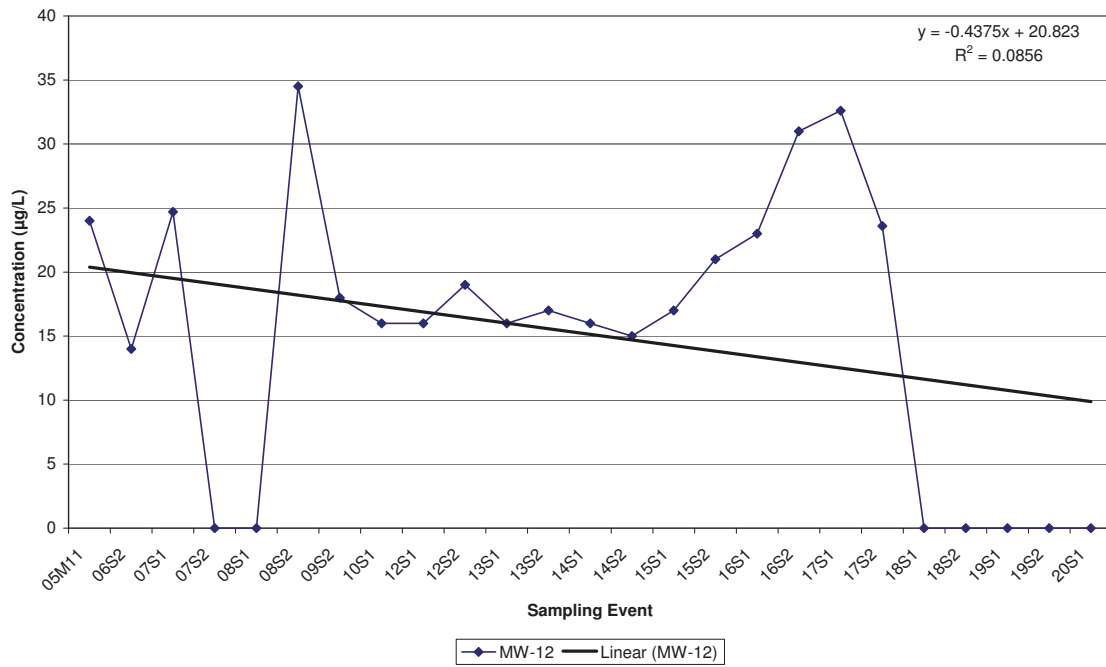
**Citrus County Central Landfill  
Historic Barium in MW-10**



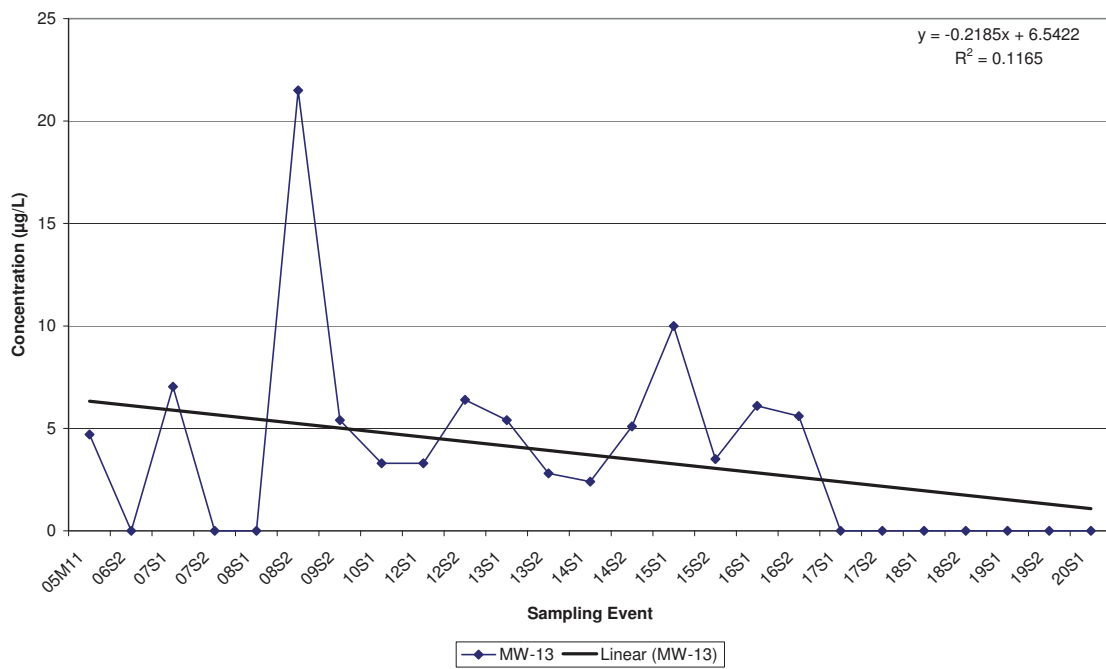
**Citrus County Central Landfill  
Historic Barium in MW-11**



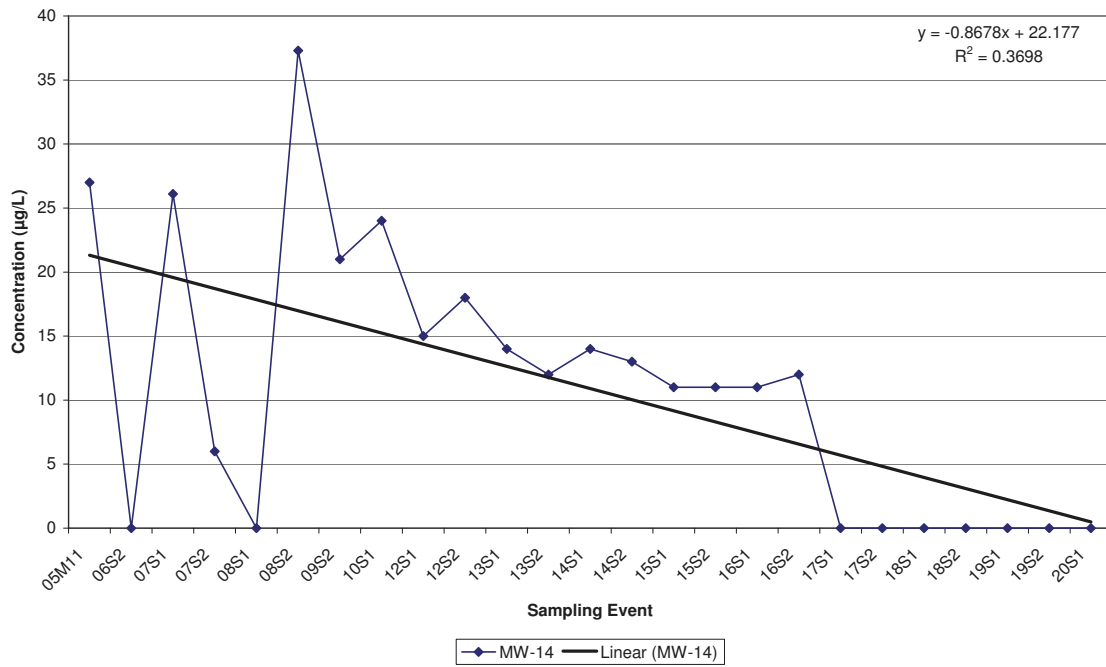
**Citrus County Central Landfill  
Historic Barium in MW-12**



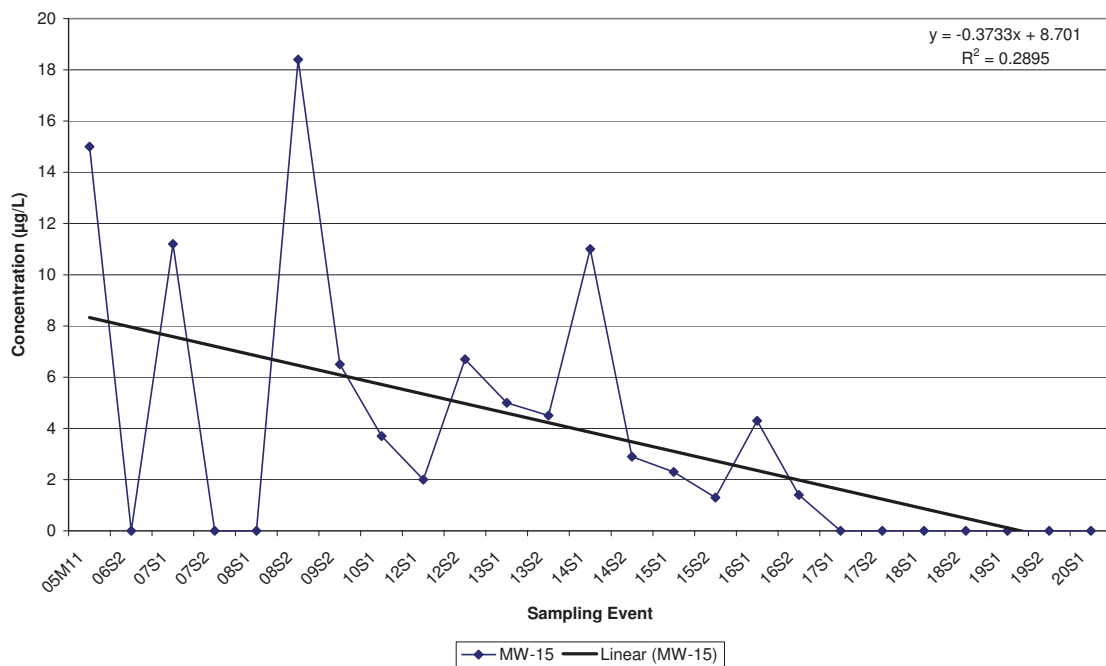
**Citrus County Central Landfill  
Historic Barium in MW-13**



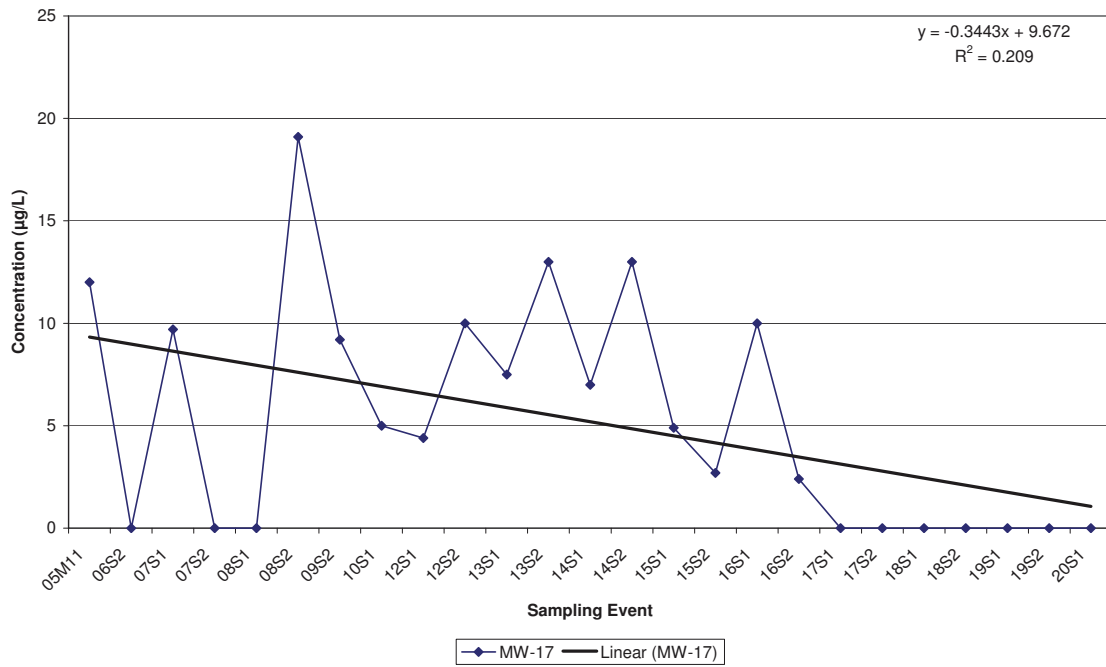
**Citrus County Central Landfill  
Historic Barium in MW-14**



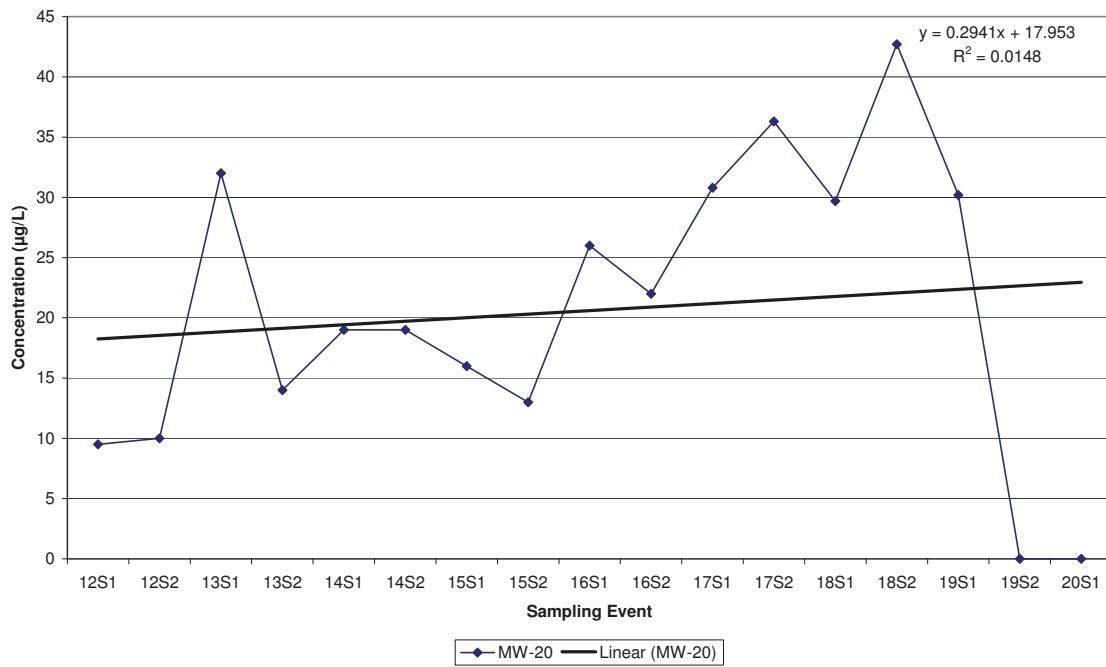
**Citrus County Central Landfill  
Historic Barium in MW-15**



**Citrus County Central Landfill  
Historic Barium in MW-17**

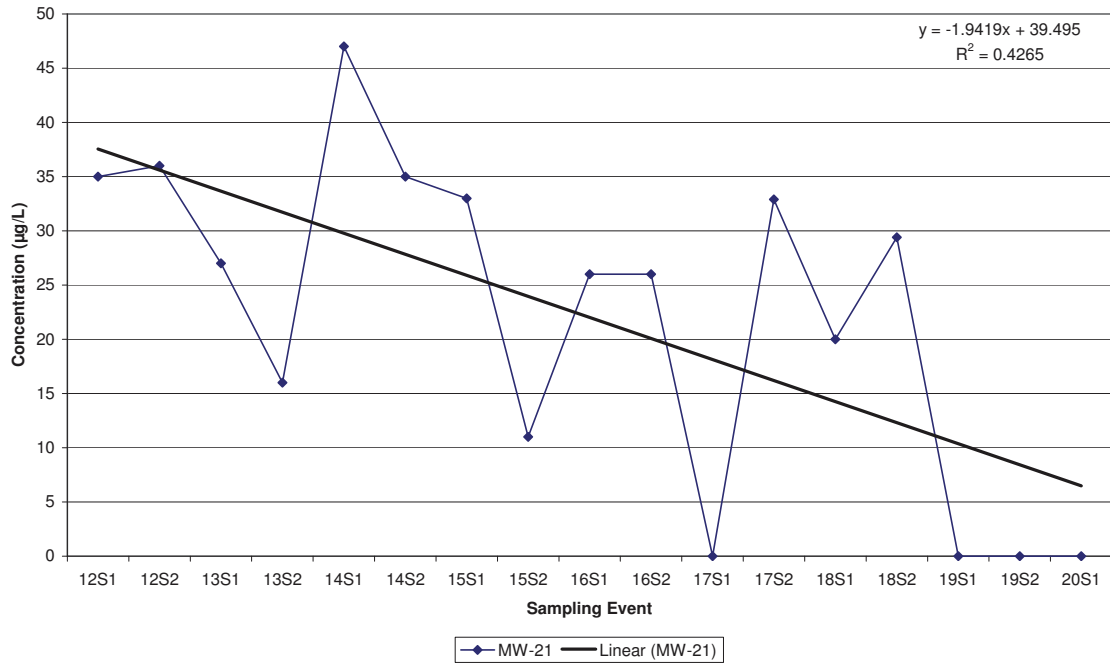


**Citrus County Central Landfill  
Historic Barium in MW-20**

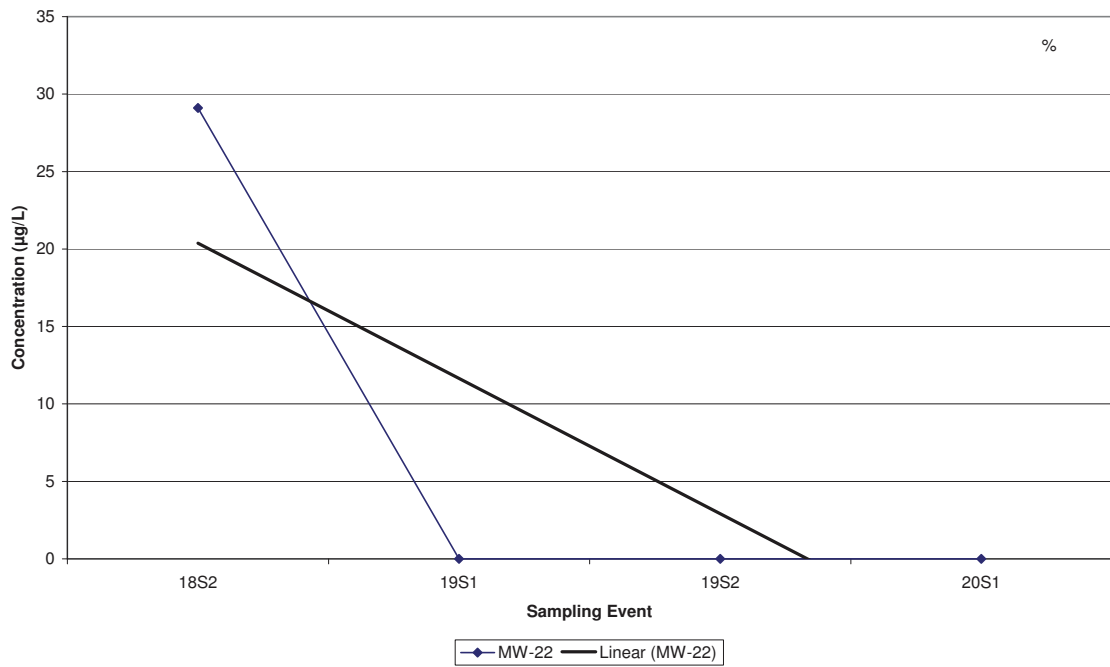




**Citrus County Central Landfill  
Historic Barium in MW-21**

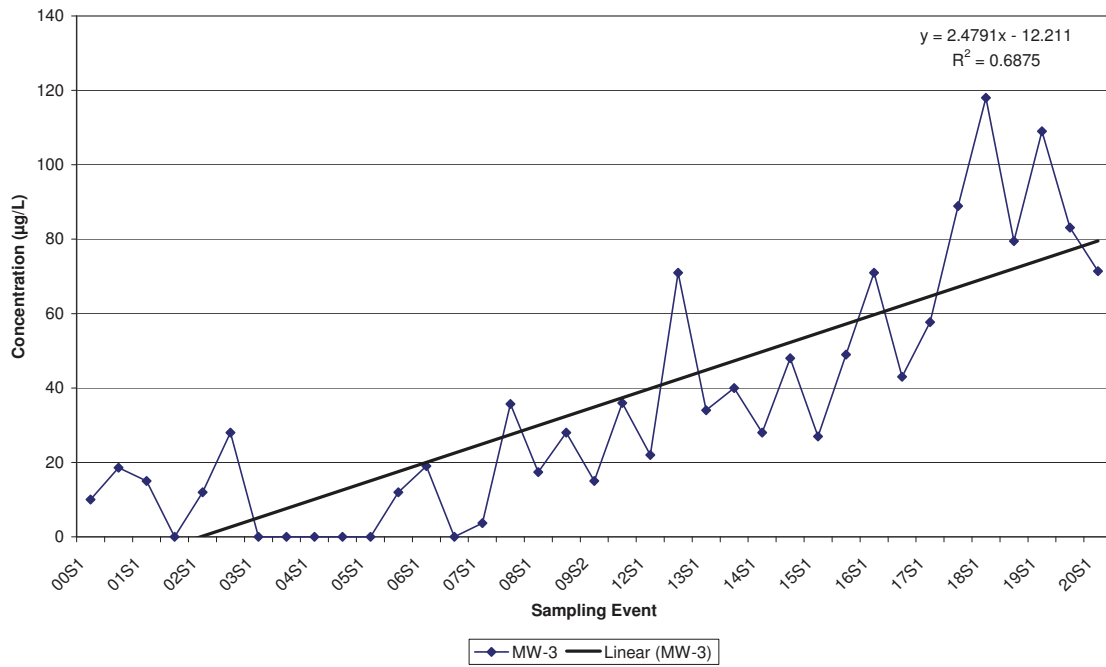


**Citrus County Central Landfill  
Historic Barium in MW-22**

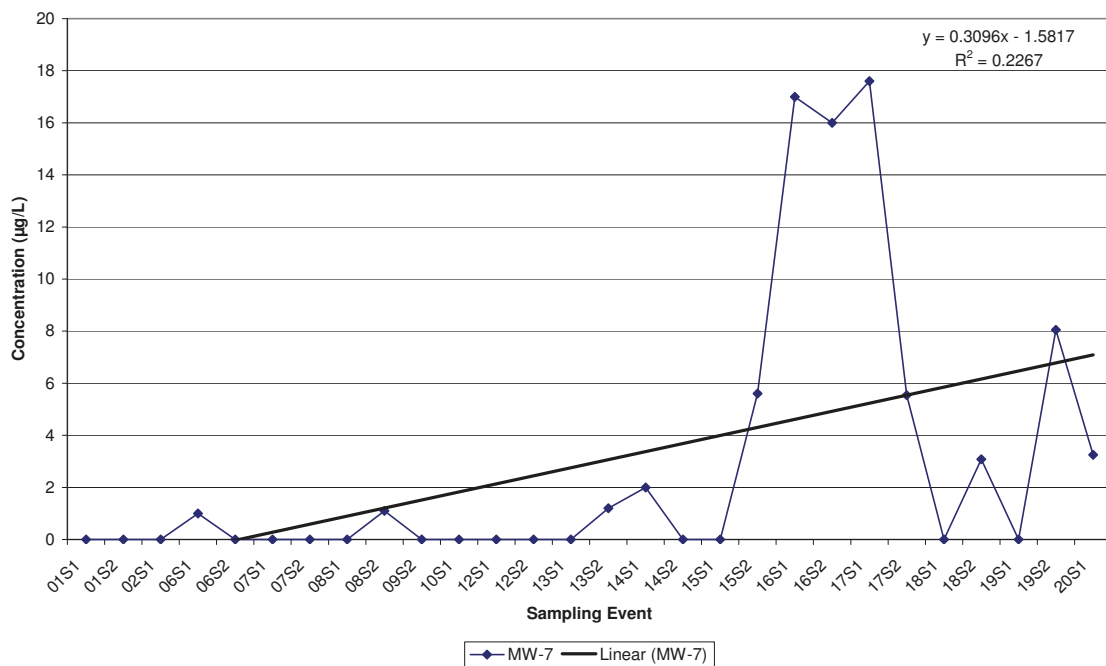


**Citrus County Central Landfill  
Historical Copper Data**

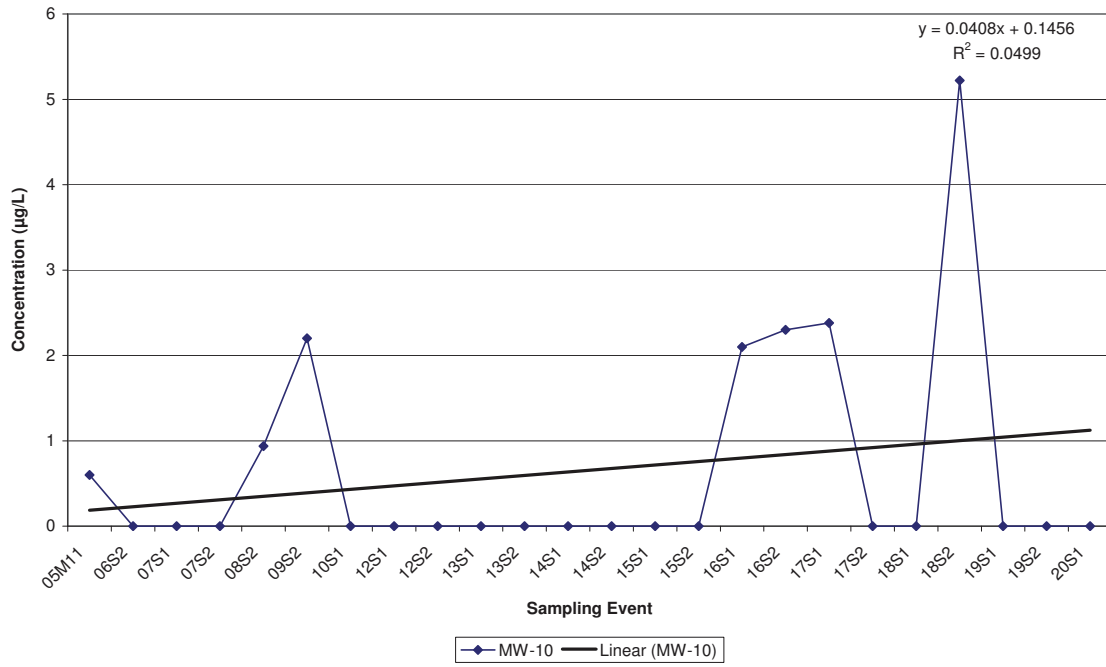
**Citrus County Central Landfill  
Historic Copper in MW-3**



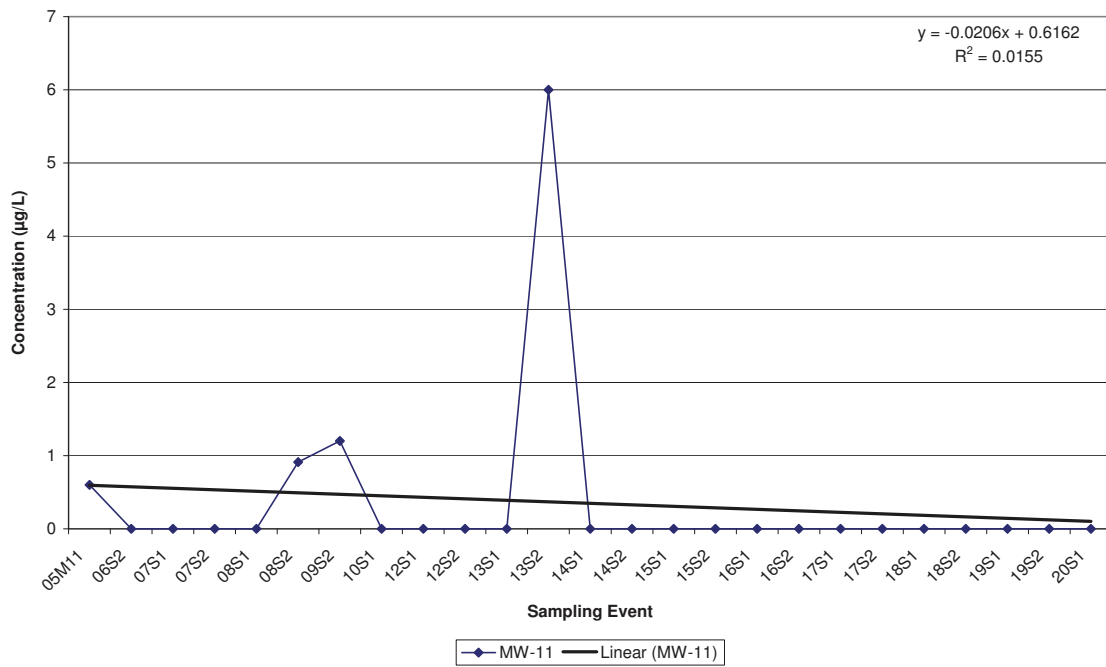
**Citrus County Central Landfill  
Historic Copper in MW-7**



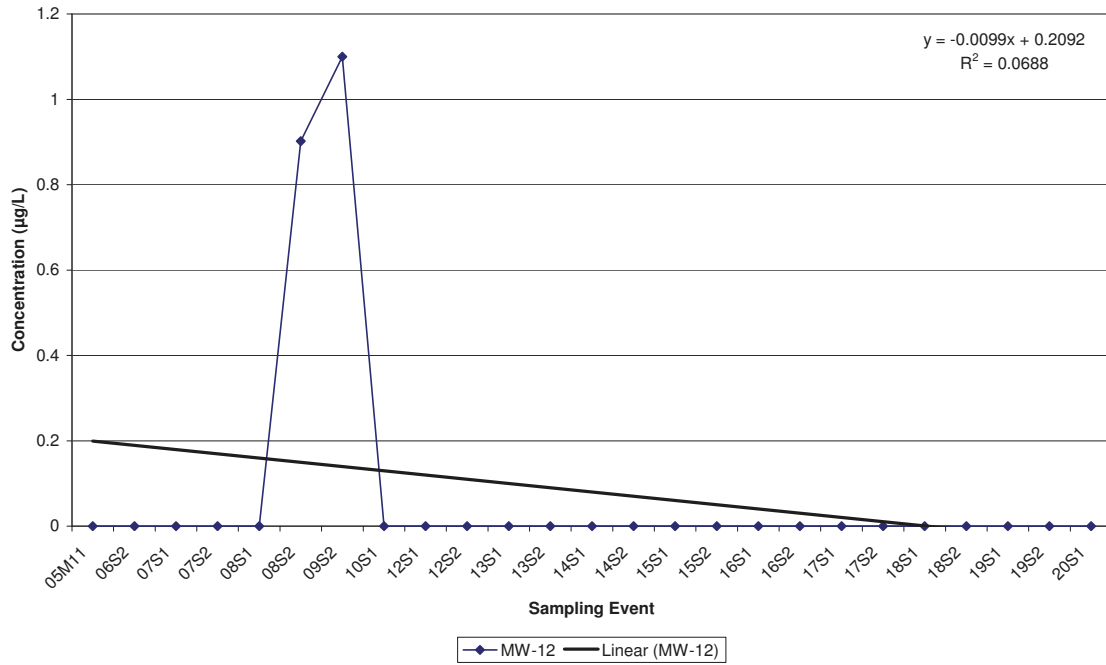
**Citrus County Central Landfill  
Historic Copper in MW-10**



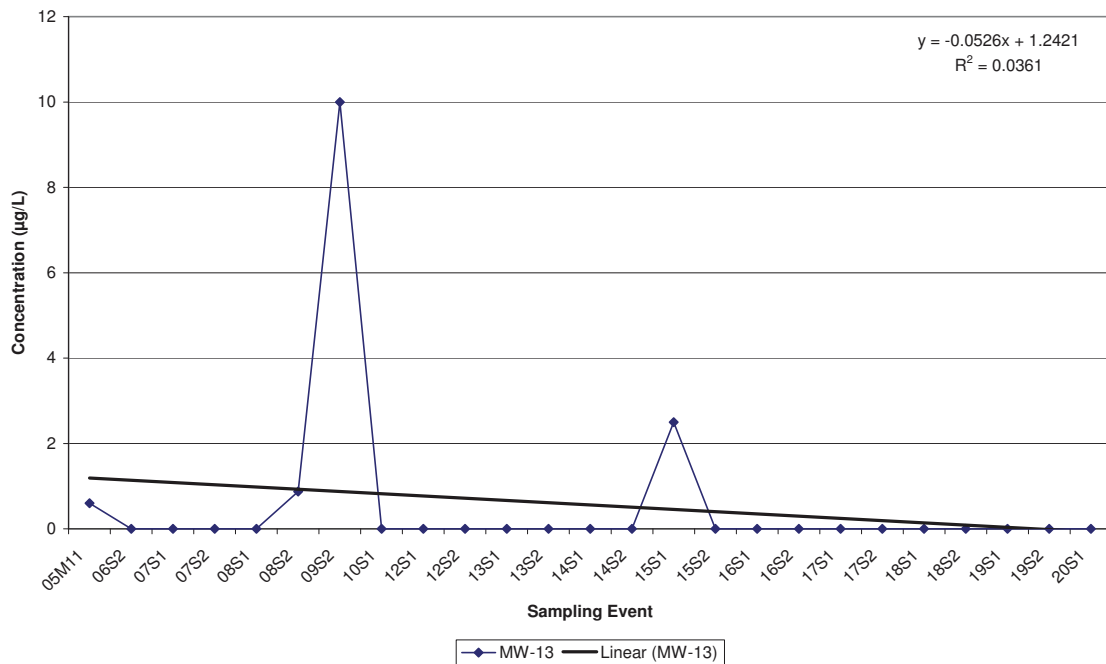
**Citrus County Central Landfill  
Historic Copper in MW-11**



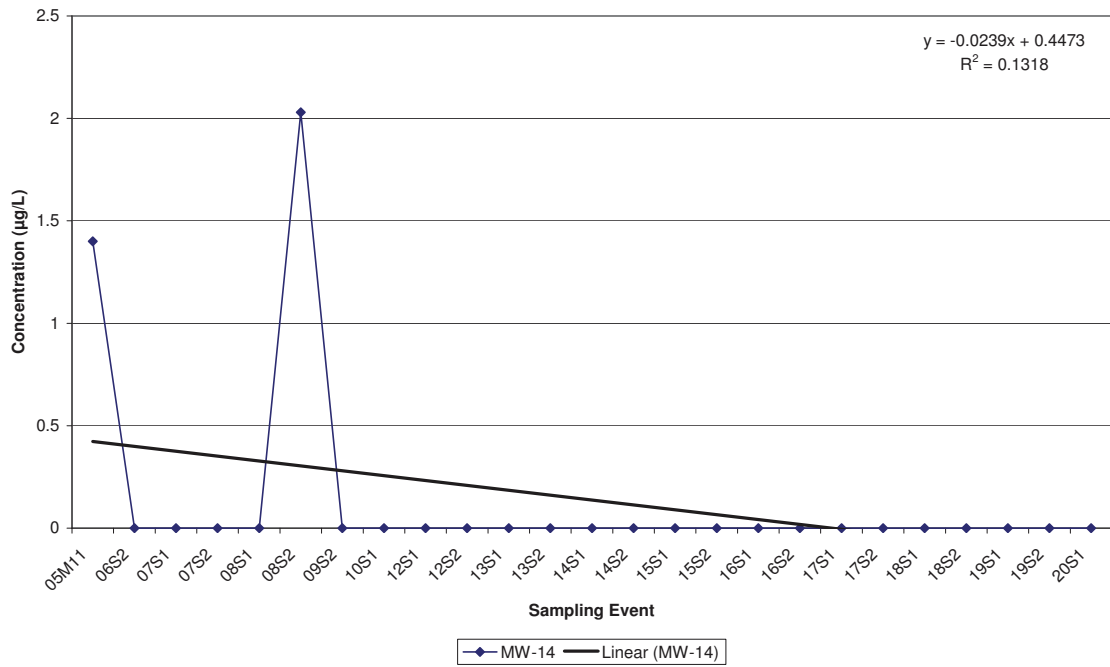
Citrus County Central Landfill  
Historic Copper in MW-12



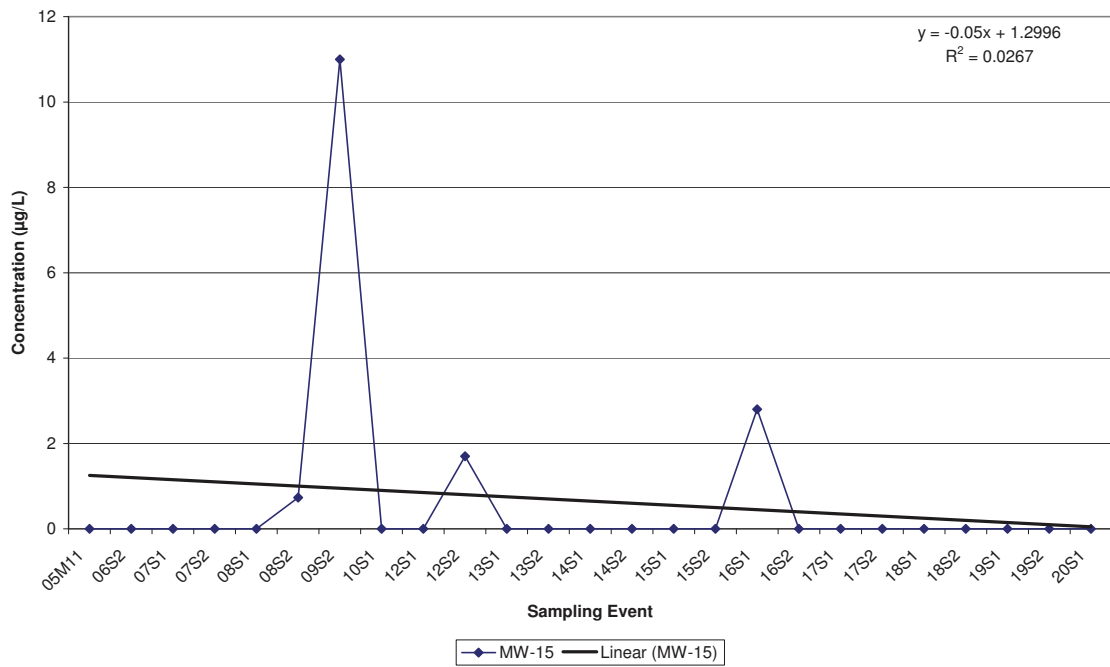
Citrus County Central Landfill  
Historic Copper in MW-13



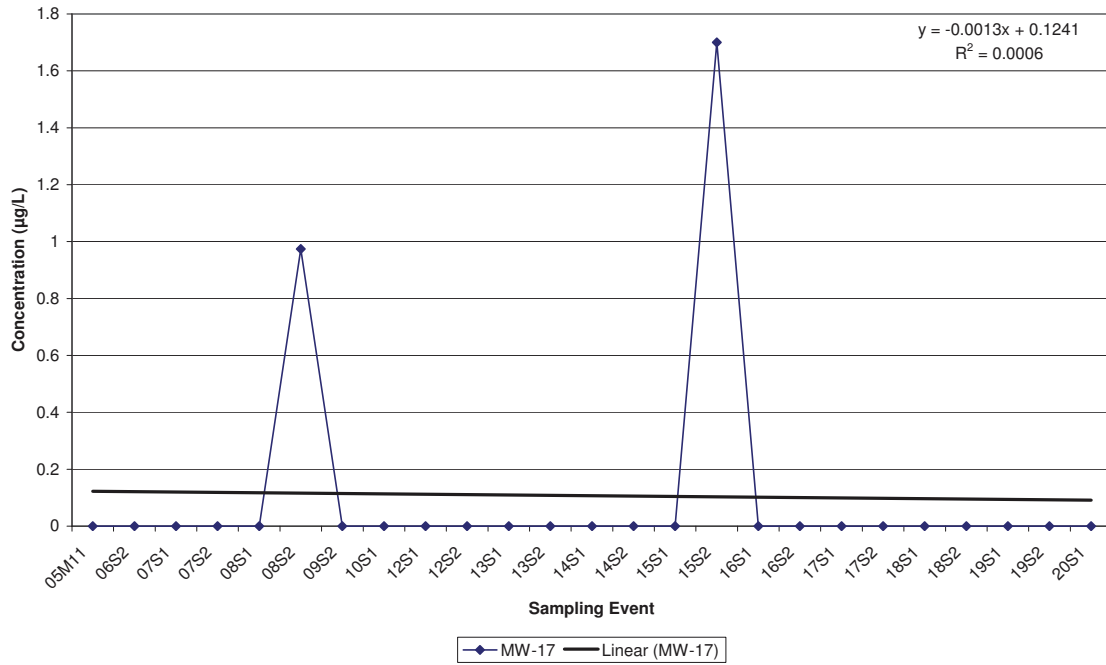
Citrus County Central Landfill  
Historic Copper in MW-14



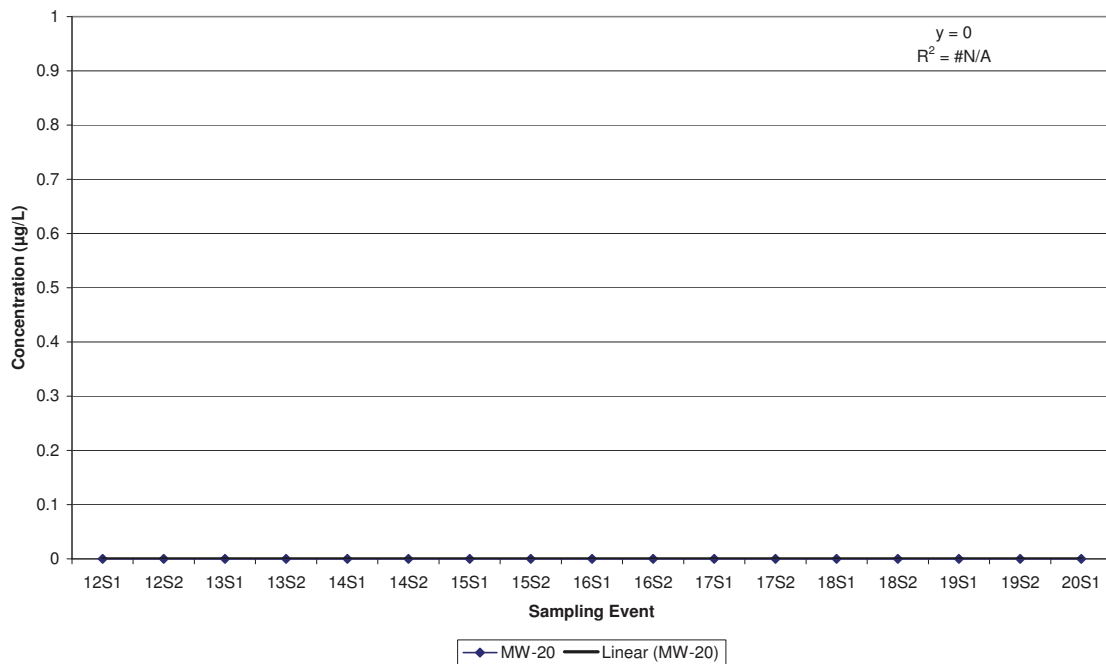
Citrus County Central Landfill  
Historic Copper in MW-15



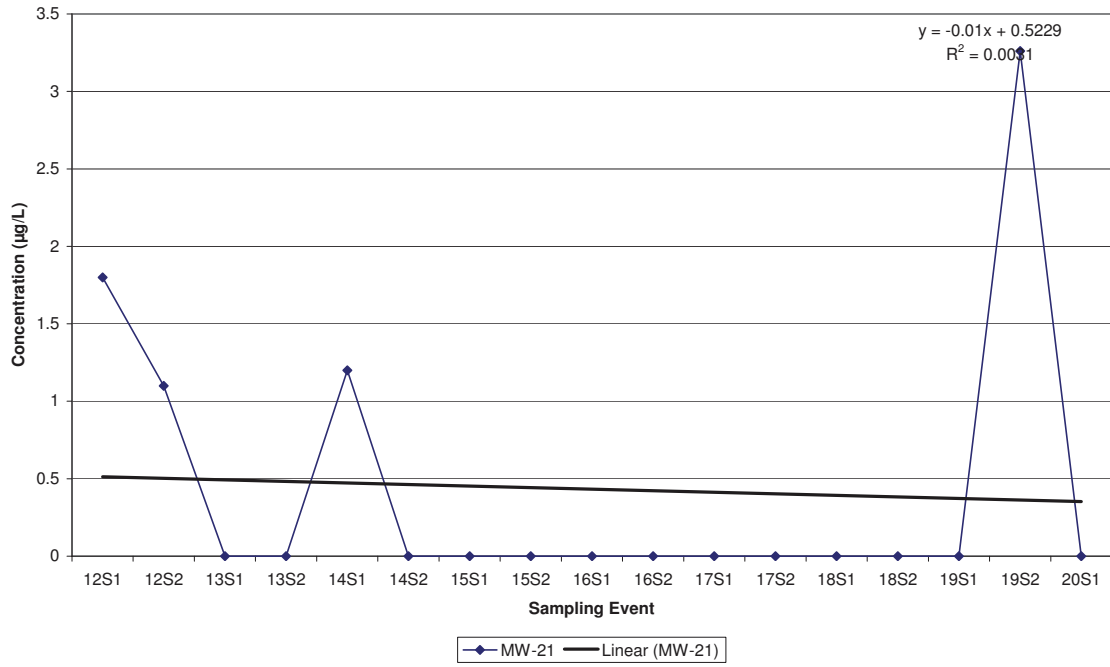
Citrus County Central Landfill  
Historic Copper in MW-17



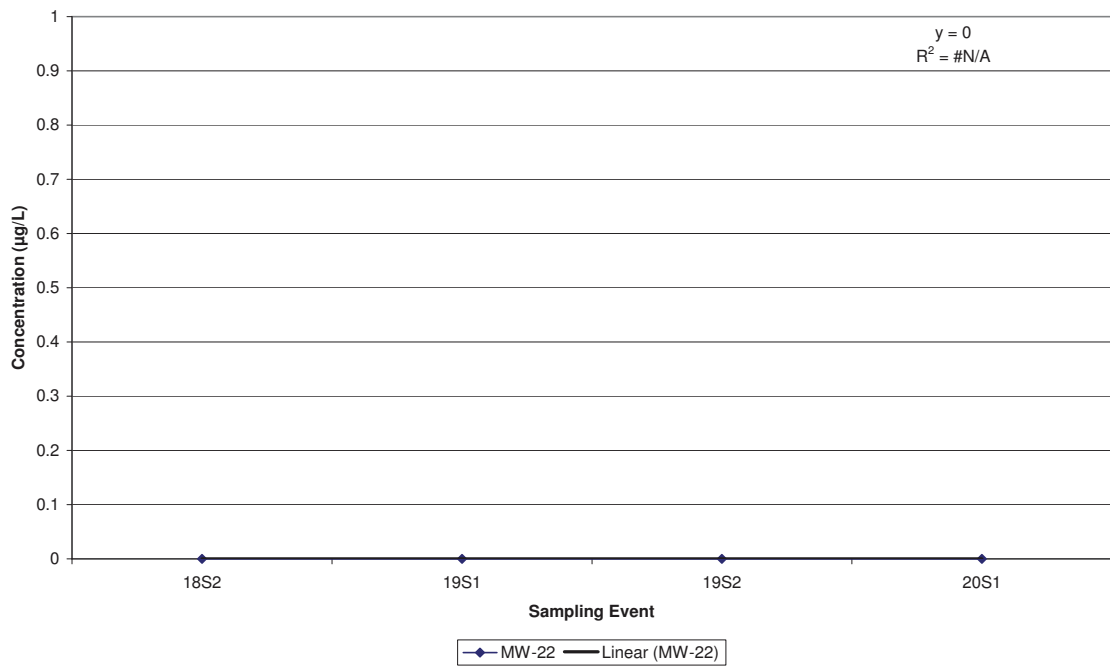
Citrus County Central Landfill  
Historic Copper in MW-20



Citrus County Central Landfill  
Historic Copper in MW-21



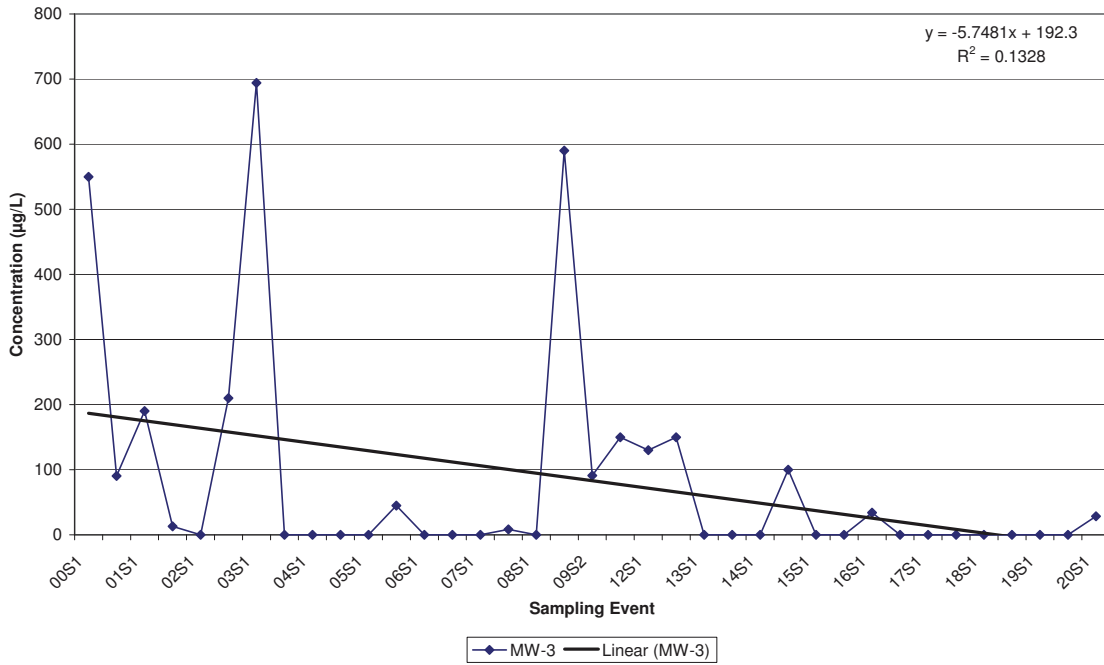
Citrus County Central Landfill  
Historic Copper in MW-22



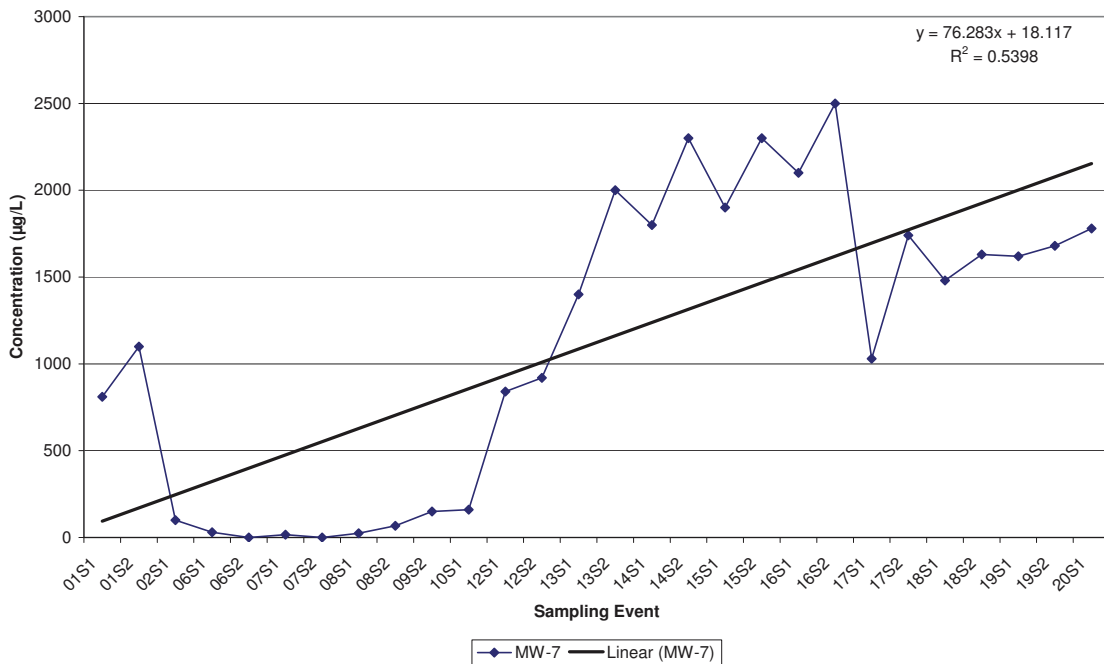


**Citrus County Central Landfill  
Historical Iron Data**

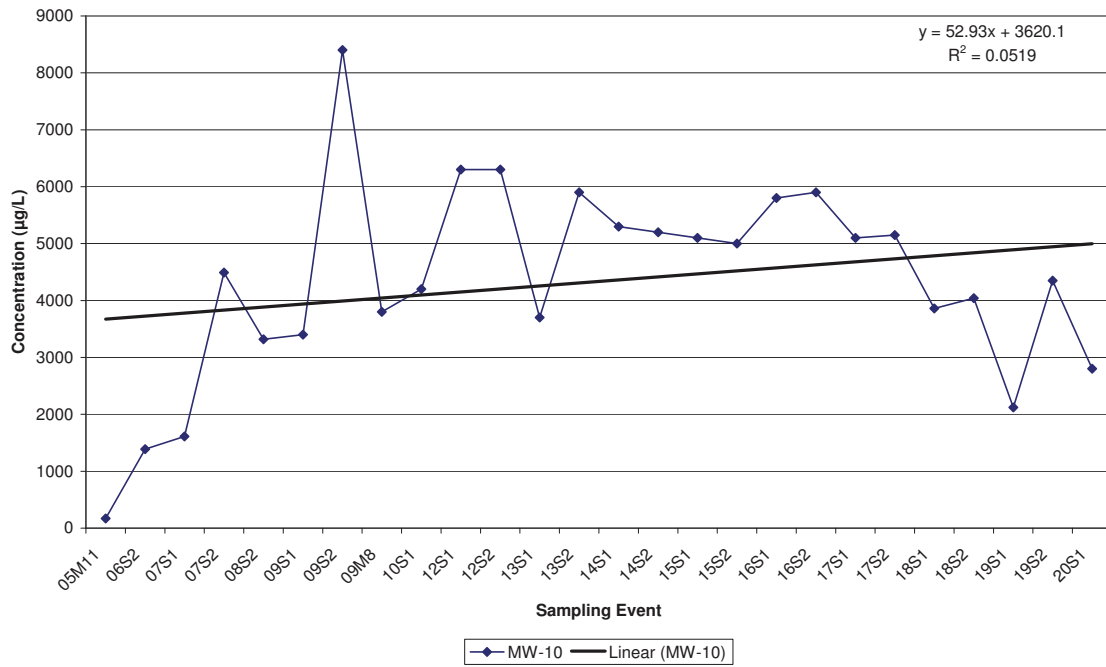
**Citrus County Central Landfill  
Historic Iron in MW-3**



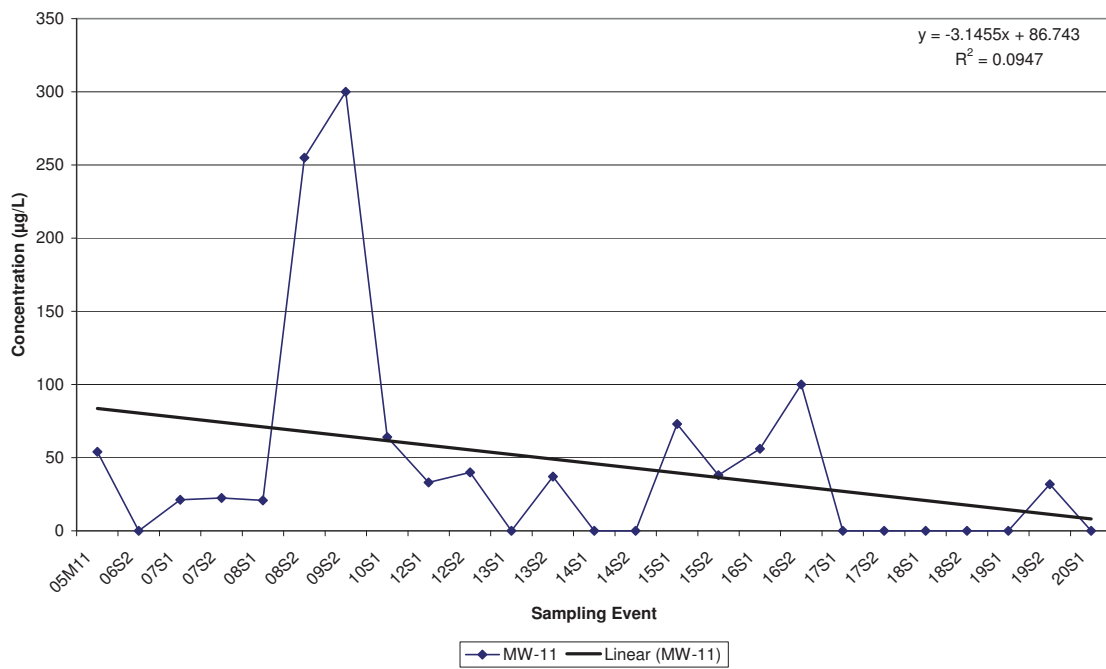
**Citrus County Central Landfill  
Historic Iron in MW-7**



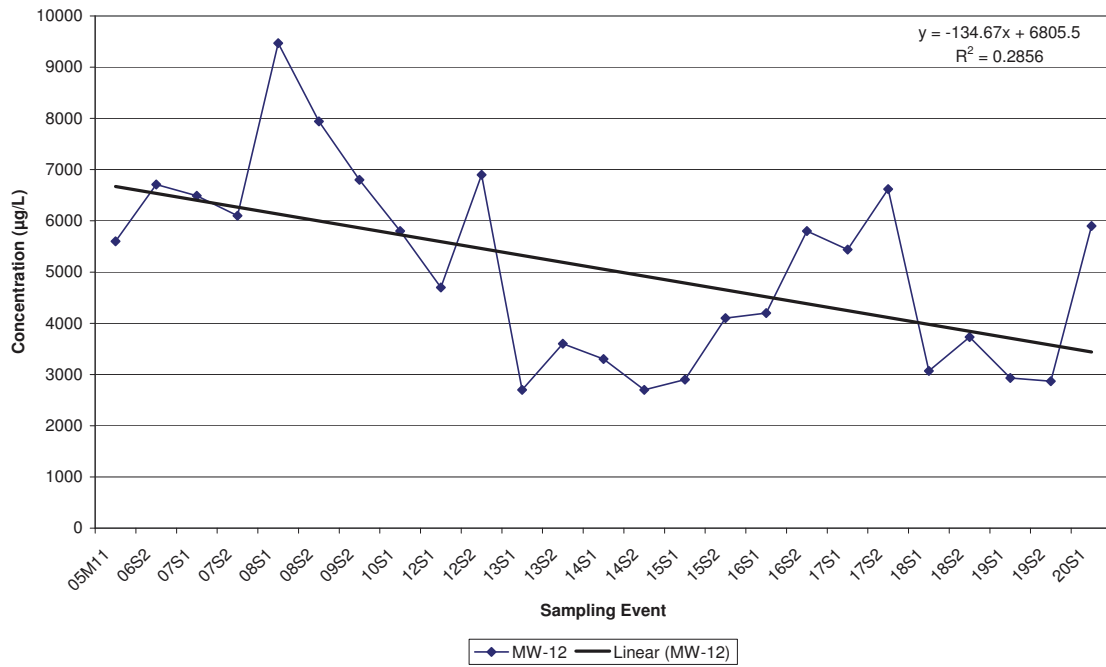
**Citrus County Central Landfill  
Historic Iron in MW-10**



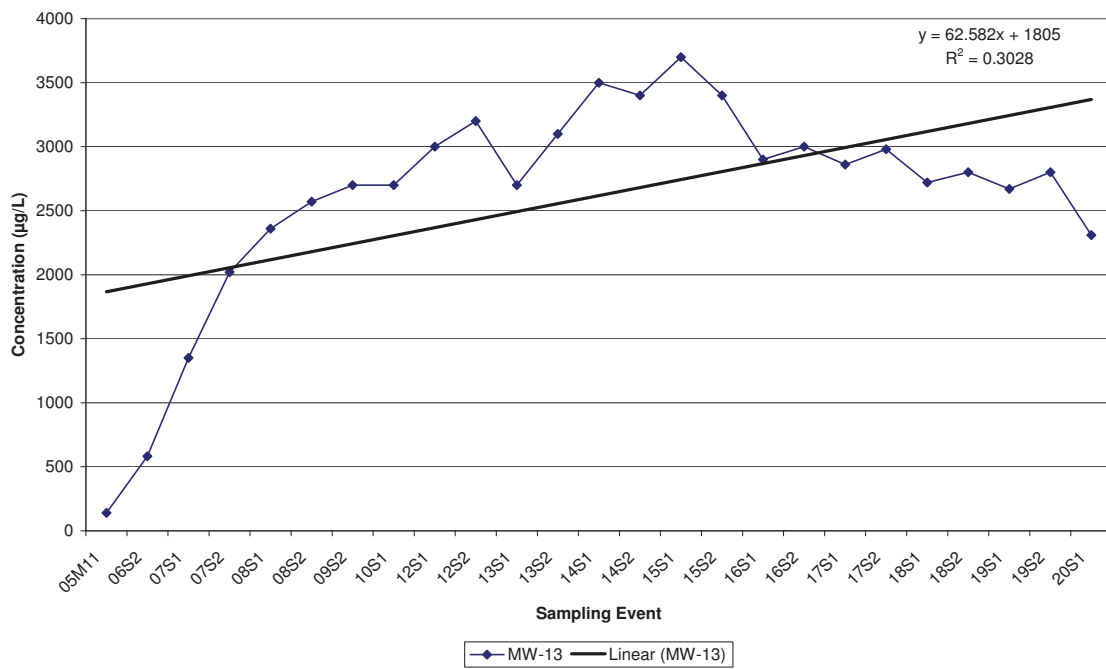
**Citrus County Central Landfill  
Historic Iron in MW-11**



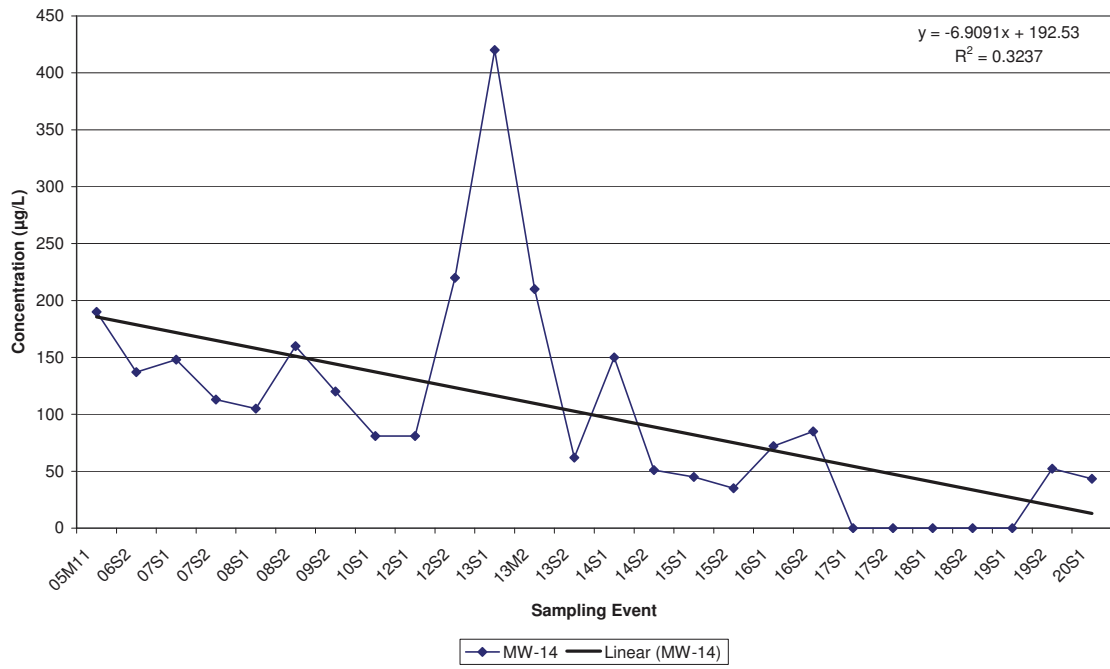
**Citrus County Central Landfill  
Historic Iron in MW-12**



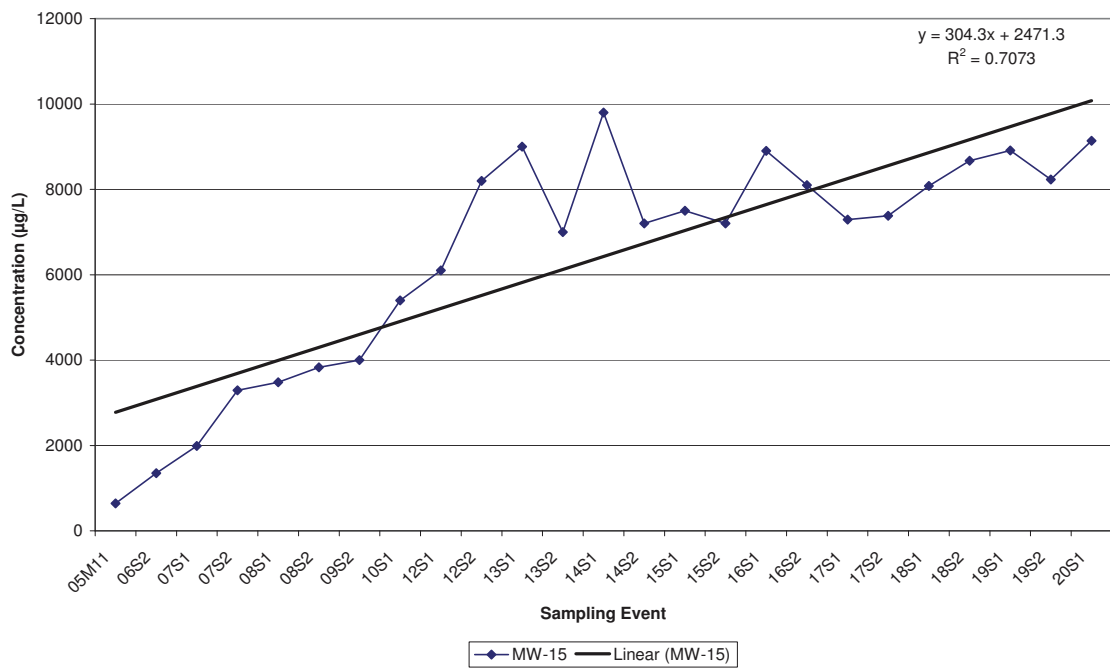
**Citrus County Central Landfill  
Historic Iron in MW-13**



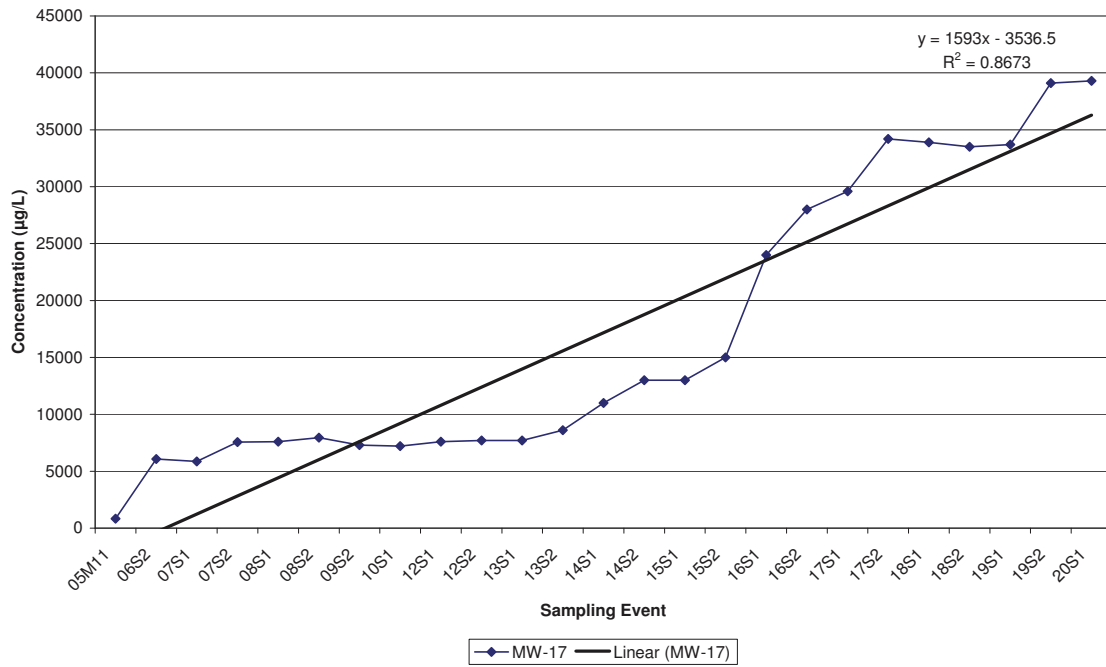
**Citrus County Central Landfill  
Historic Iron in MW-14**



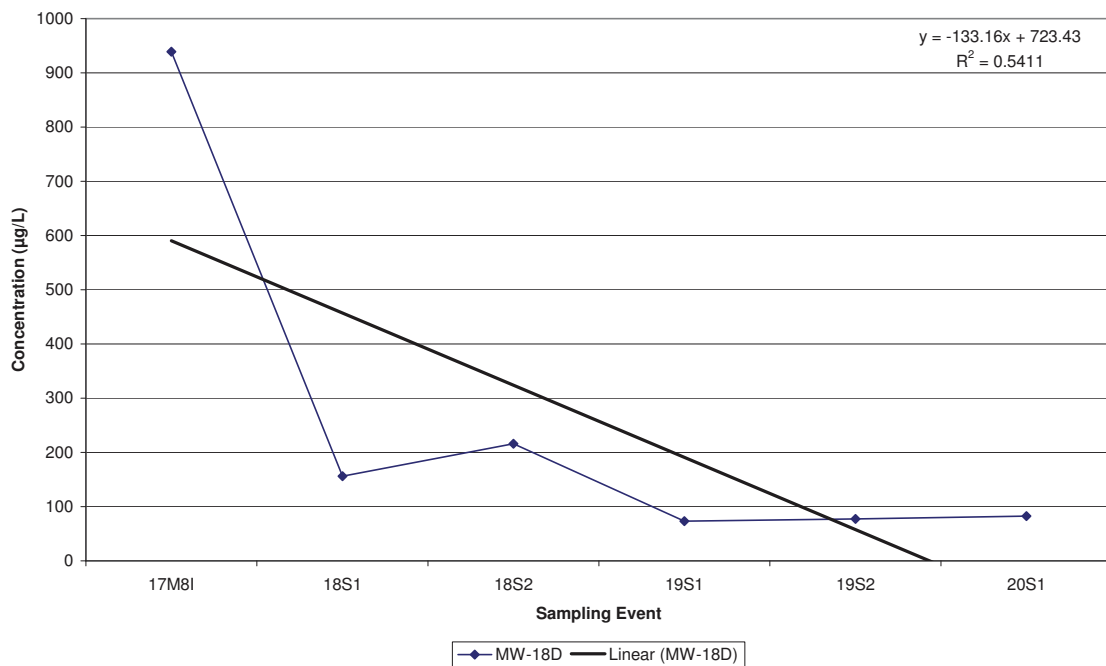
**Citrus County Central Landfill  
Historic Iron in MW-15**



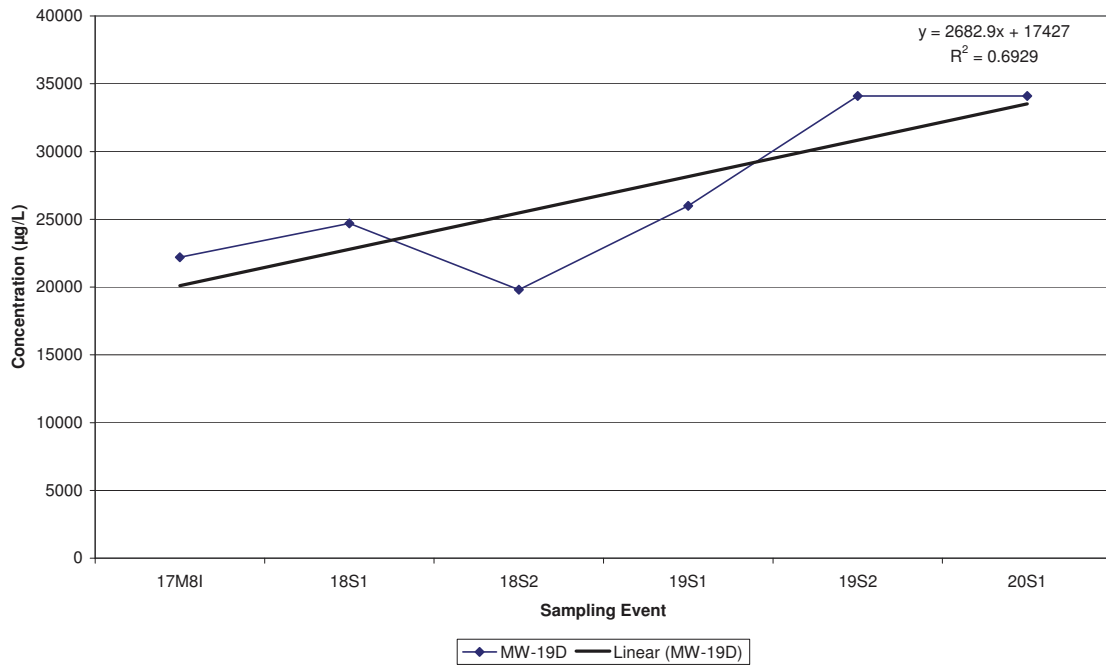
**Citrus County Central Landfill  
Historic Iron in MW-17**



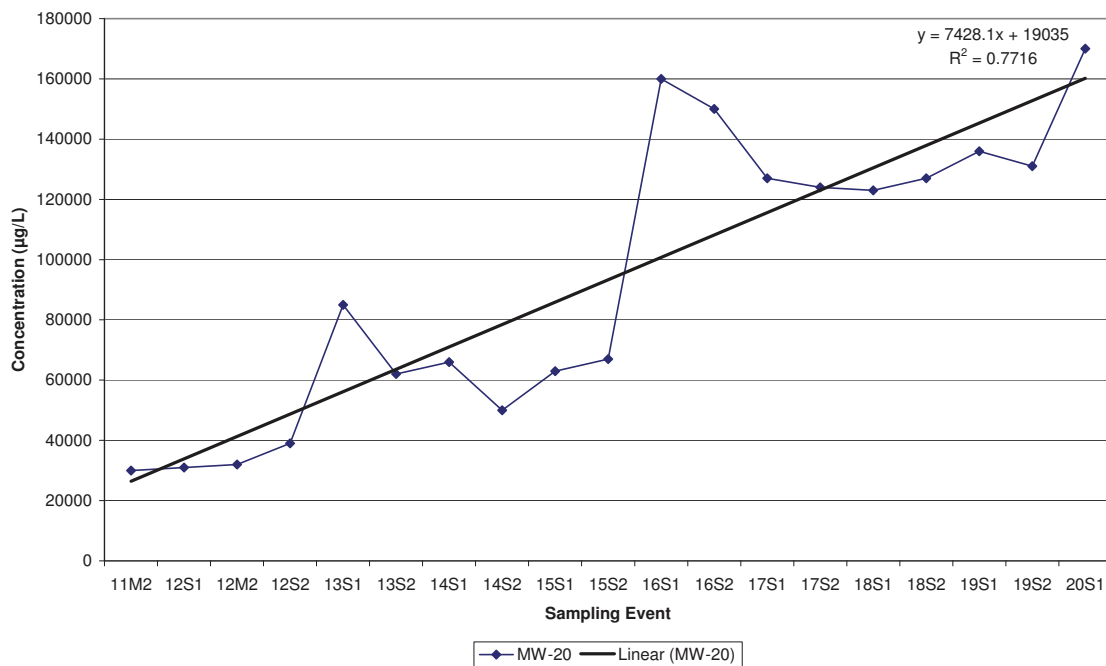
**Citrus County Central Landfill  
Historic Iron in MW-18D**



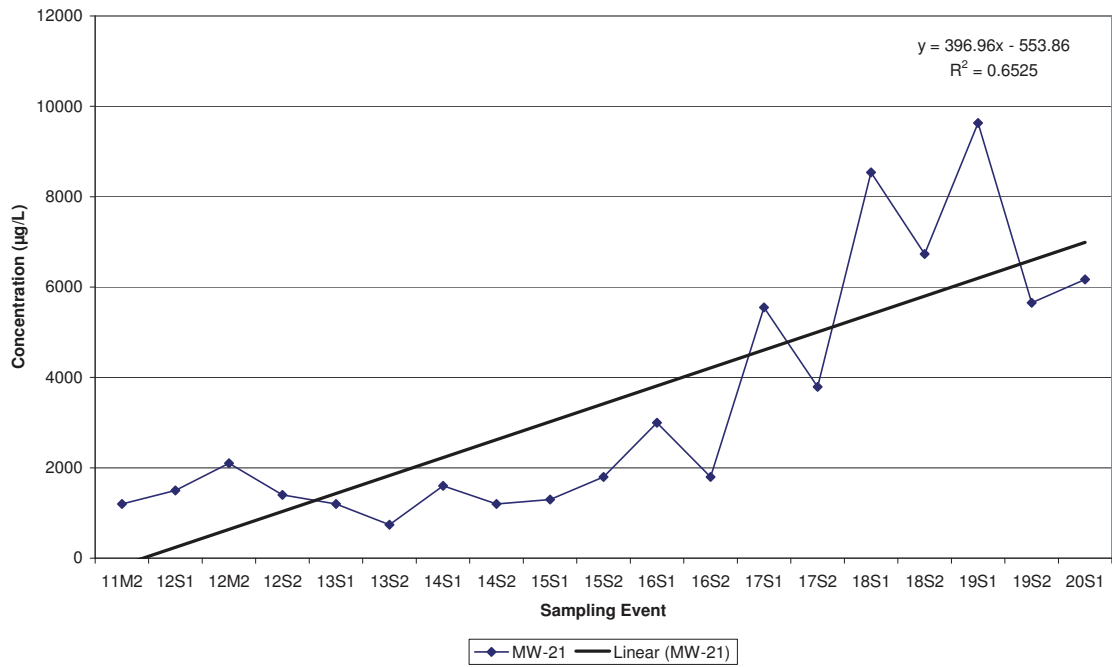
**Citrus County Central Landfill  
Historic Iron in MW-19D**



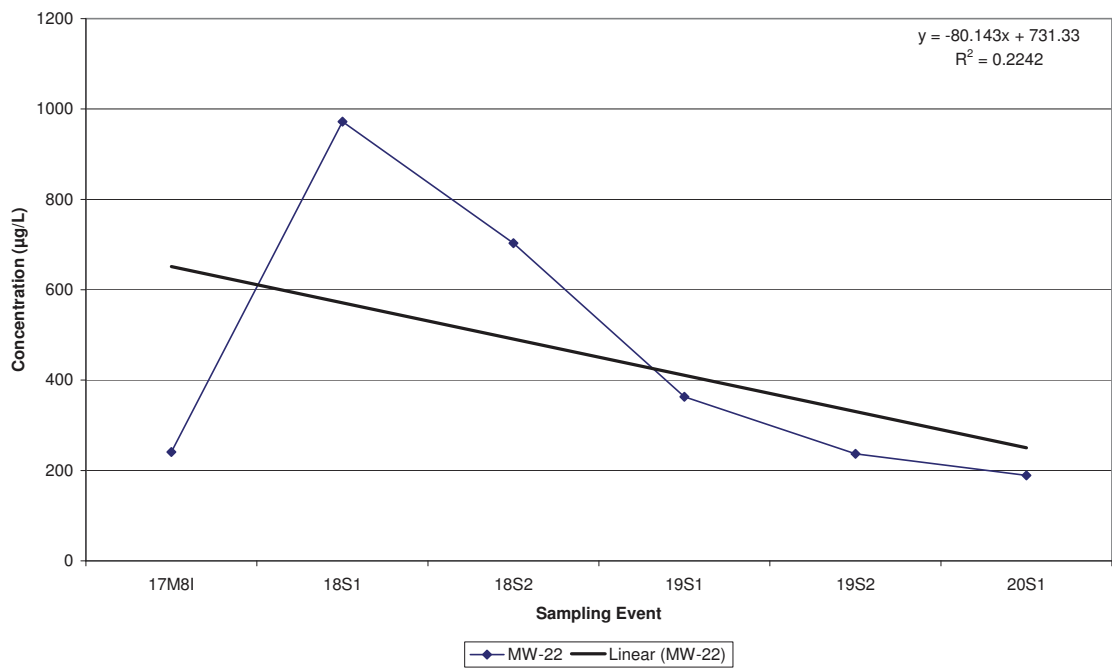
**Citrus County Central Landfill  
Historic Iron in MW-20**



**Citrus County Central Landfill  
Historic Iron in MW-21**



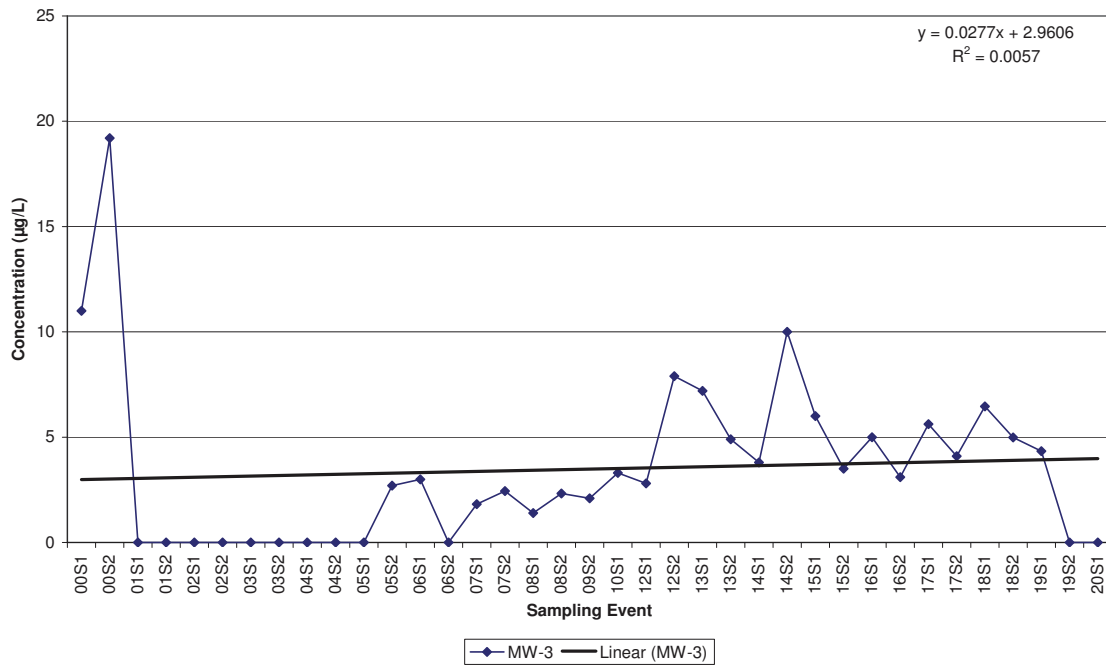
**Citrus County Central Landfill  
Historic Iron in MW-22**



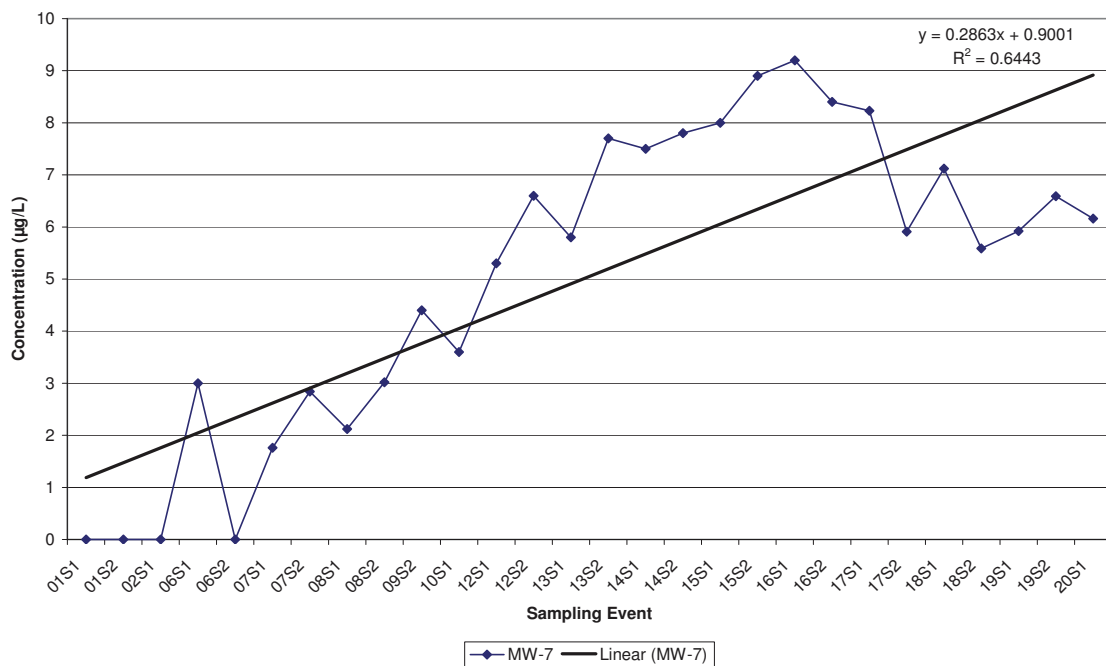


**Citrus County Central Landfill  
Historical Nickel Data**

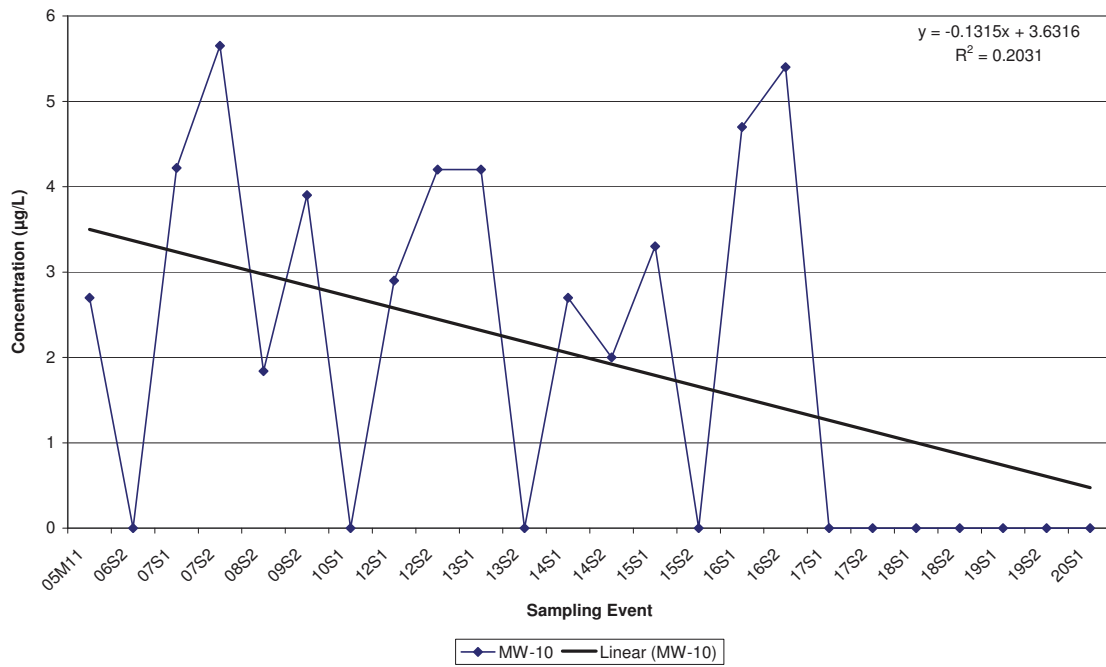
**Citrus County Central Landfill  
Historic Nickel in MW-3**



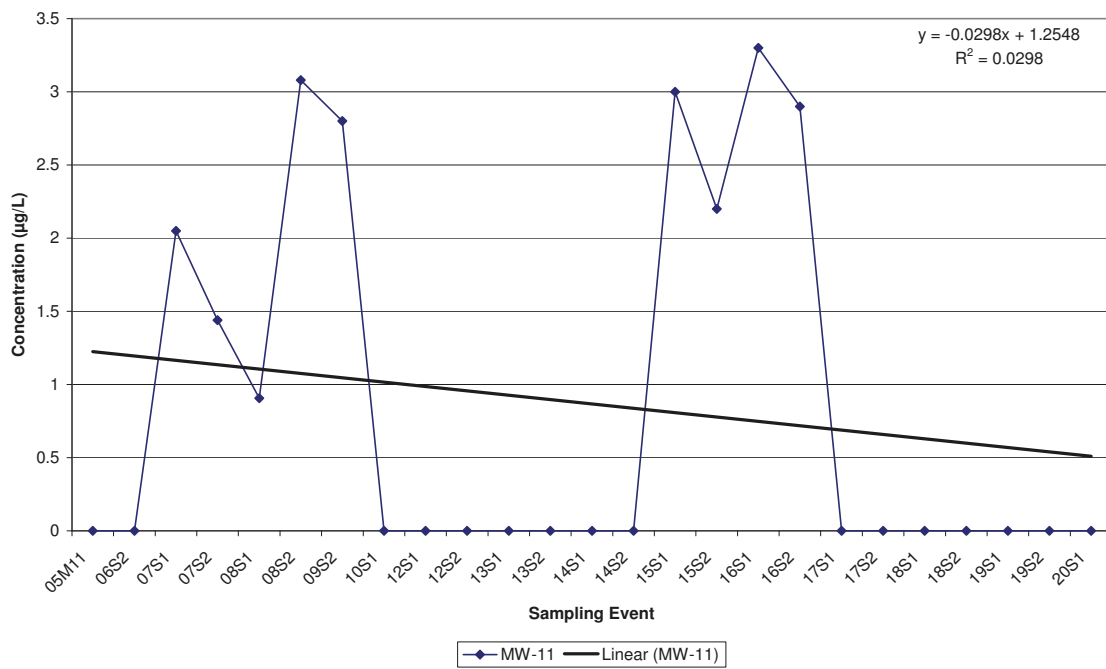
**Citrus County Central Landfill  
Historic Nickel in MW-7**



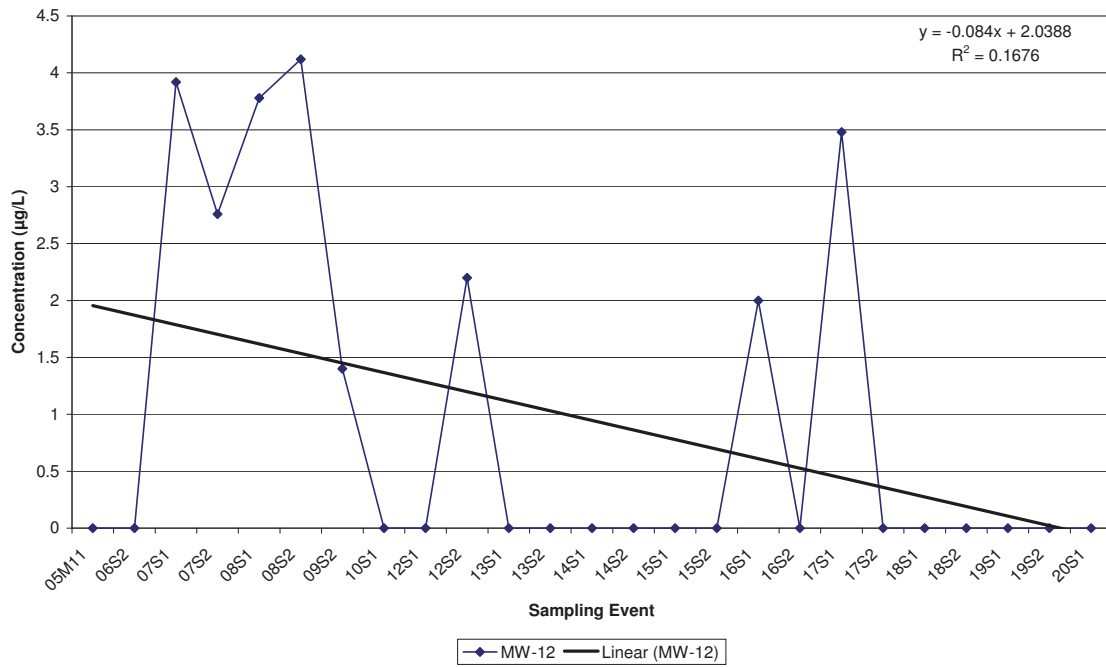
Citrus County Central Landfill  
Historic Nickel in MW-10



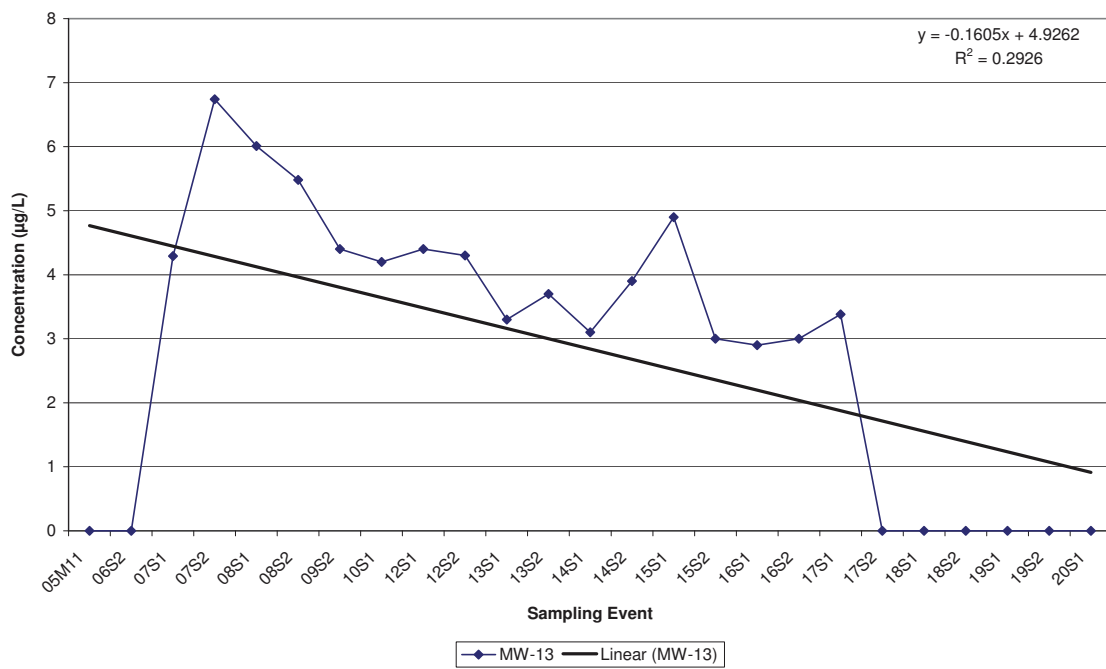
Citrus County Central Landfill  
Historic Nickel in MW-11



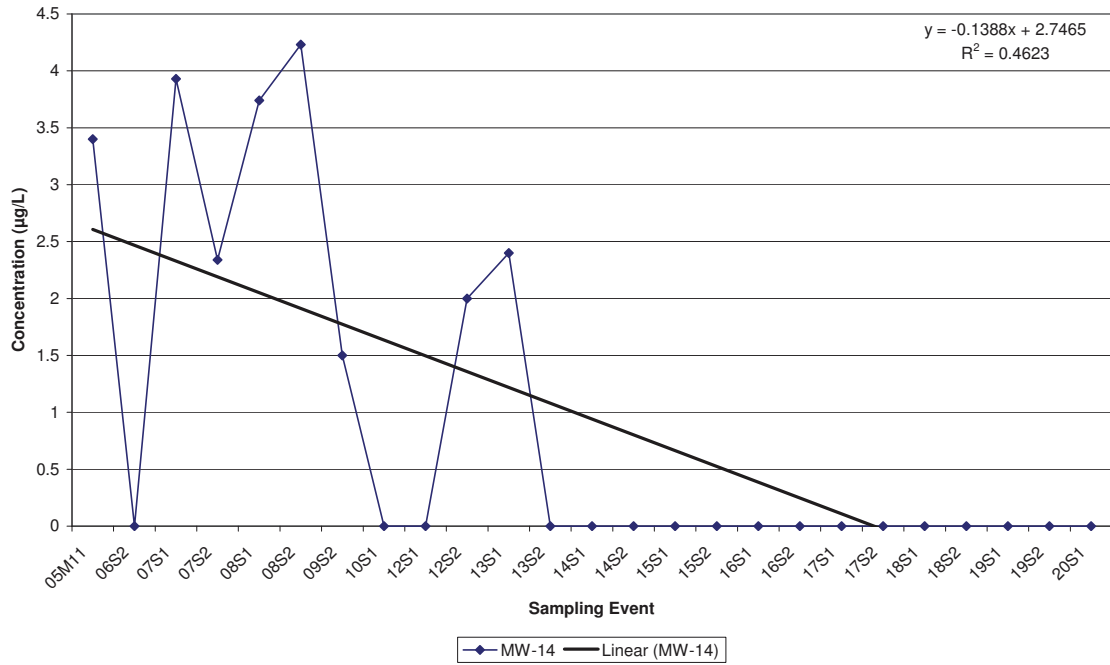
**Citrus County Central Landfill  
Historic Nickel in MW-12**



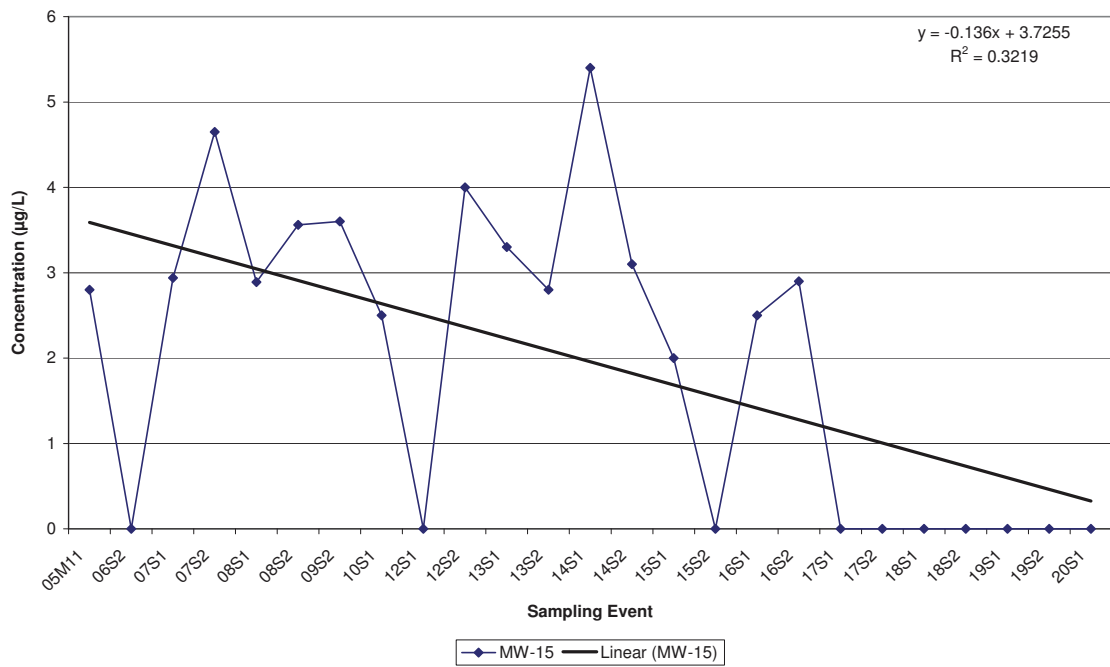
**Citrus County Central Landfill  
Historic Nickel in MW-13**



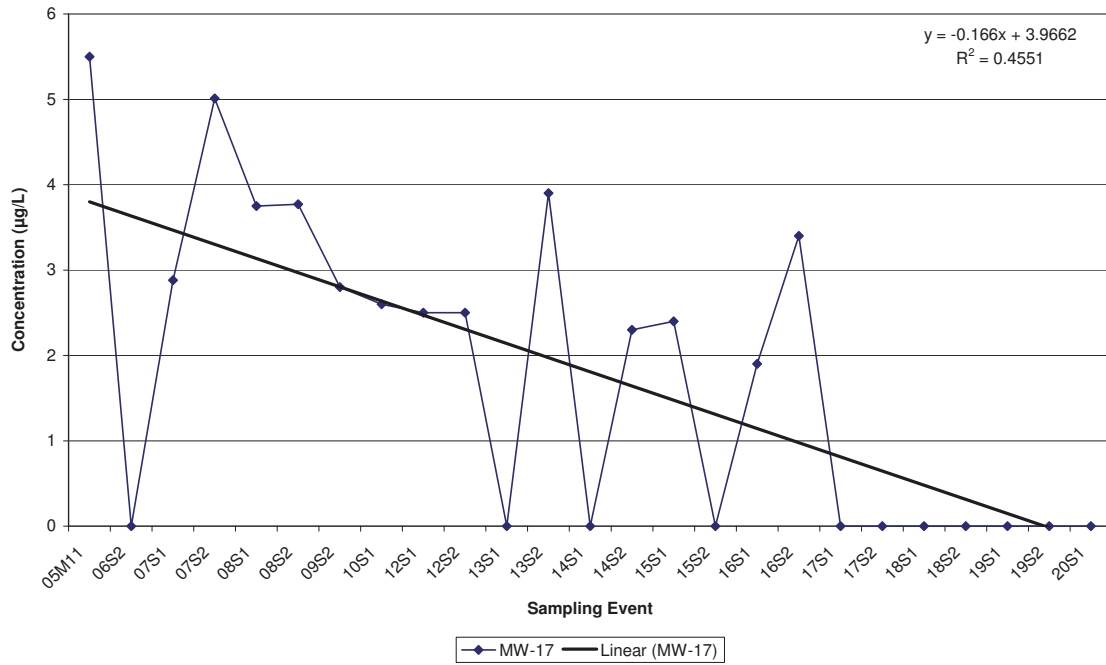
**Citrus County Central Landfill  
Historic Nickel in MW-14**



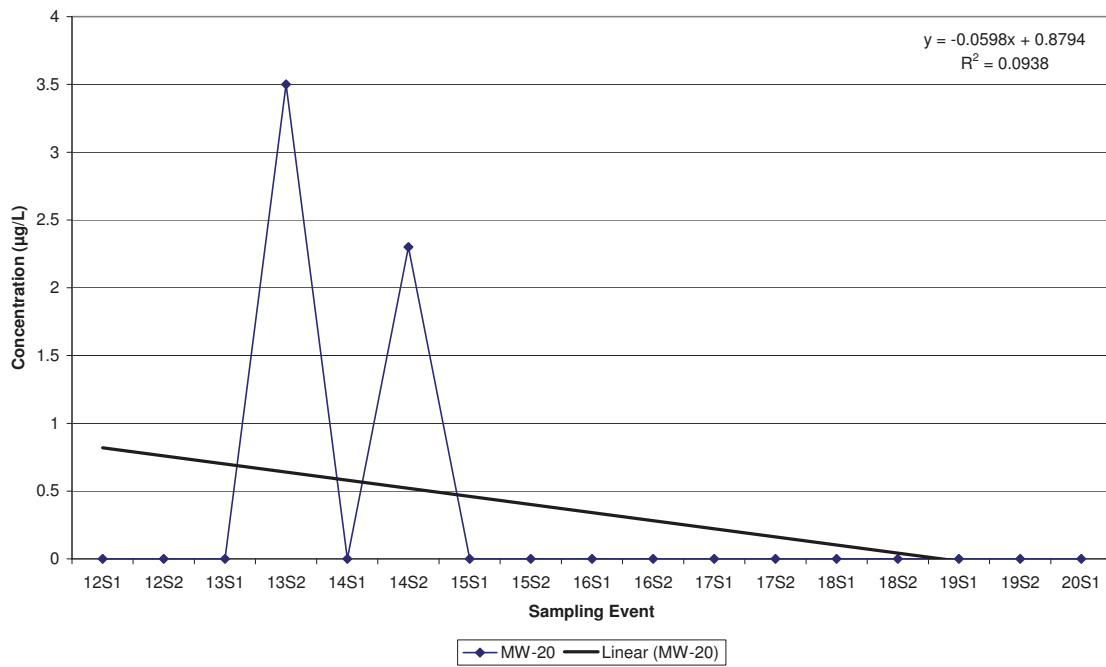
**Citrus County Central Landfill  
Historic Nickel in MW-15**



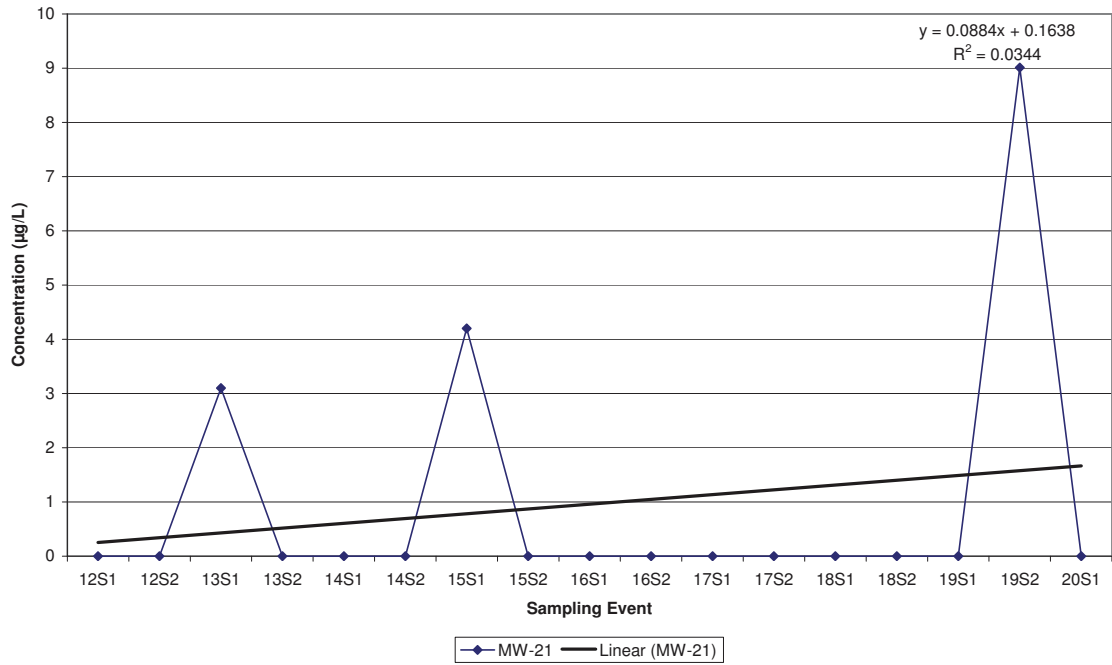
**Citrus County Central Landfill  
Historic Nickel in MW-17**



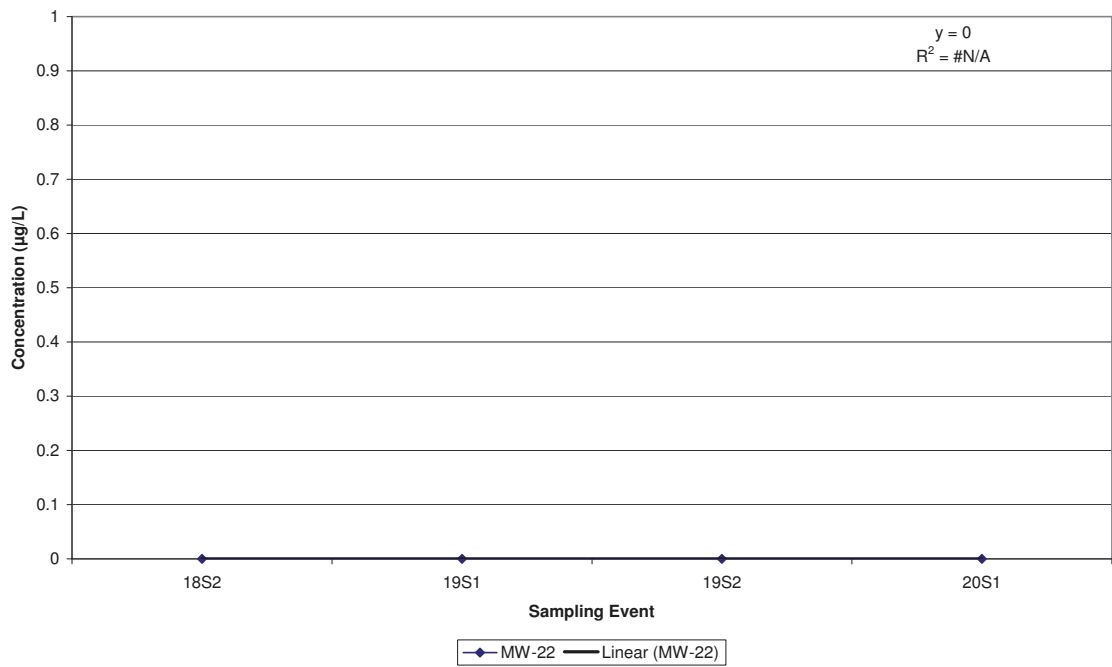
**Citrus County Central Landfill  
Historic Nickel in MW-20**



Citrus County Central Landfill  
Historic Nickel in MW-21



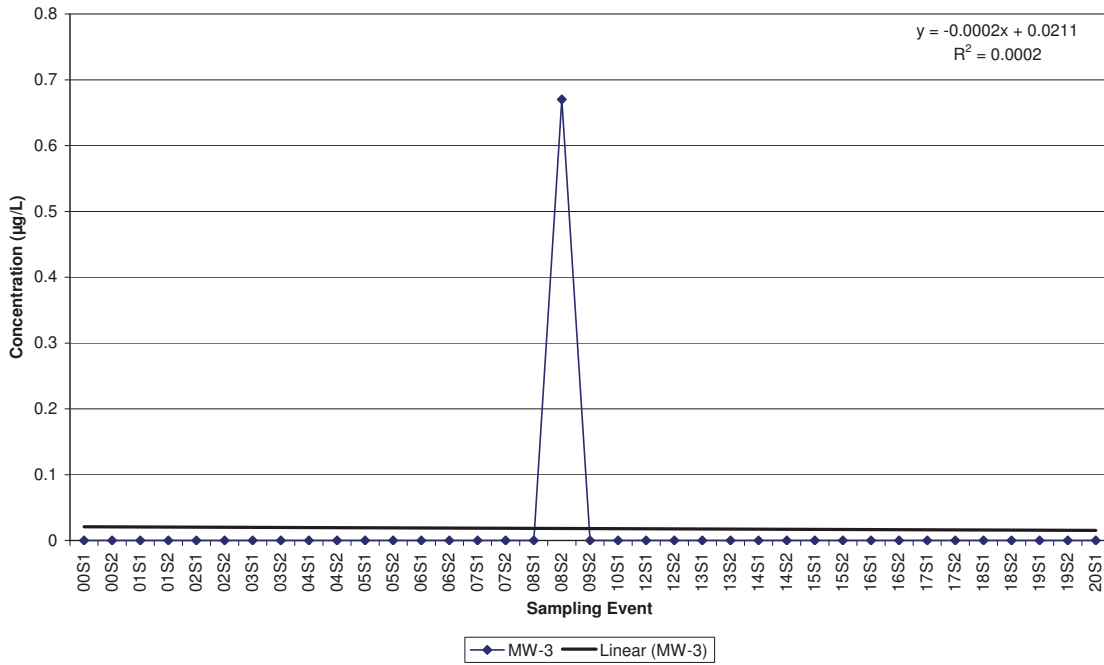
Citrus County Central Landfill  
Historic Nickel in MW-22



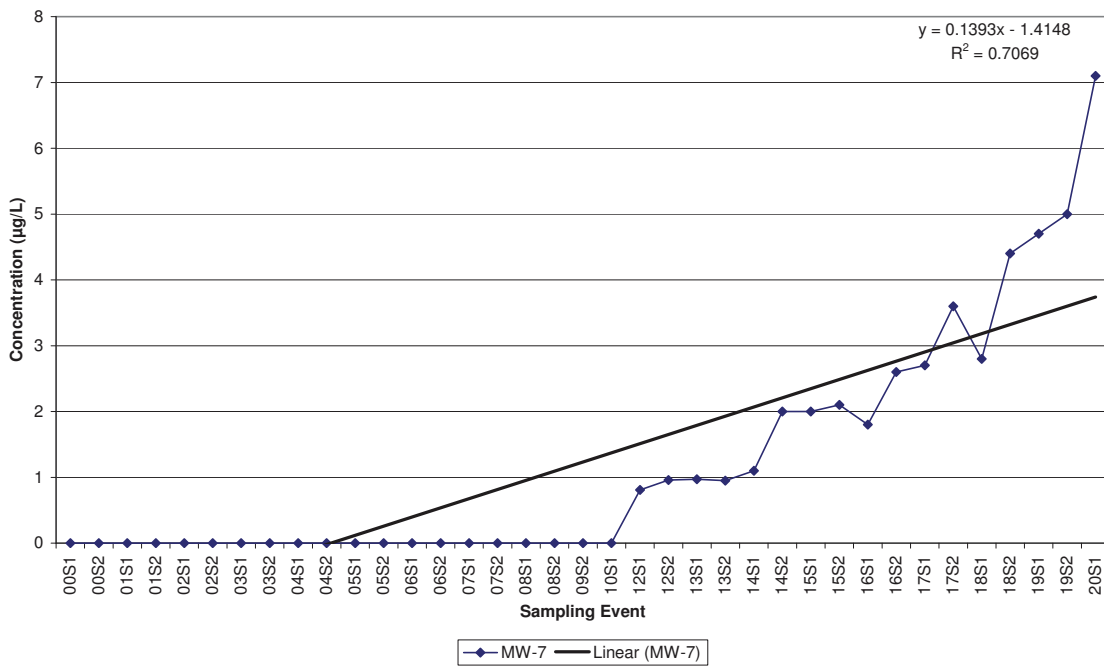
**Citrus County Central Landfill  
Historical Benzene Data**



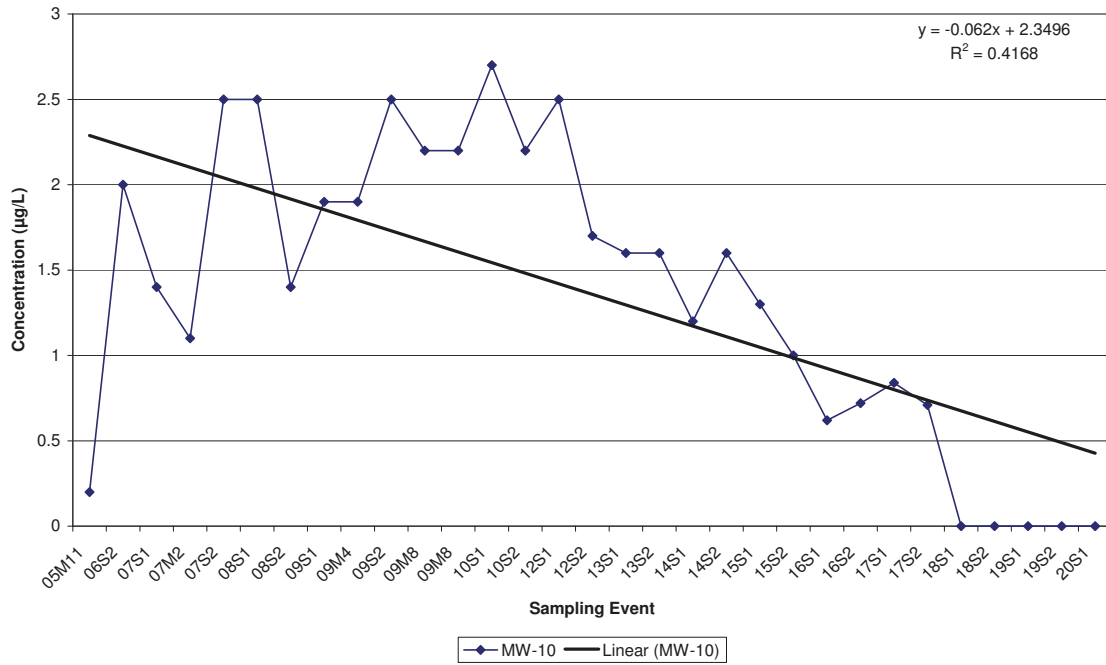
**Citrus County Central Landfill  
Historic Benzene in MW-3**



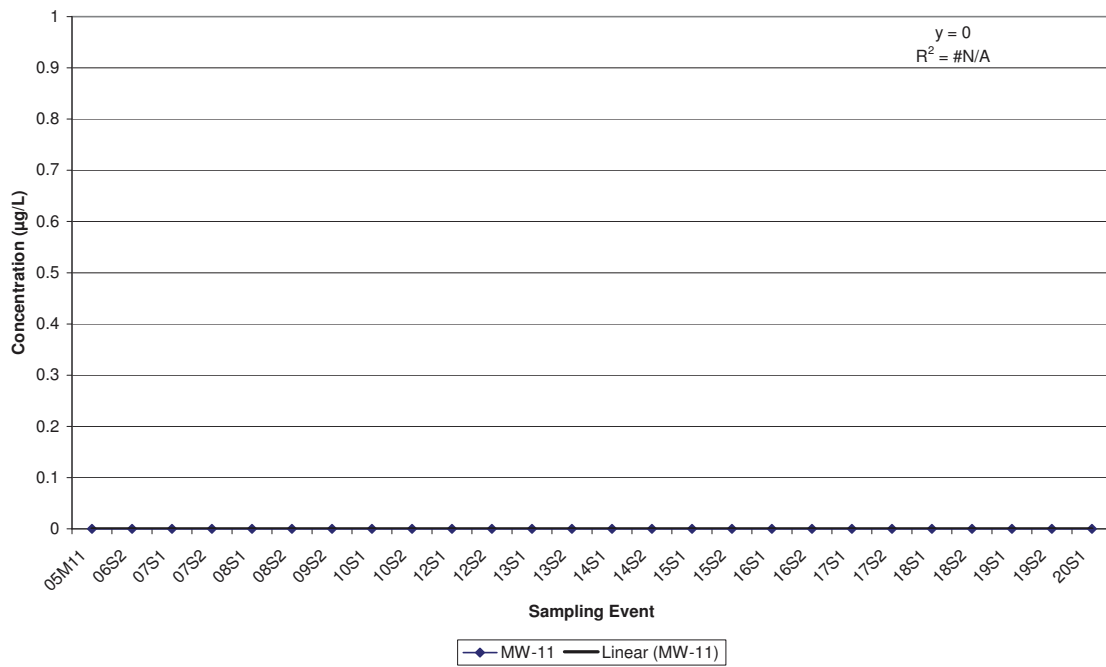
**Citrus County Central Landfill  
Historic Benzene in MW-7**



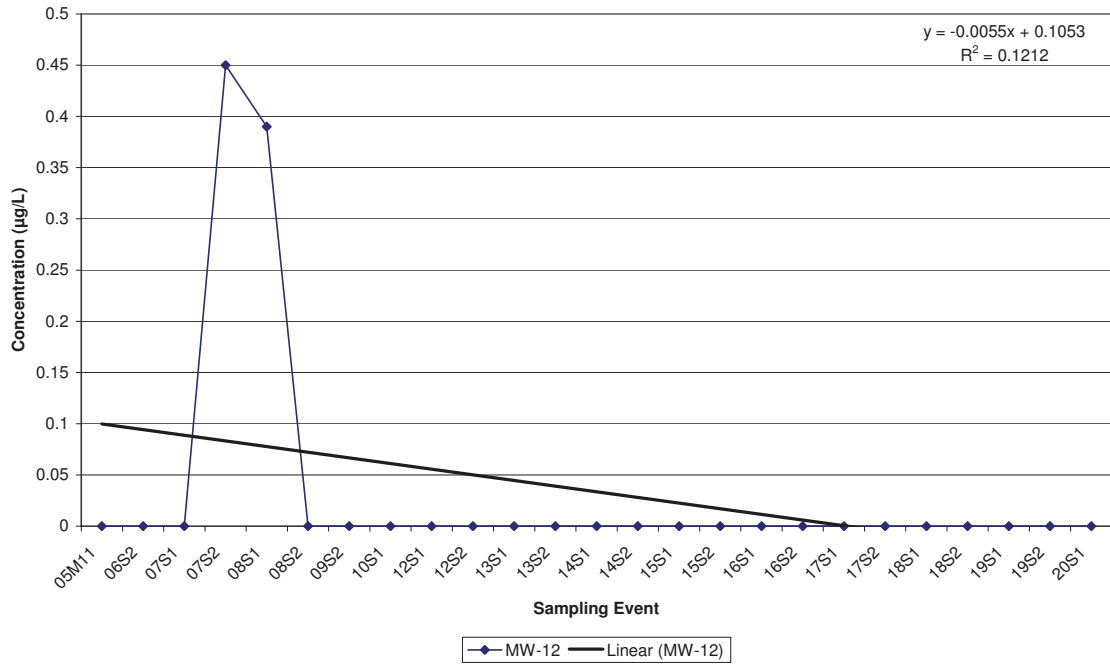
**Citrus County Central Landfill  
Historic Benzene in MW-10**



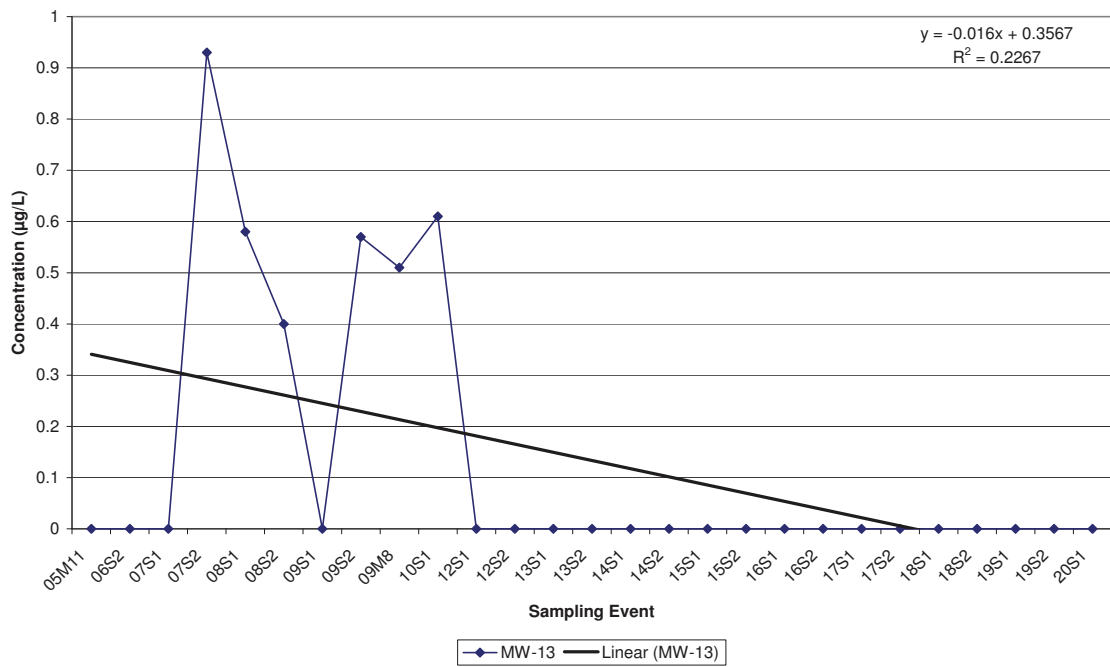
**Citrus County Central Landfill  
Historic Benzene in MW-11**



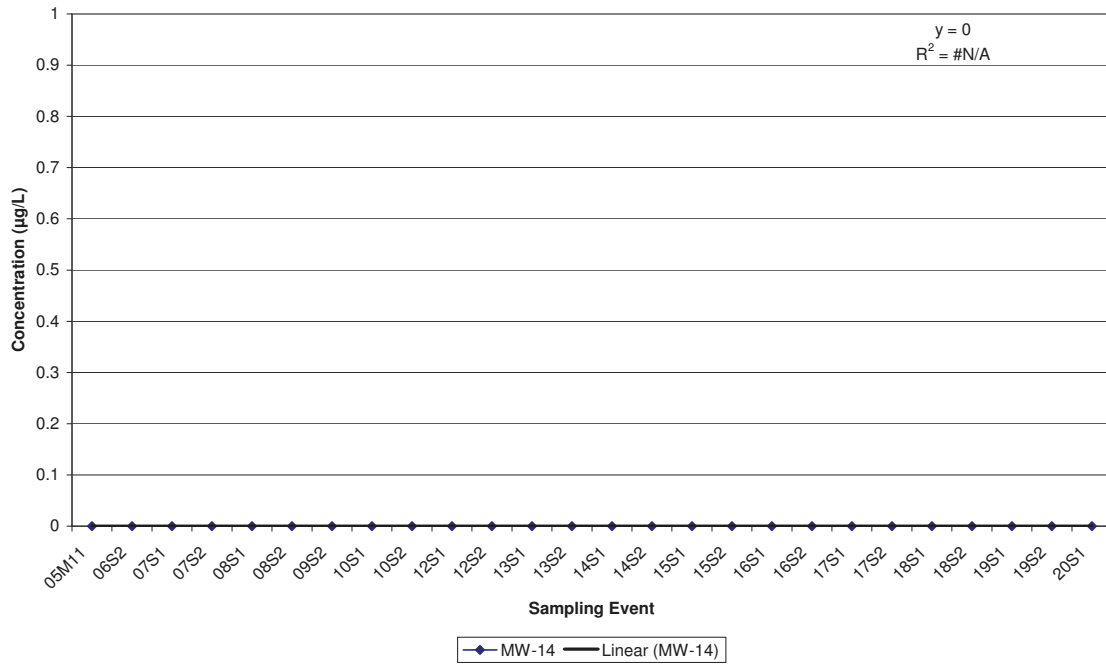
**Citrus County Central Landfill  
Historic Benzene in MW-12**



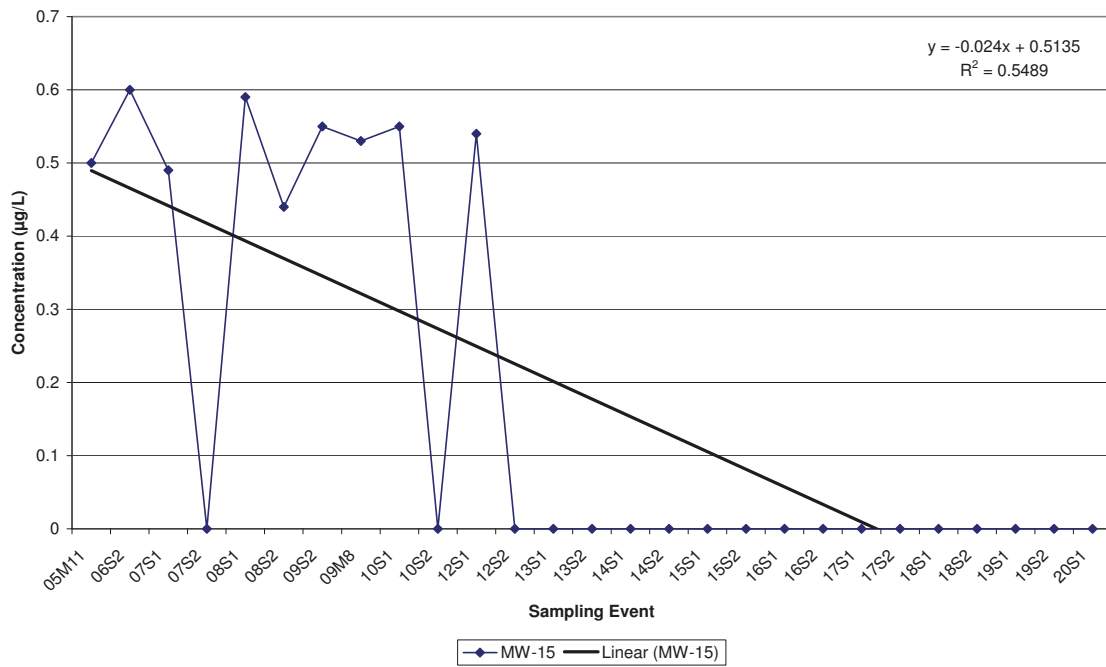
**Citrus County Central Landfill  
Historic Benzene in MW-13**



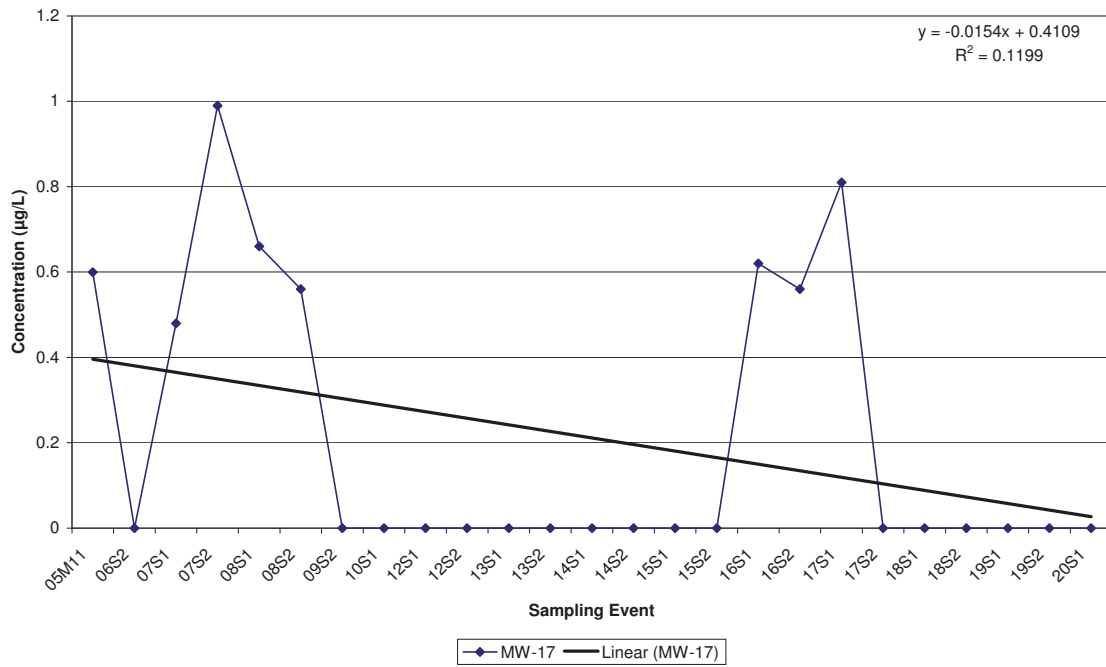
**Citrus County Central Landfill  
Historic Benzene in MW-14**



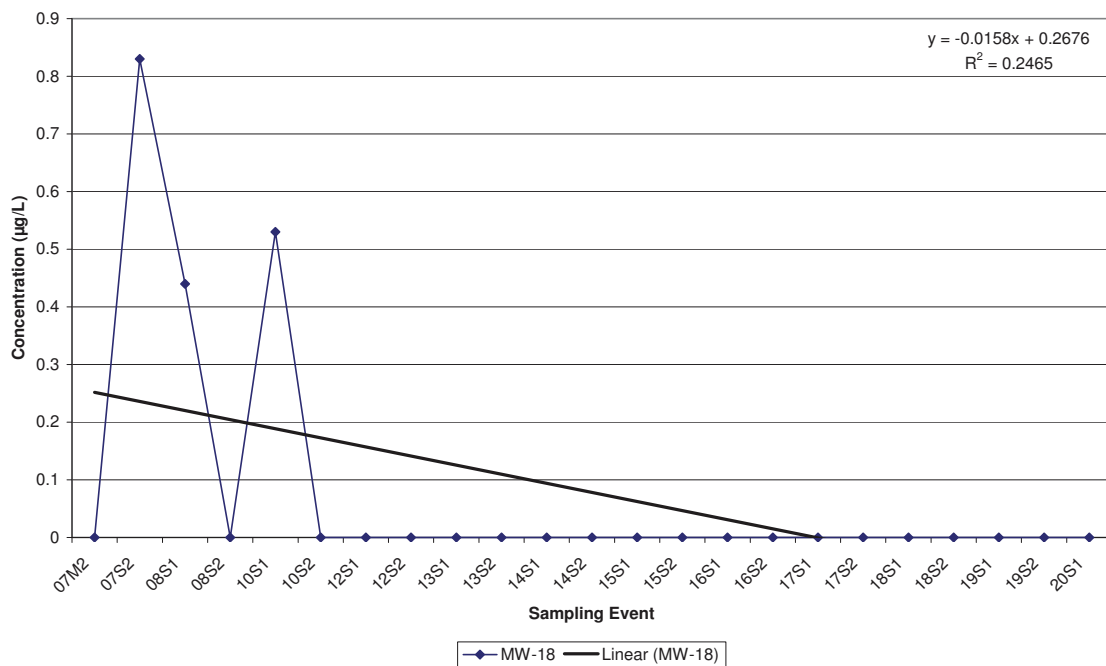
**Citrus County Central Landfill  
Historic Benzene in MW-15**



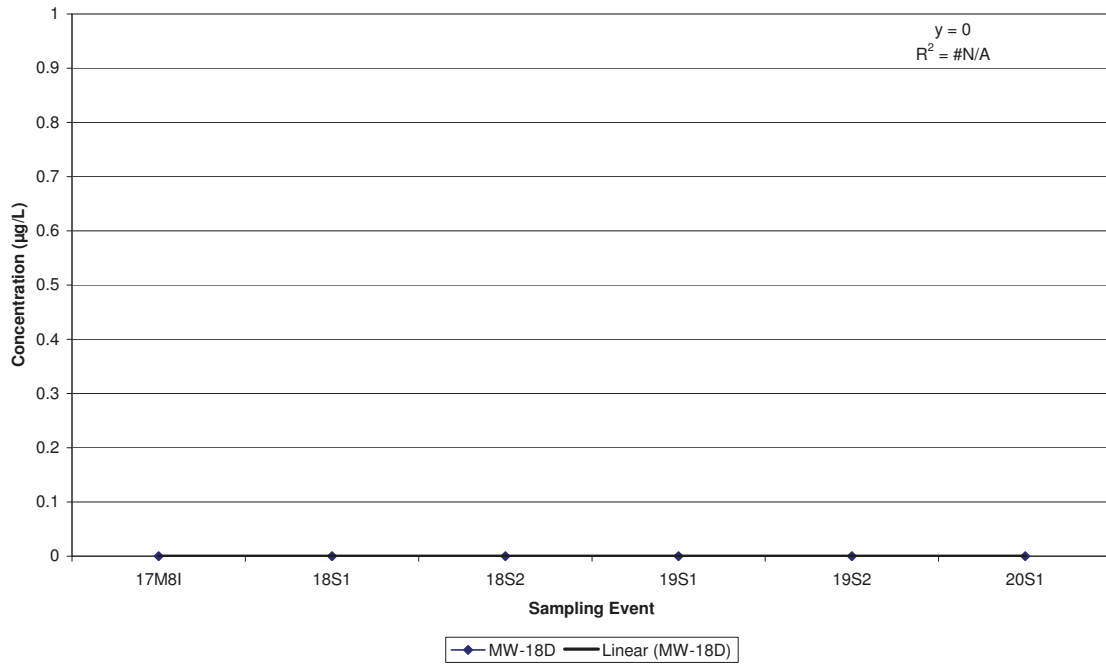
**Citrus County Central Landfill  
Historic Benzene in MW-17**



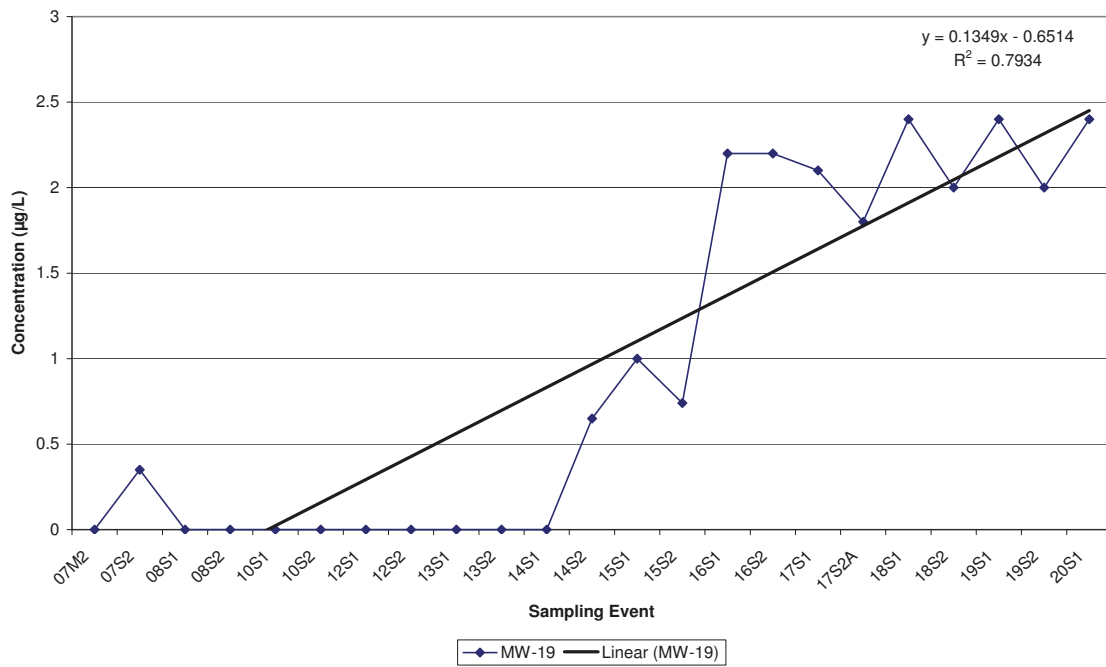
**Citrus County Central Landfill  
Historic Benzene in MW-18**



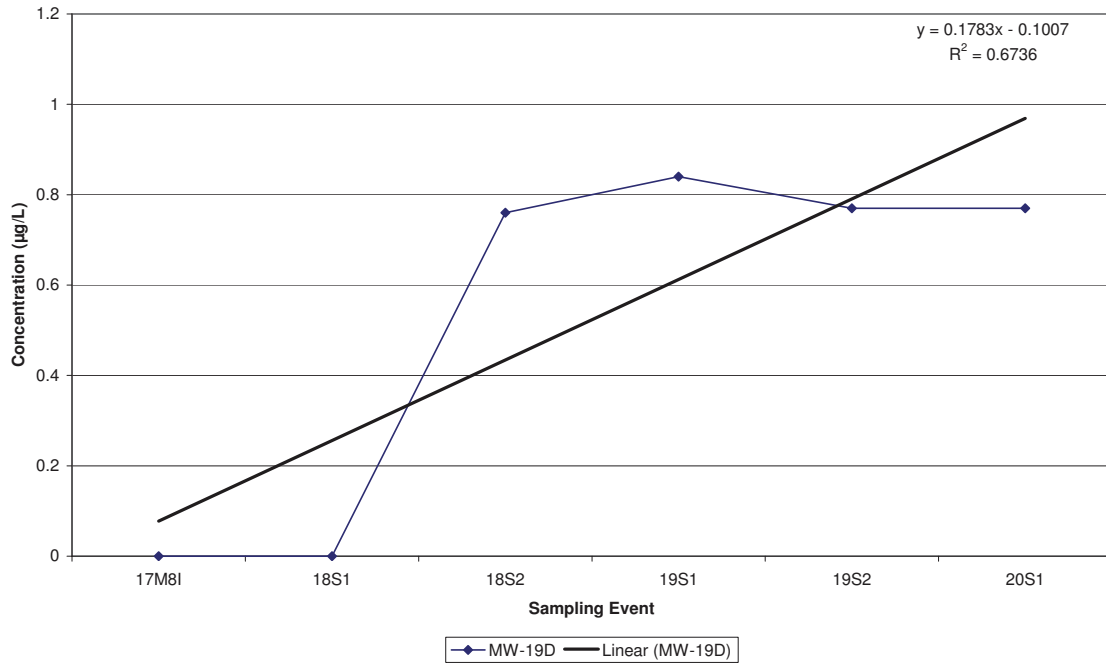
Citrus County Central Landfill  
Historic Benzene in MW-18D



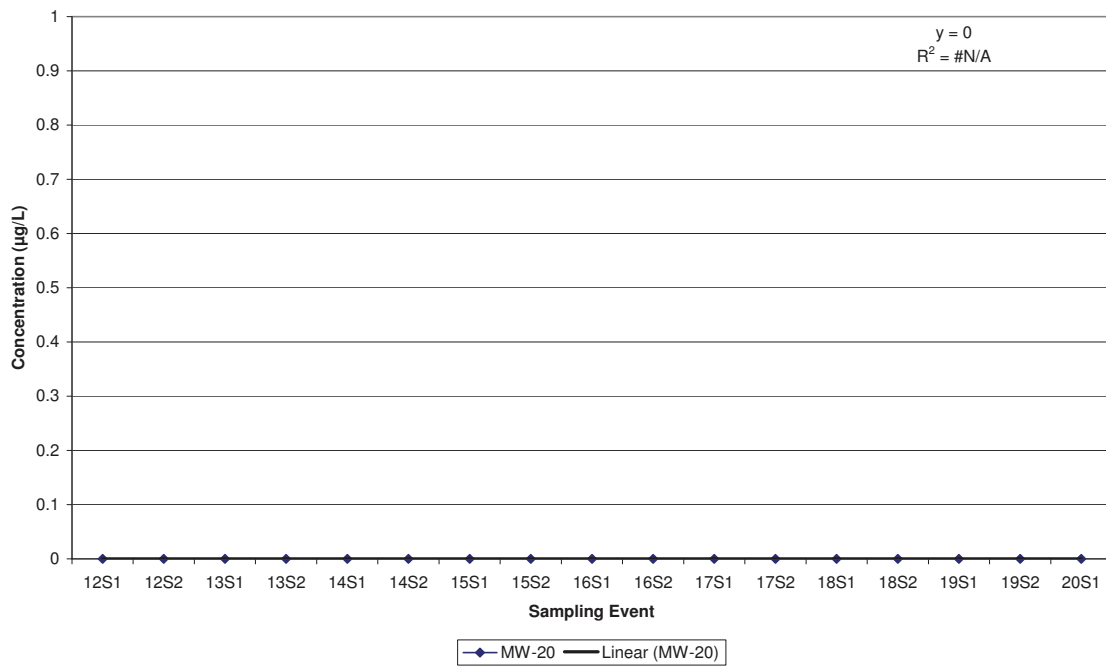
Citrus County Central Landfill  
Historic Benzene in MW-19



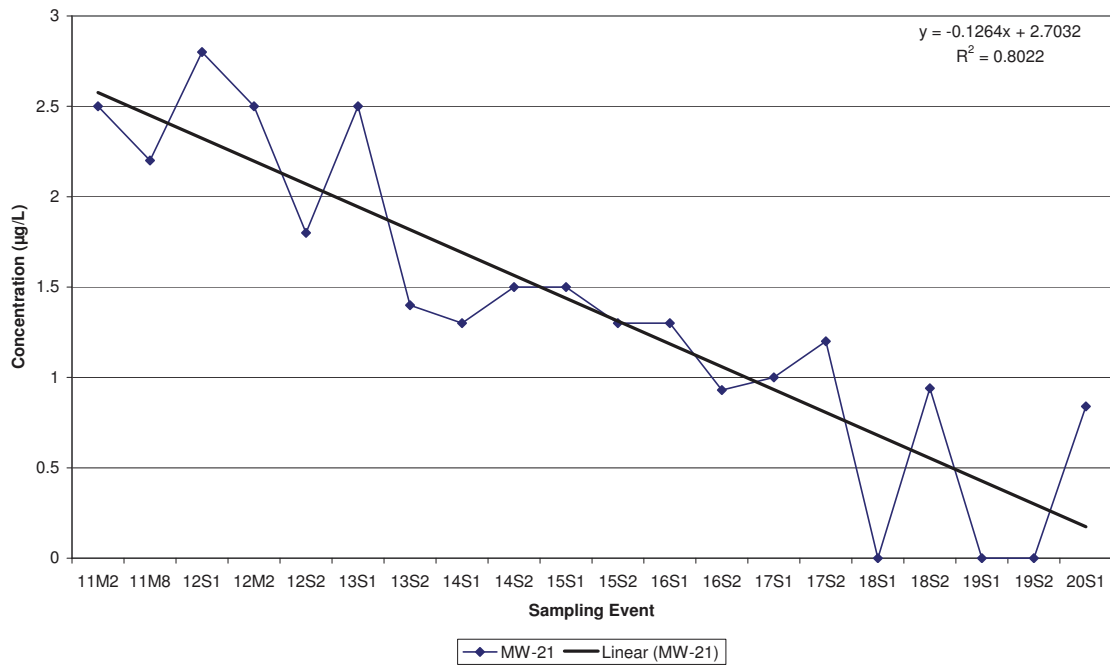
Citrus County Central Landfill  
Historic Benzene in MW-19D



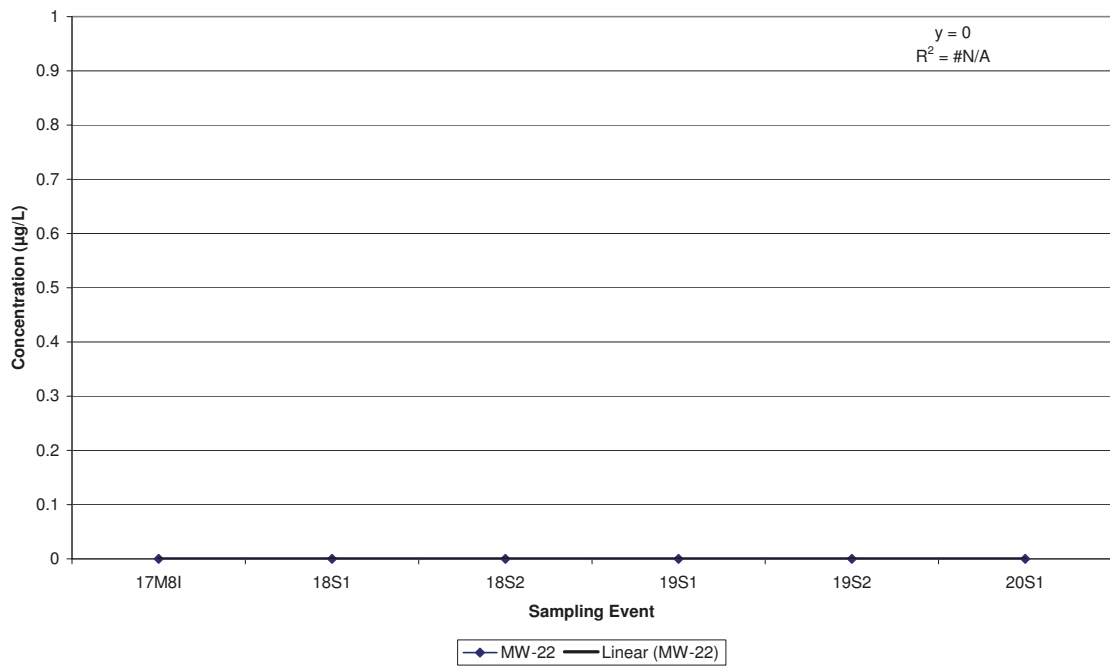
Citrus County Central Landfill  
Historic Benzene in MW-20



Citrus County Central Landfill  
Historic Benzene in MW-21



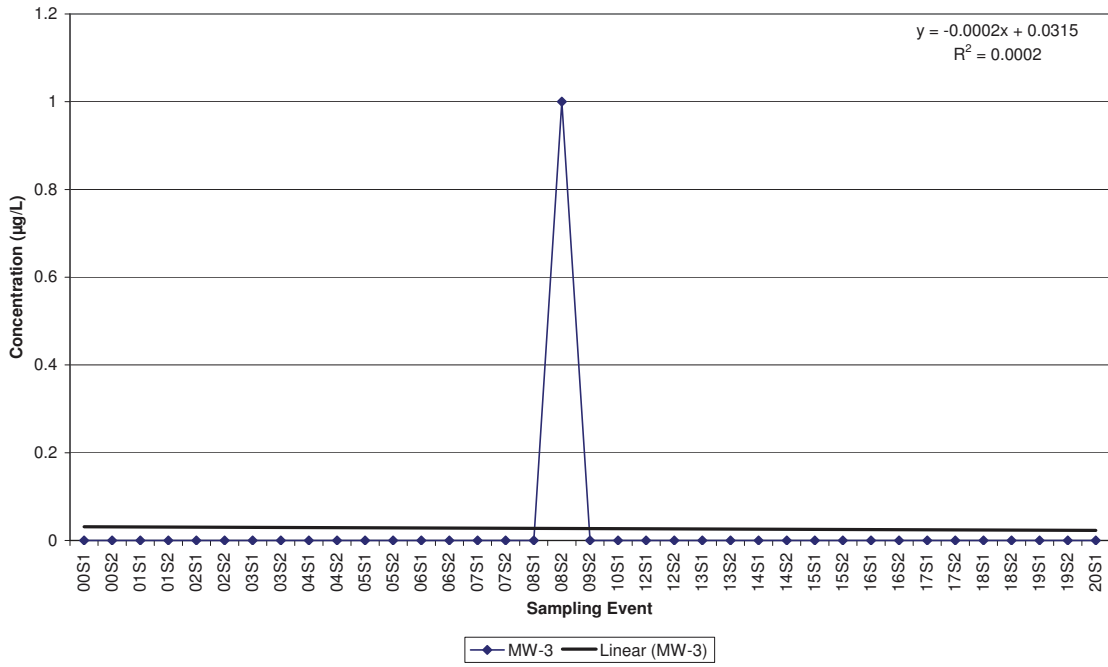
Citrus County Central Landfill  
Historic Benzene in MW-22



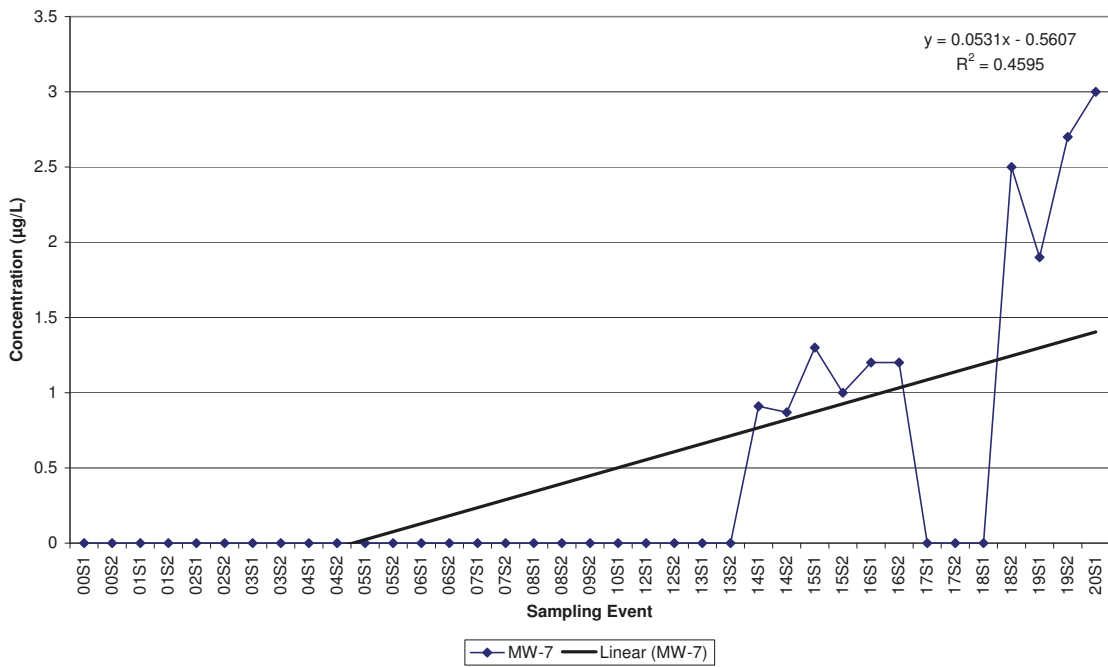


**Citrus County Central Landfill  
Historical Chlorobenzene Data**

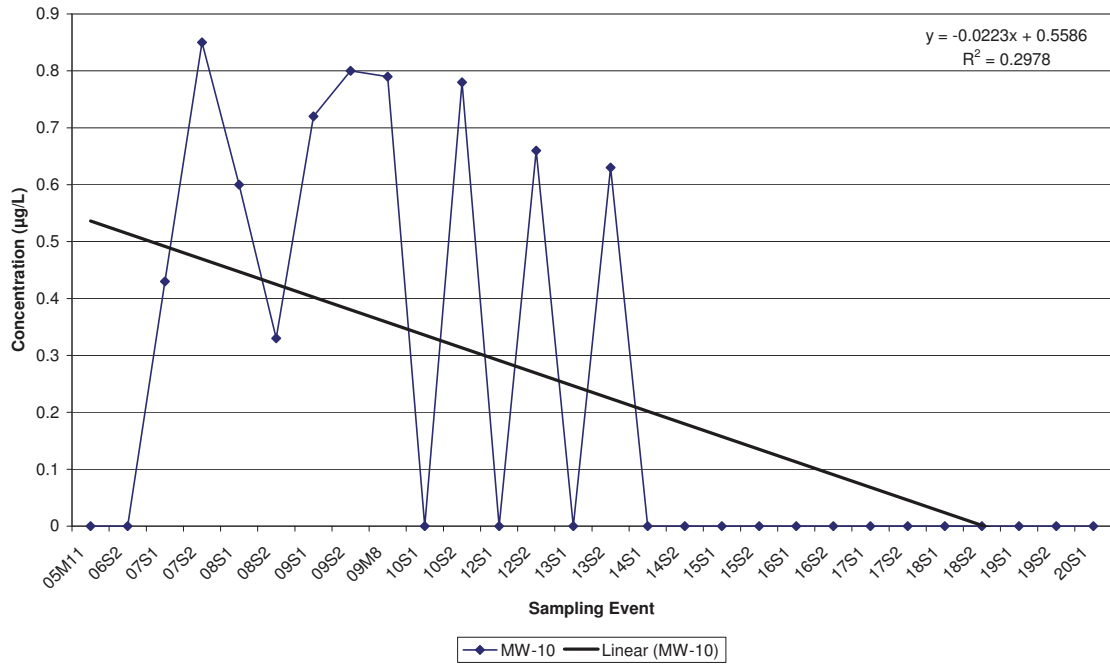
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-3**



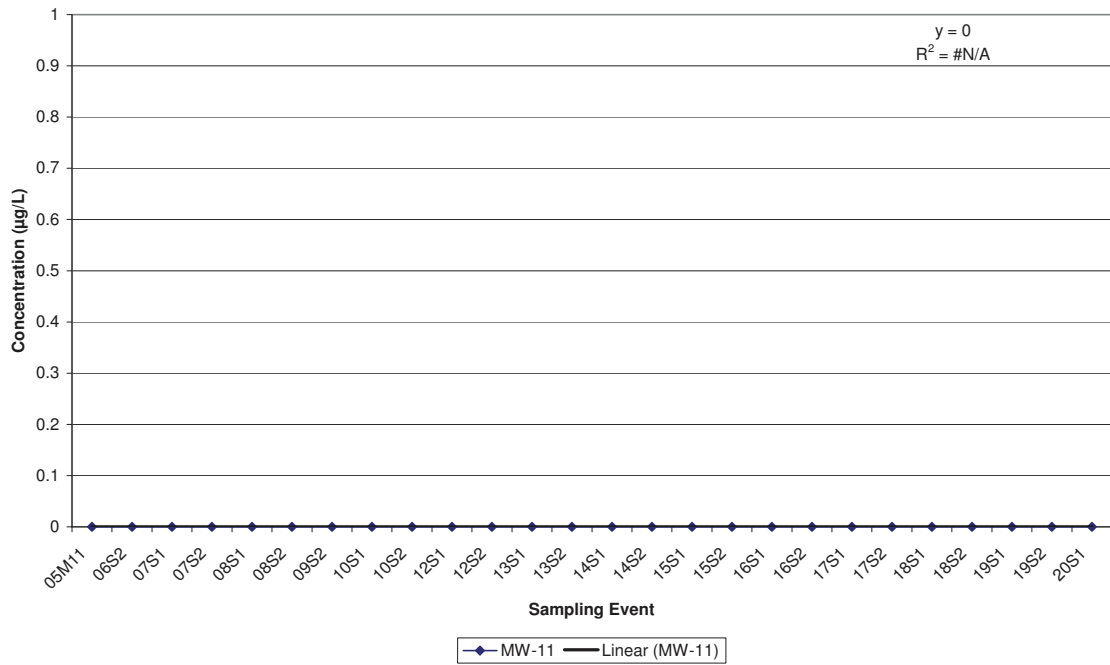
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-7**



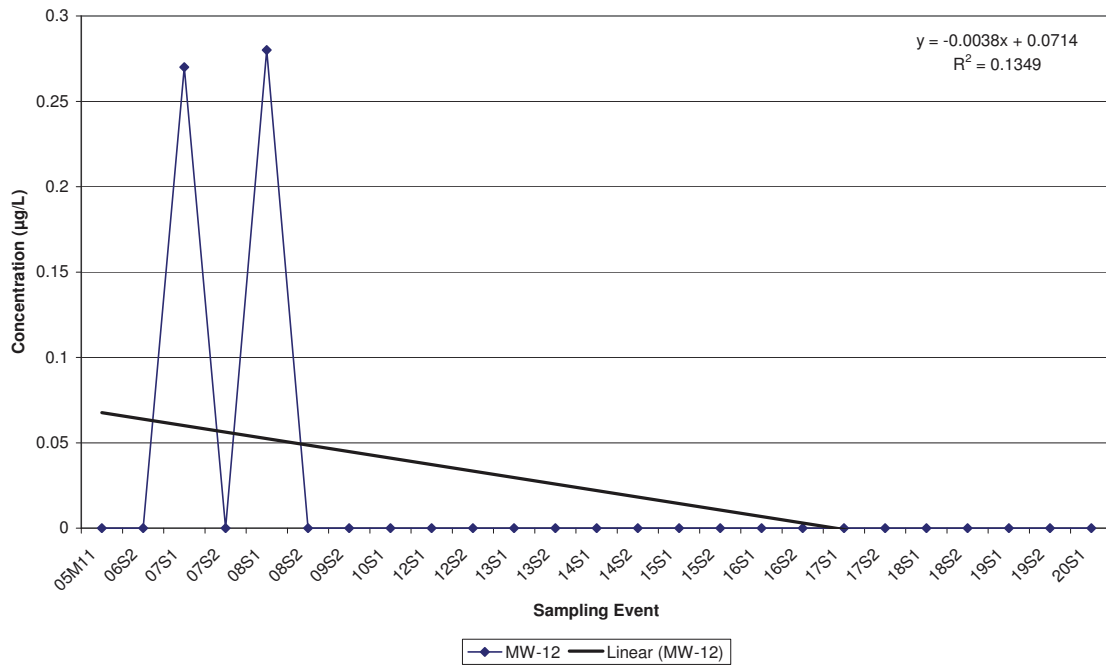
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-10**



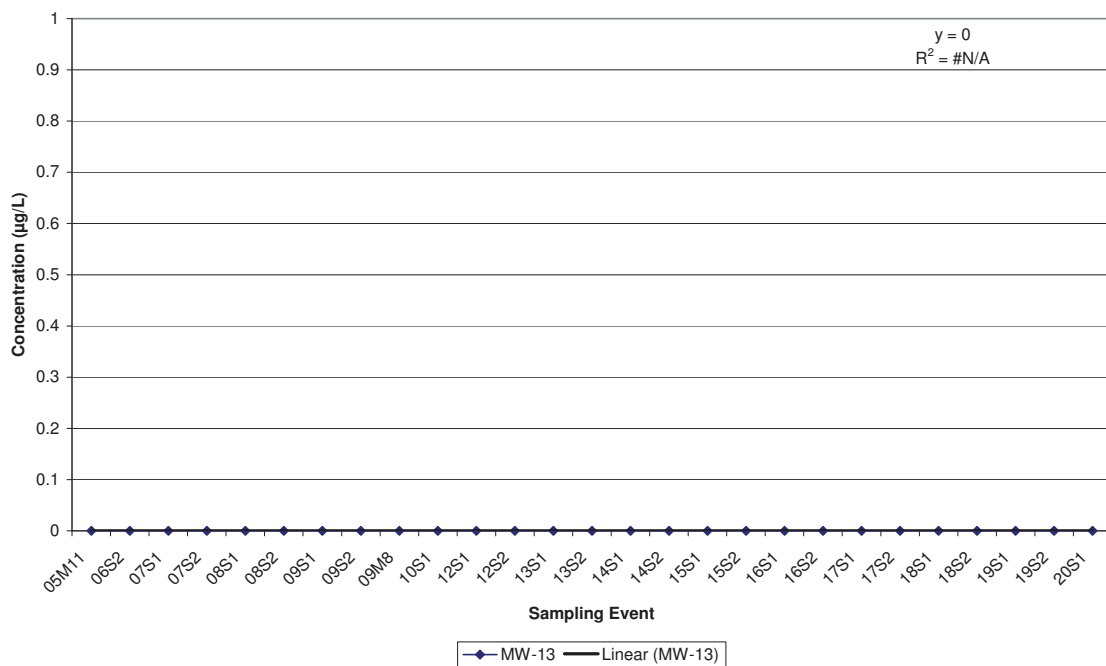
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-11**



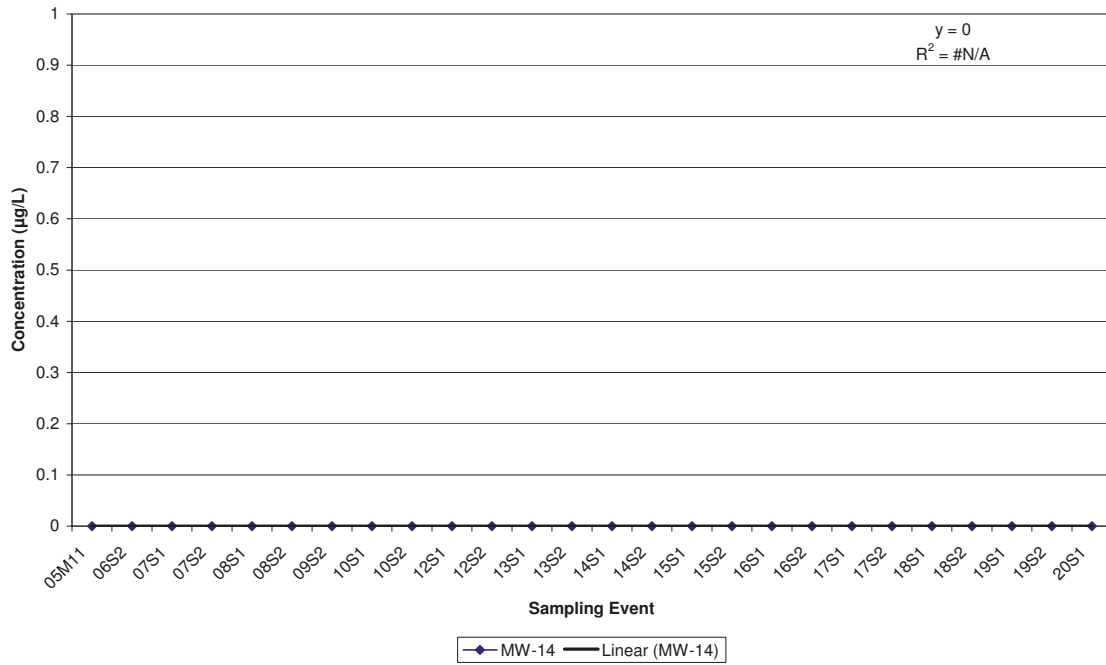
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-12**



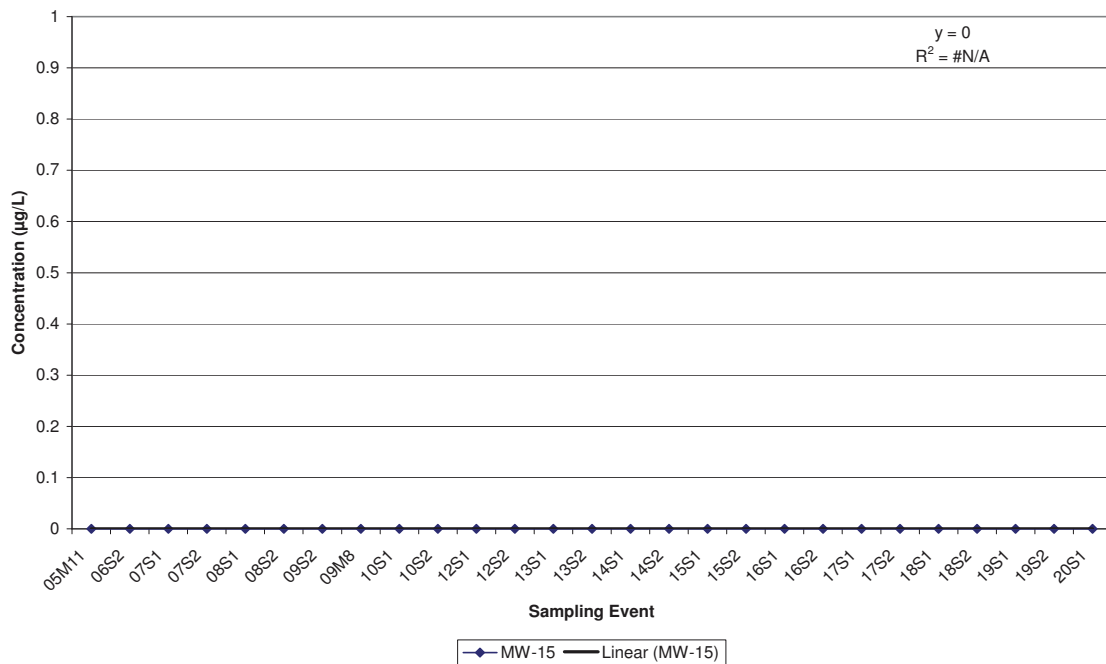
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-13**



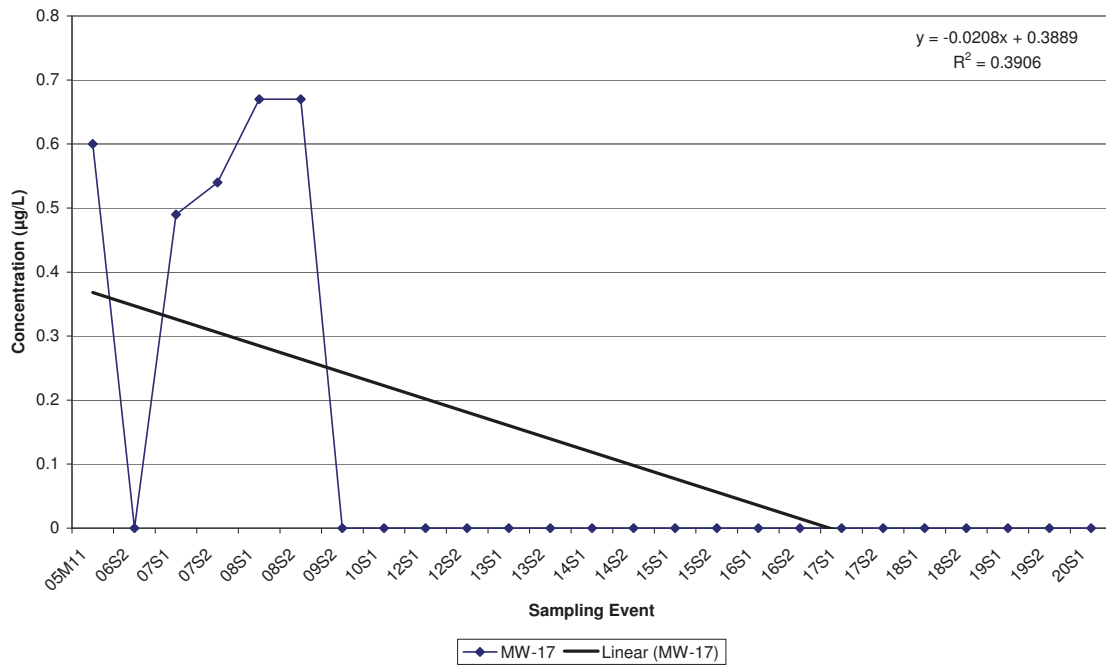
Citrus County Central Landfill  
Historic Chlorobenzene in MW-14



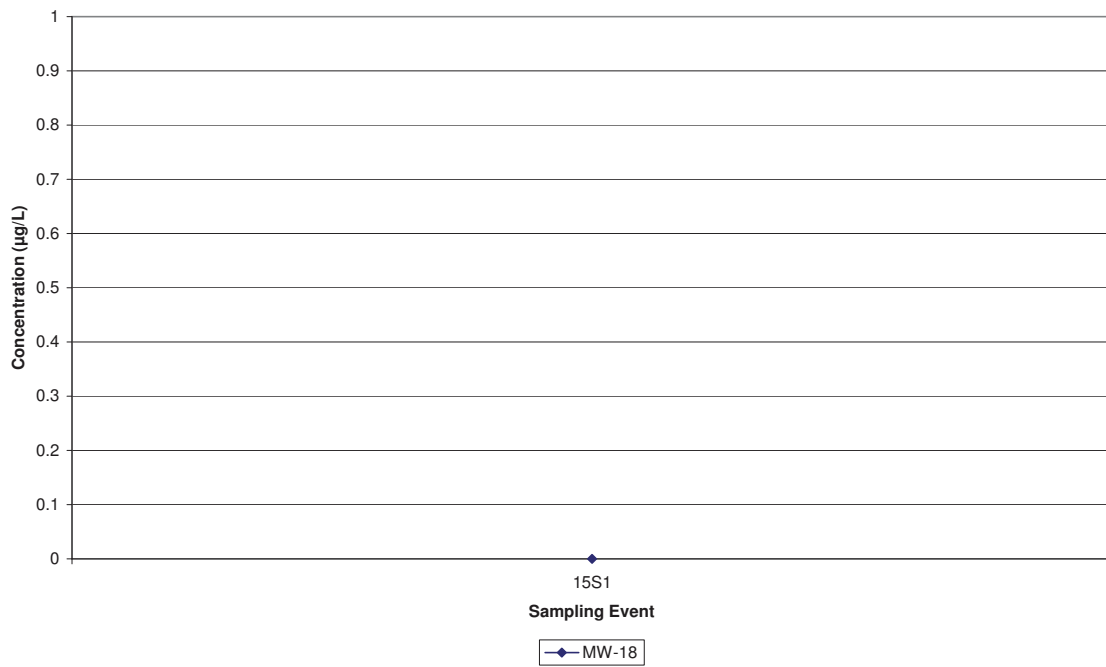
Citrus County Central Landfill  
Historic Chlorobenzene in MW-15



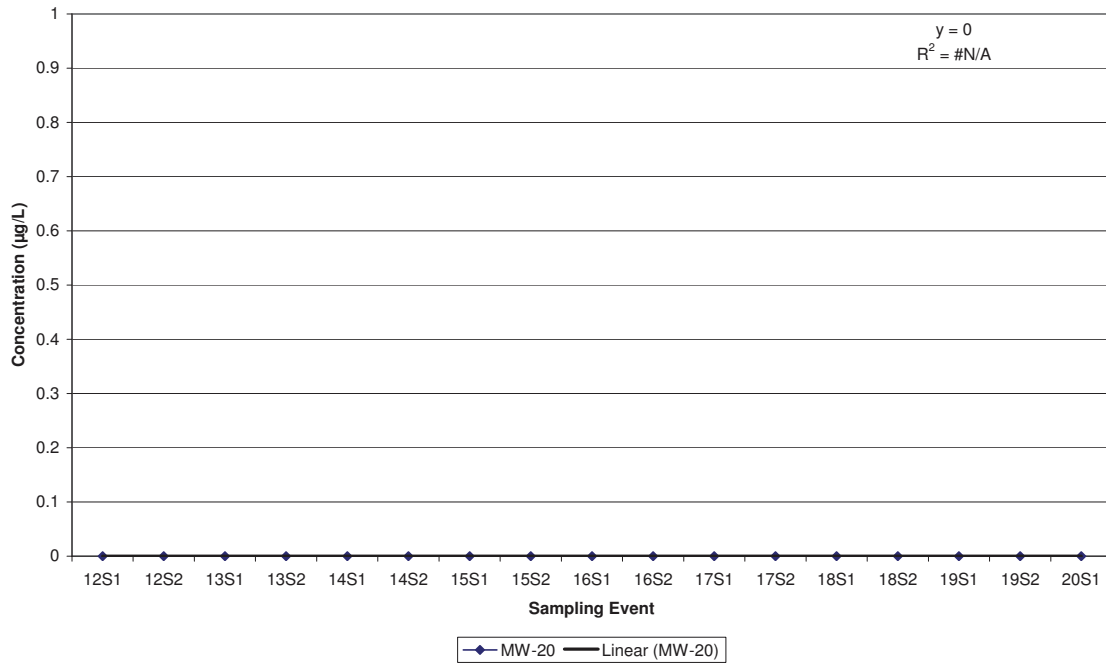
Citrus County Central Landfill  
Historic Chlorobenzene in MW-17



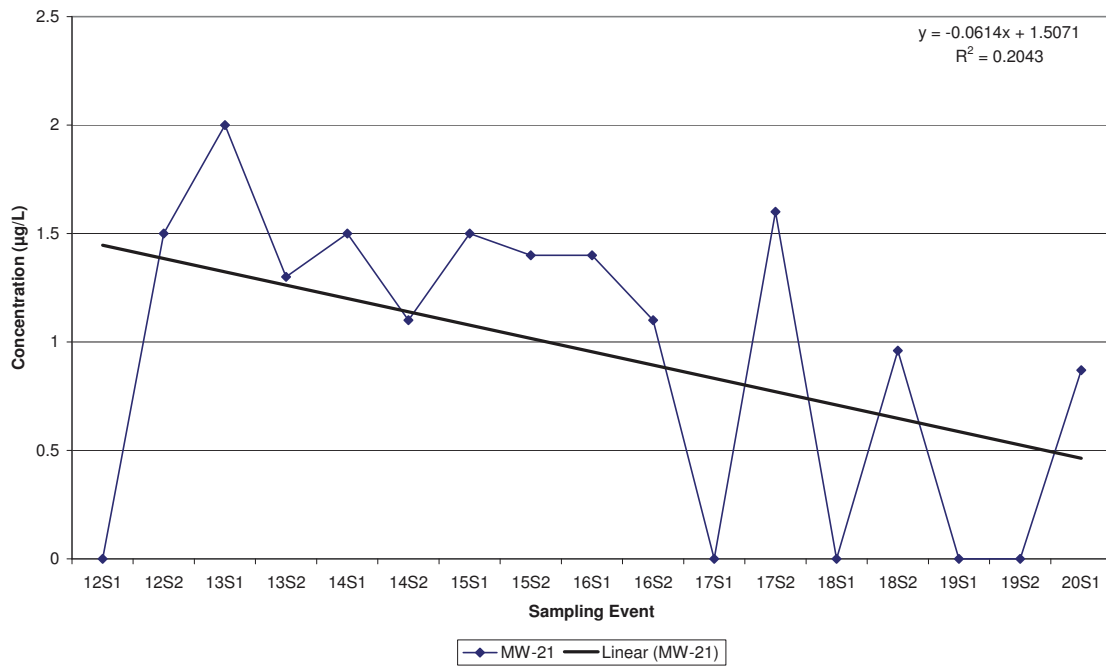
Citrus County Central Landfill  
Historic Chlorobenzene in MW-18



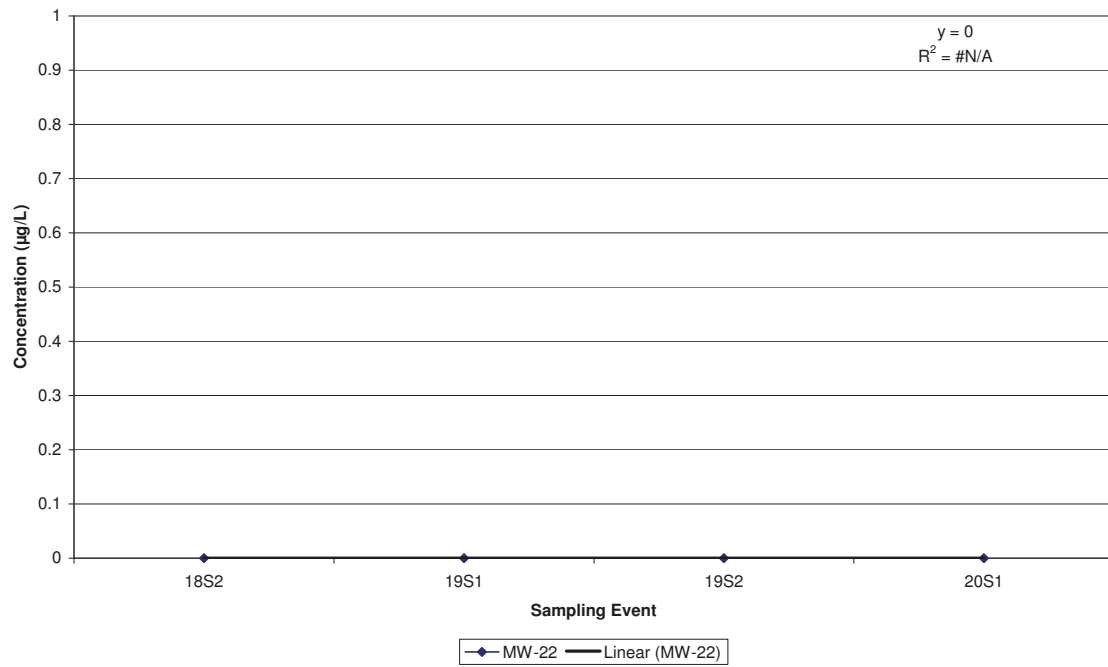
Citrus County Central Landfill  
Historic Chlorobenzene in MW-20



Citrus County Central Landfill  
Historic Chlorobenzene in MW-21



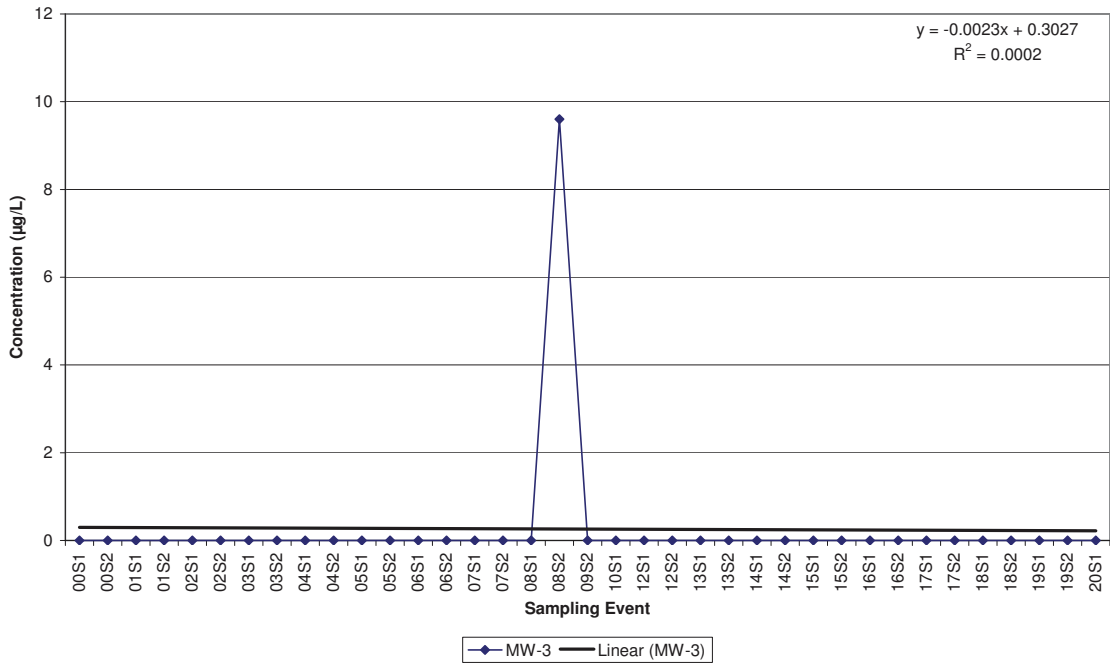
Citrus County Central Landfill  
Historic Chlorobenzene in MW-22



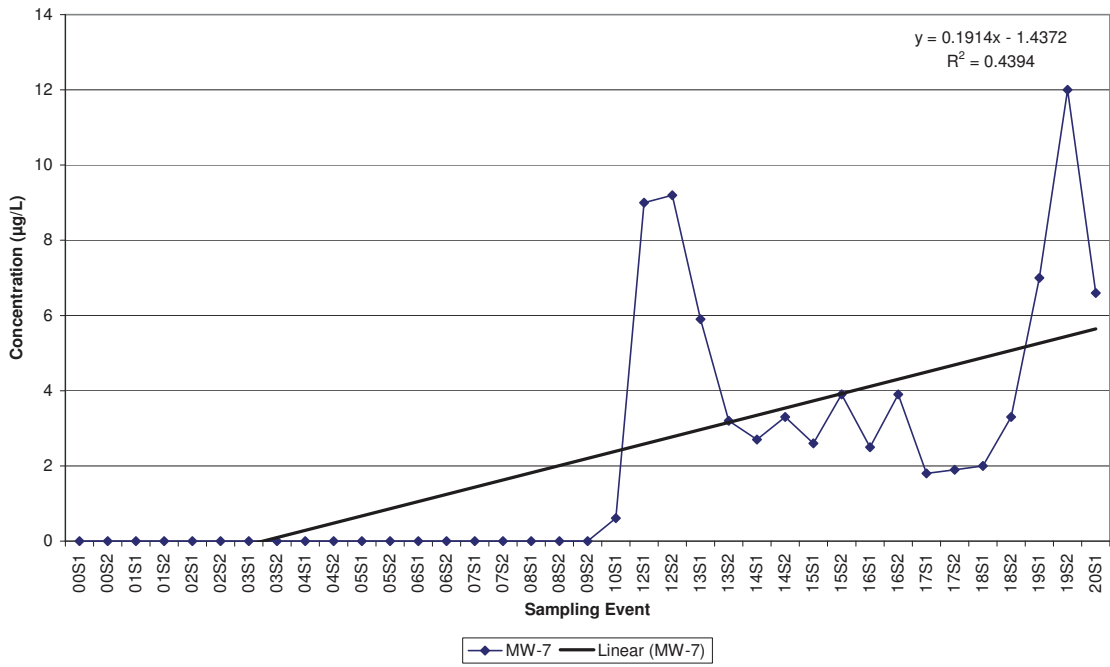


**Citrus County Central Landfill  
Historical Ethylbenzene Data**

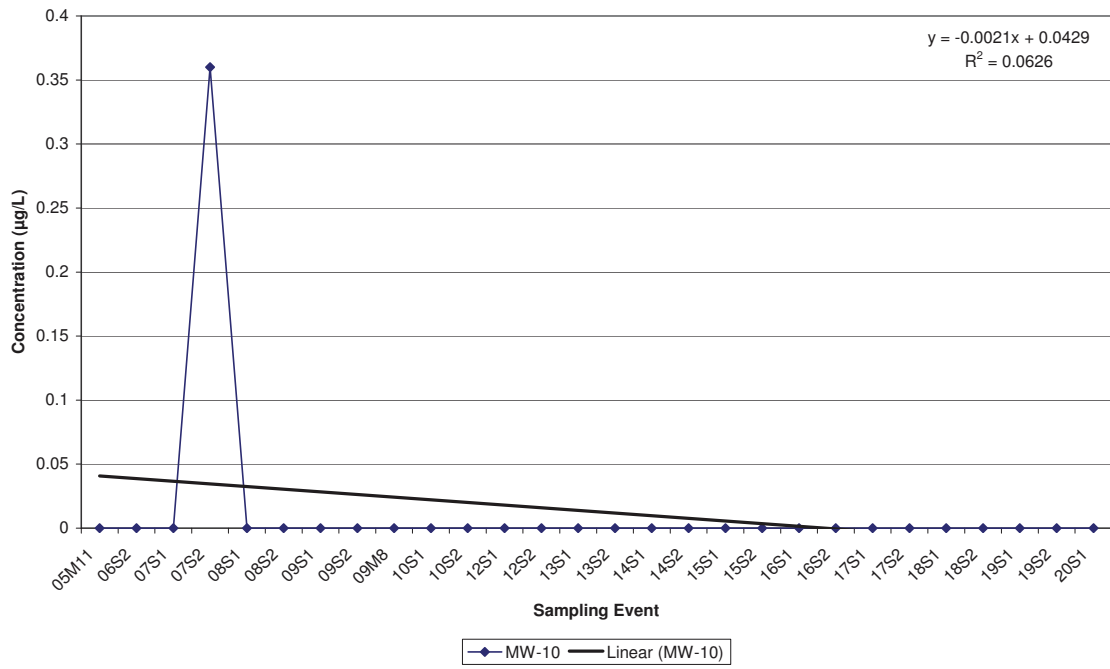
**Citrus County Central Landfill  
Historic Ethylbenzene in MW-3**



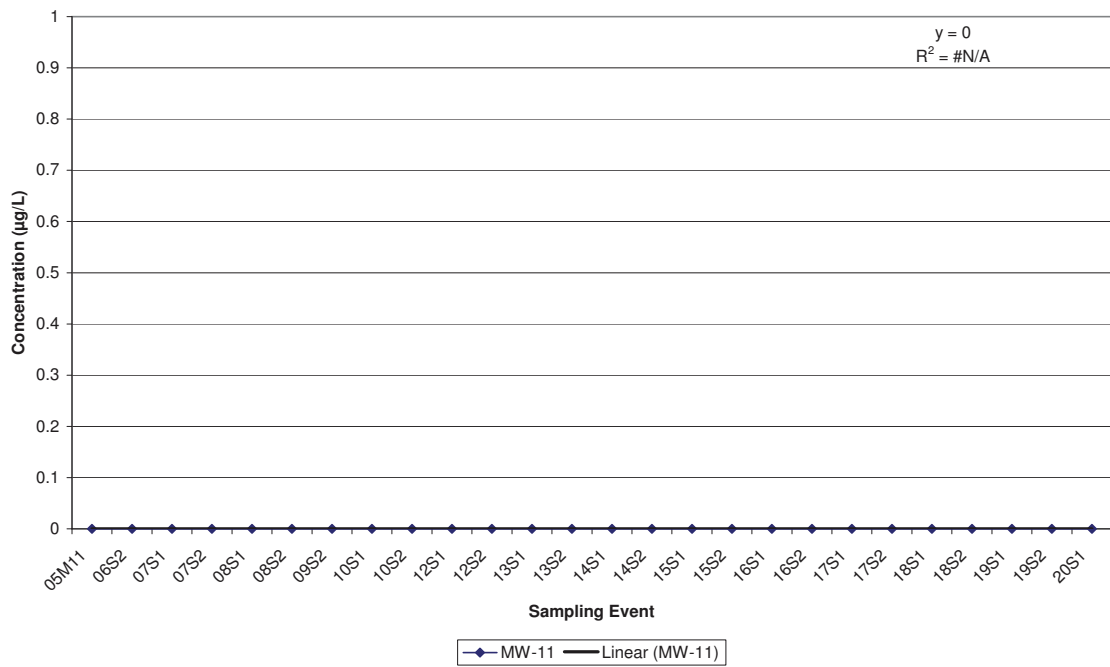
**Citrus County Central Landfill  
Historic Ethylbenzene in MW-7**



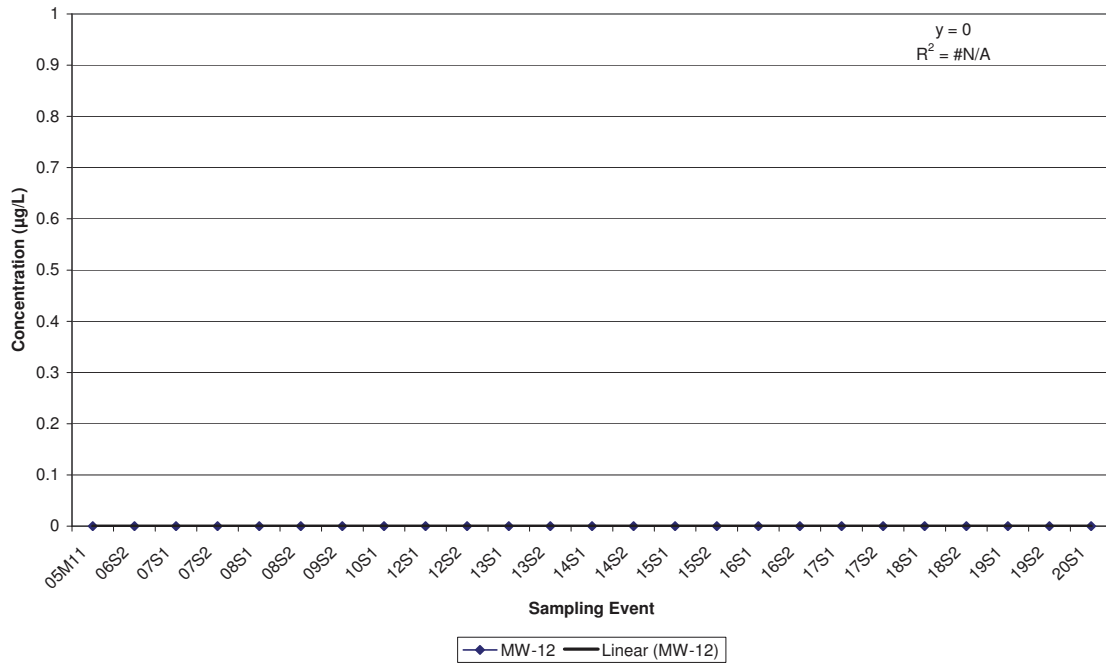
Citrus County Central Landfill  
Historic Ethylbenzene in MW-10



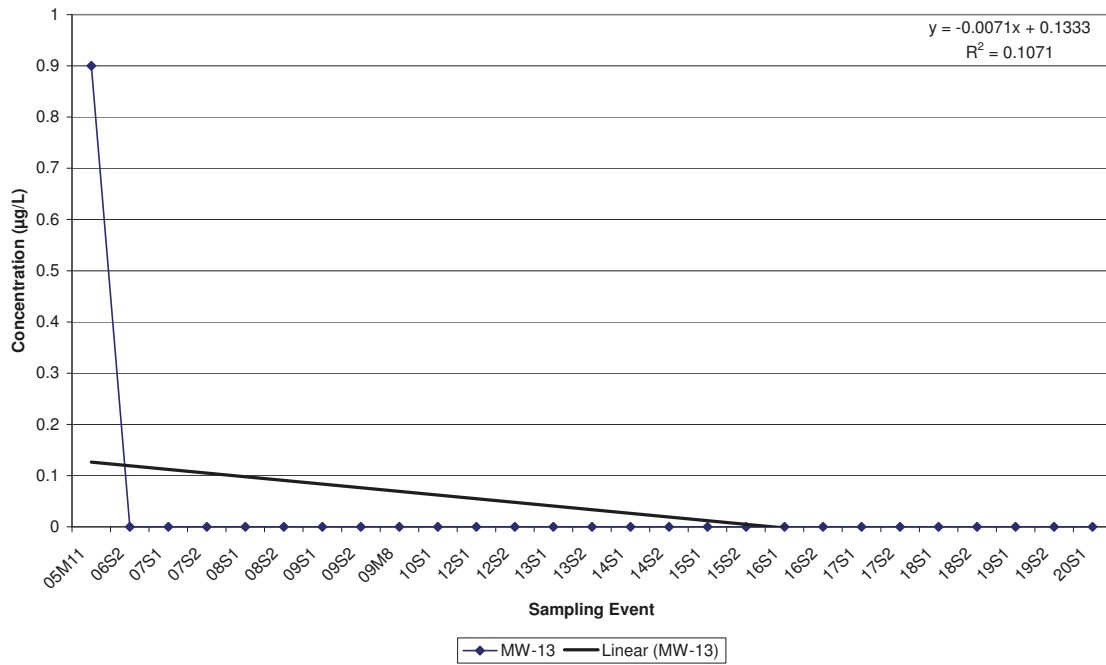
Citrus County Central Landfill  
Historic Ethylbenzene in MW-11



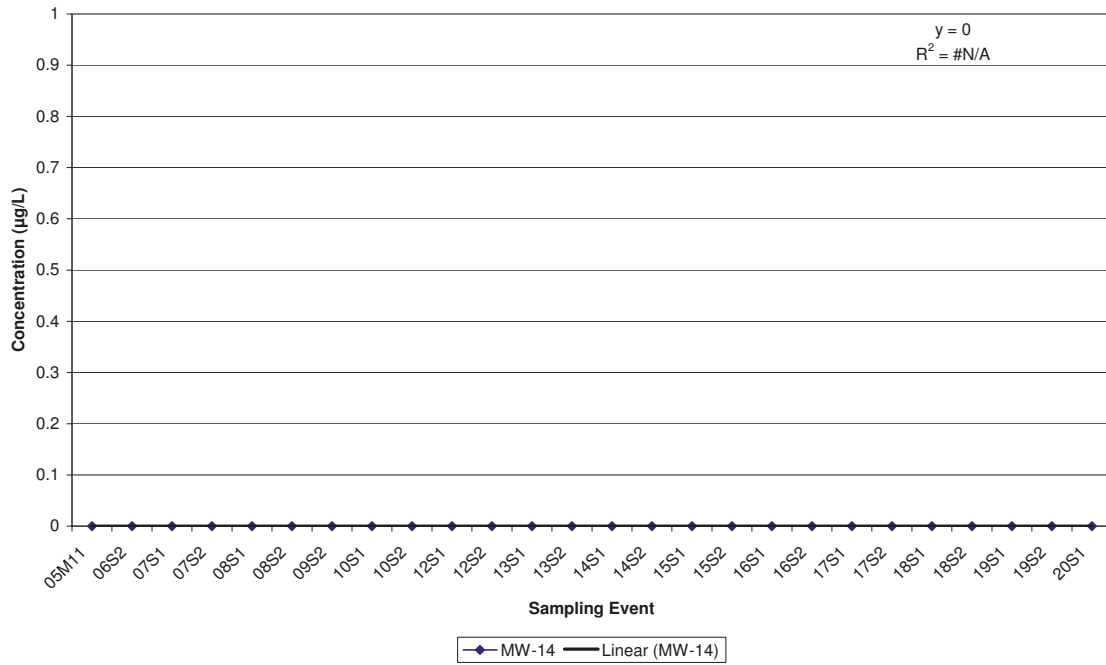
Citrus County Central Landfill  
Historic Ethylbenzene in MW-12



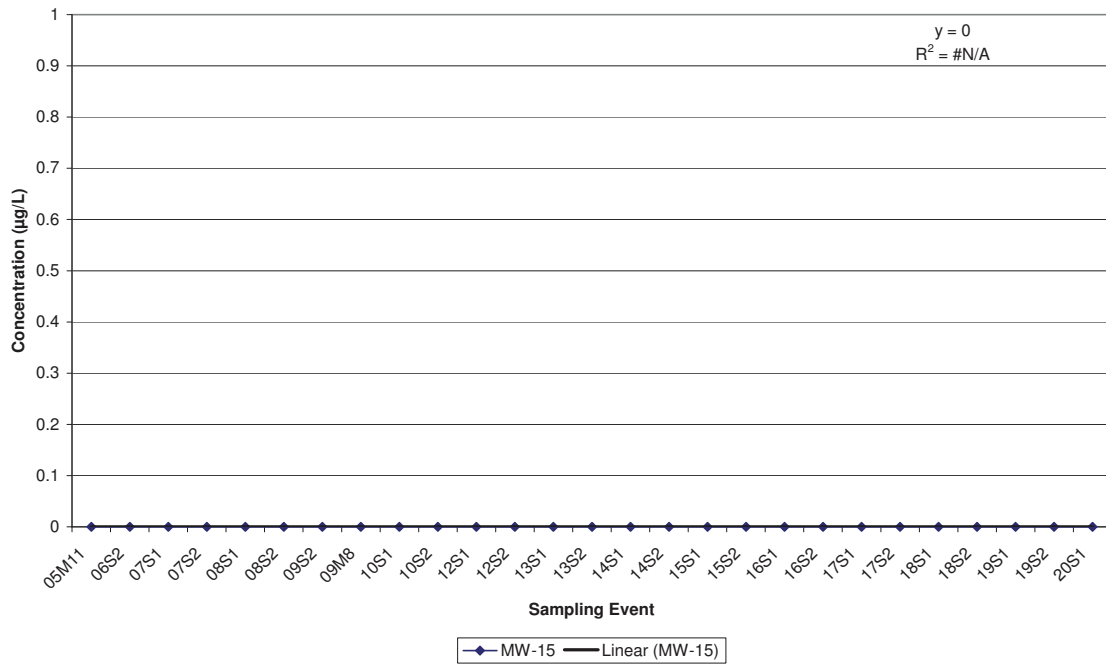
Citrus County Central Landfill  
Historic Ethylbenzene in MW-13



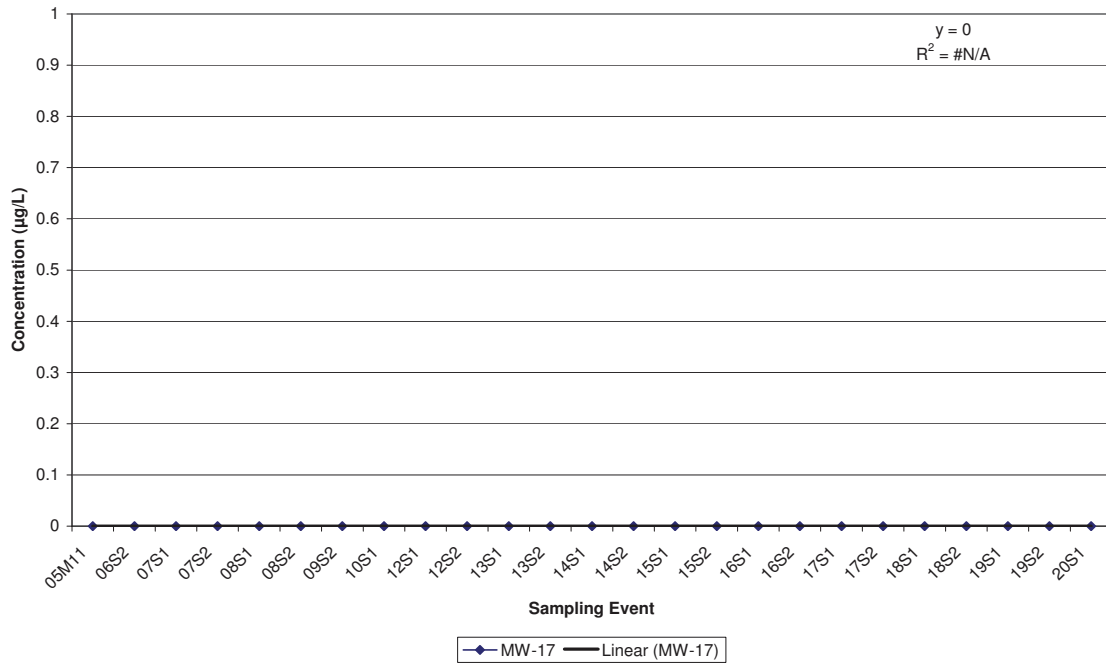
Citrus County Central Landfill  
Historic Ethylbenzene in MW-14



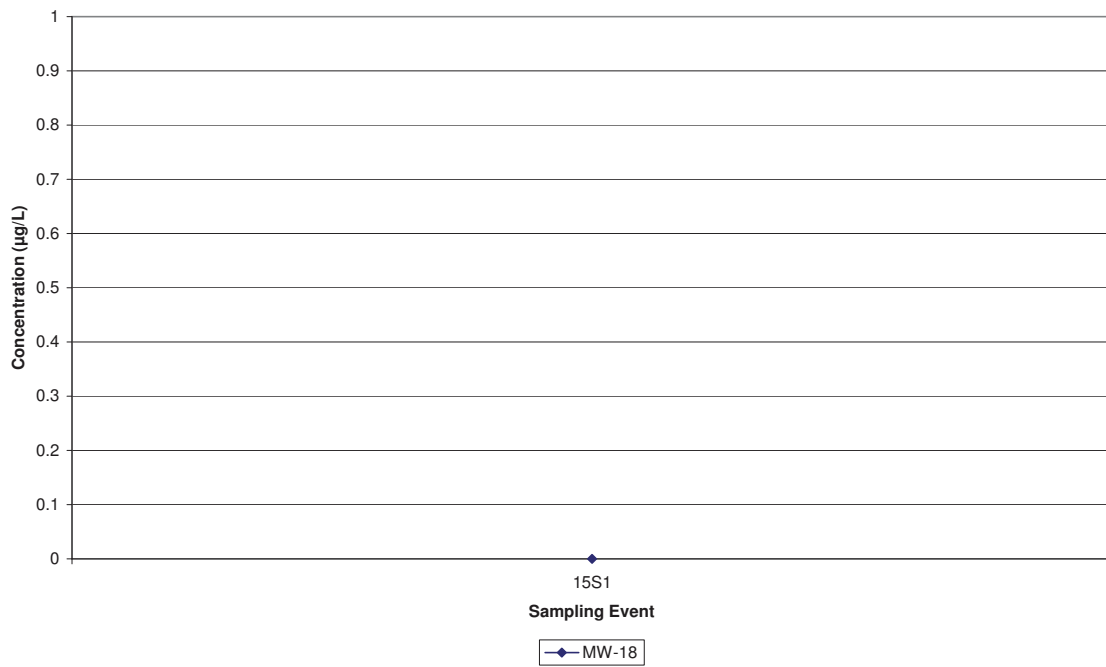
Citrus County Central Landfill  
Historic Ethylbenzene in MW-15



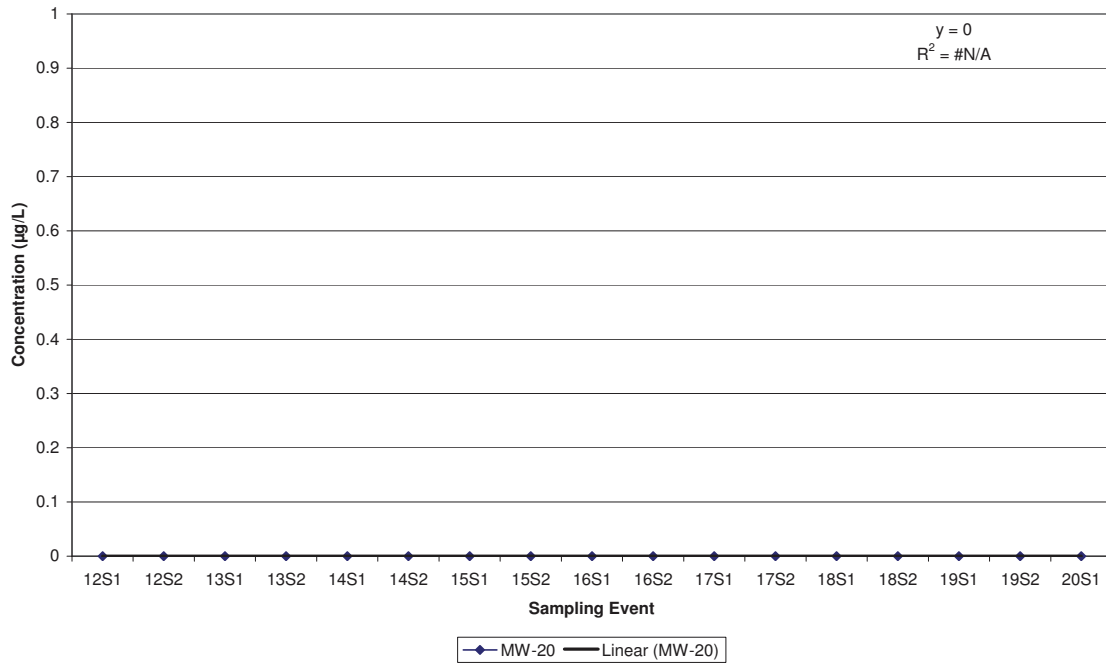
Citrus County Central Landfill  
Historic Ethylbenzene in MW-17



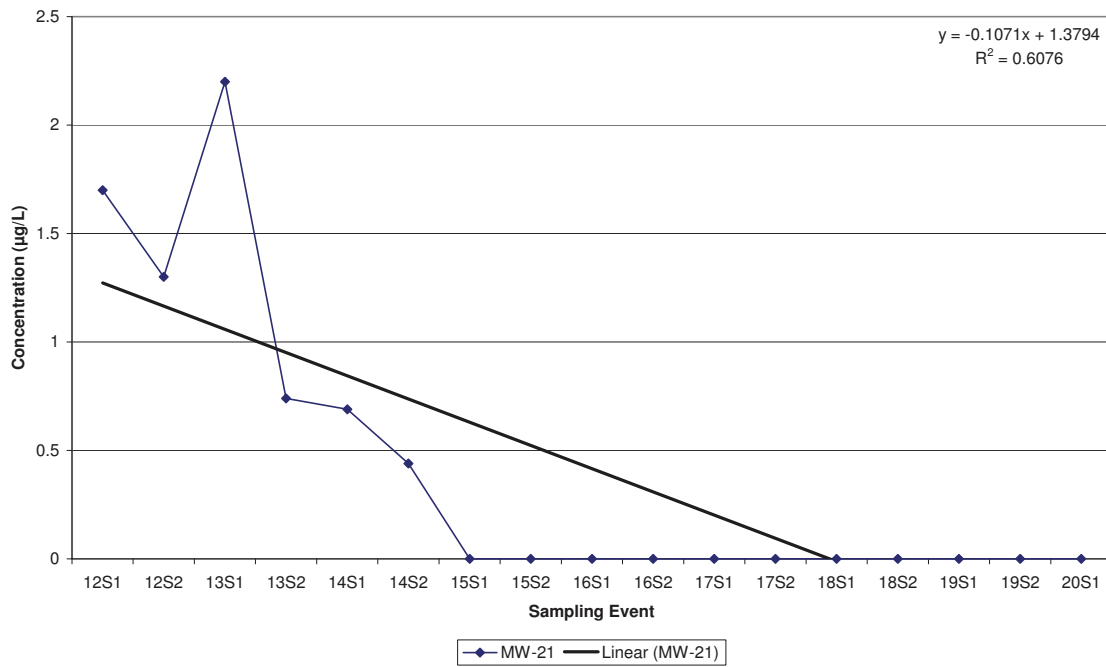
Citrus County Central Landfill  
Historic Ethylbenzene in MW-18



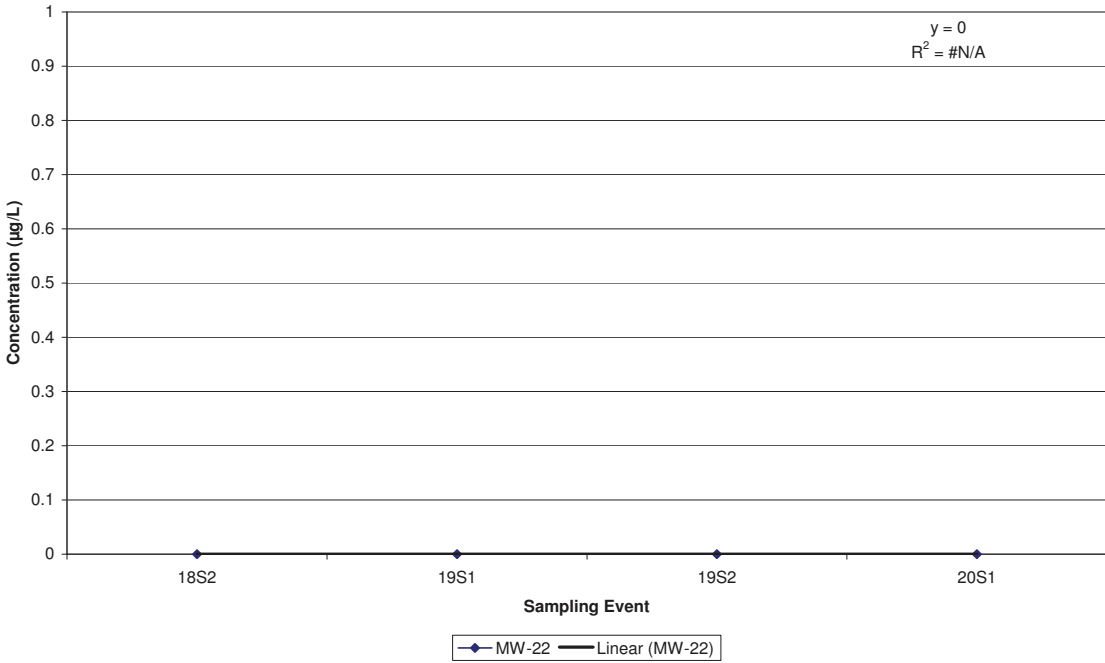
Citrus County Central Landfill  
Historic Ethylbenzene in MW-20



Citrus County Central Landfill  
Historic Ethylbenzene in MW-21



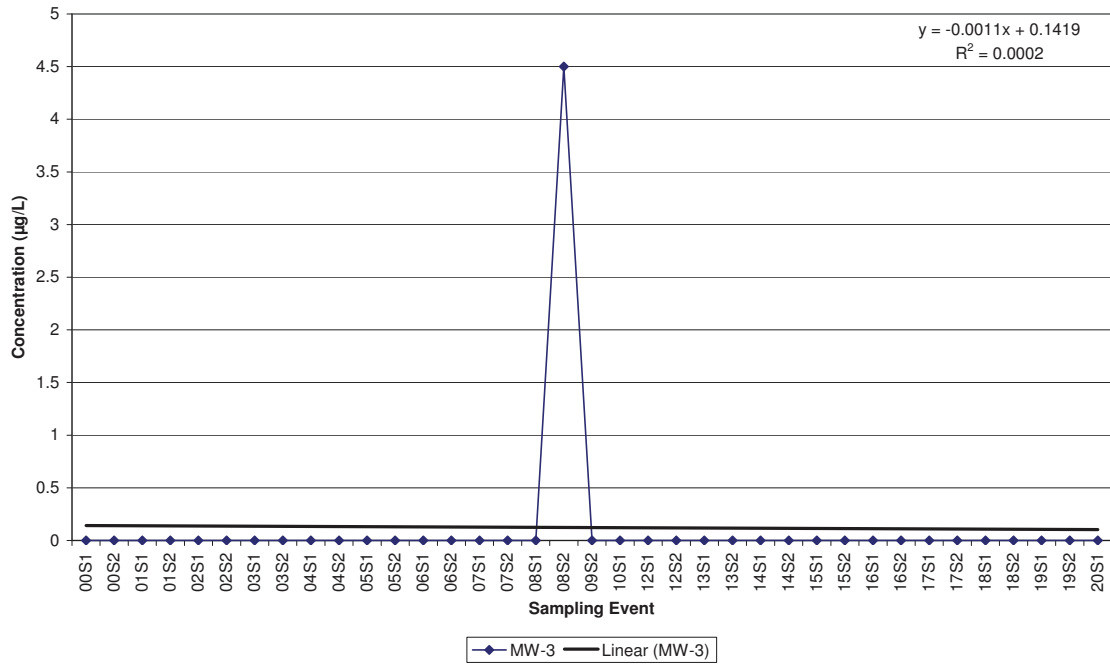
Citrus County Central Landfill  
Historic Ethylbenzene in MW-22



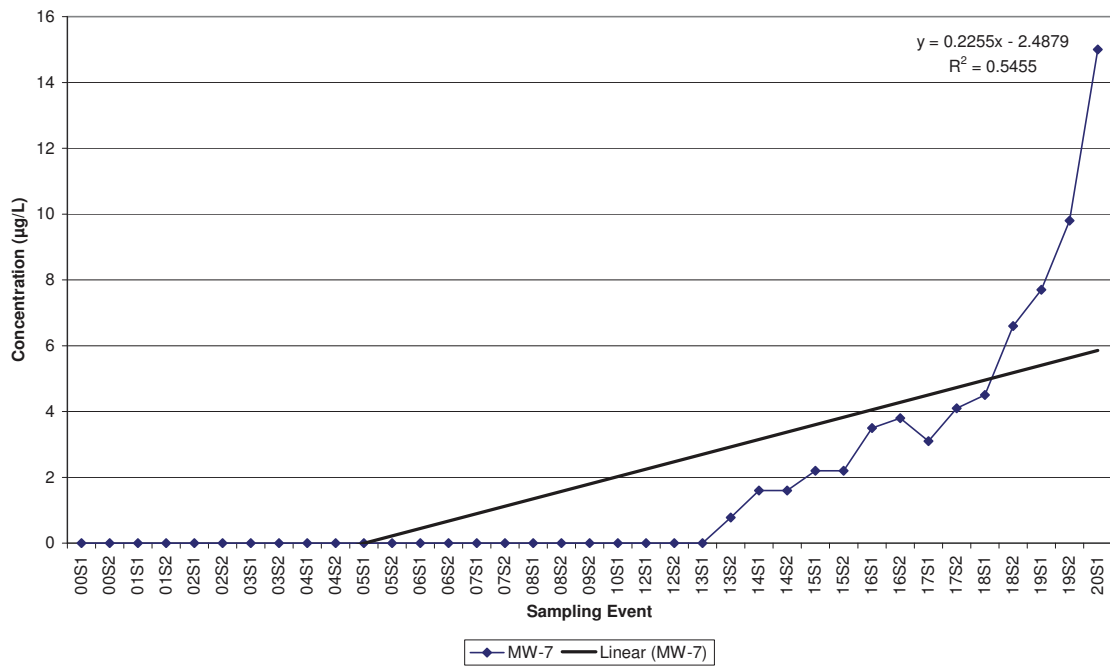


**Citrus County Central Landfill  
Historical 1,4-Dichlorobenzene Data**

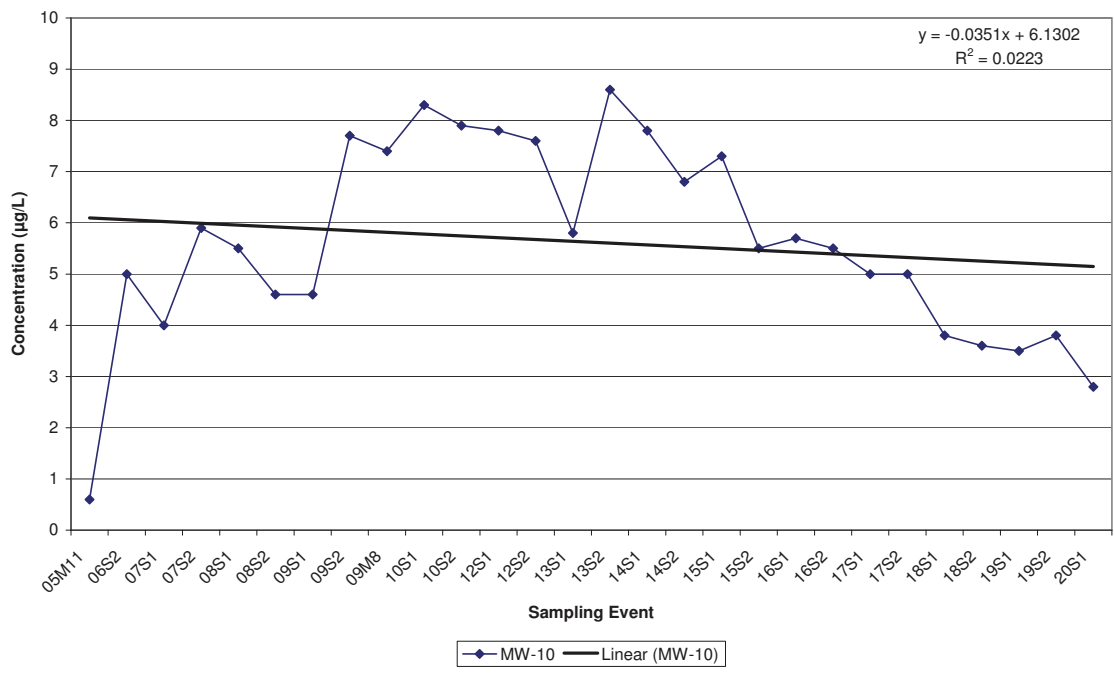
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-3



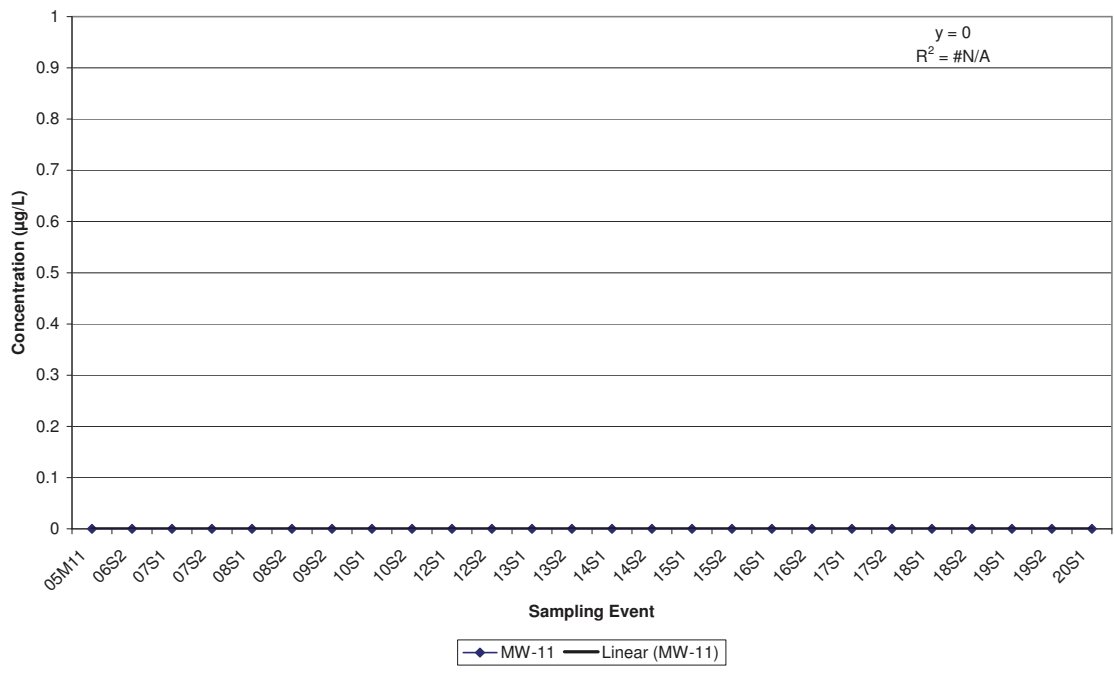
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-7



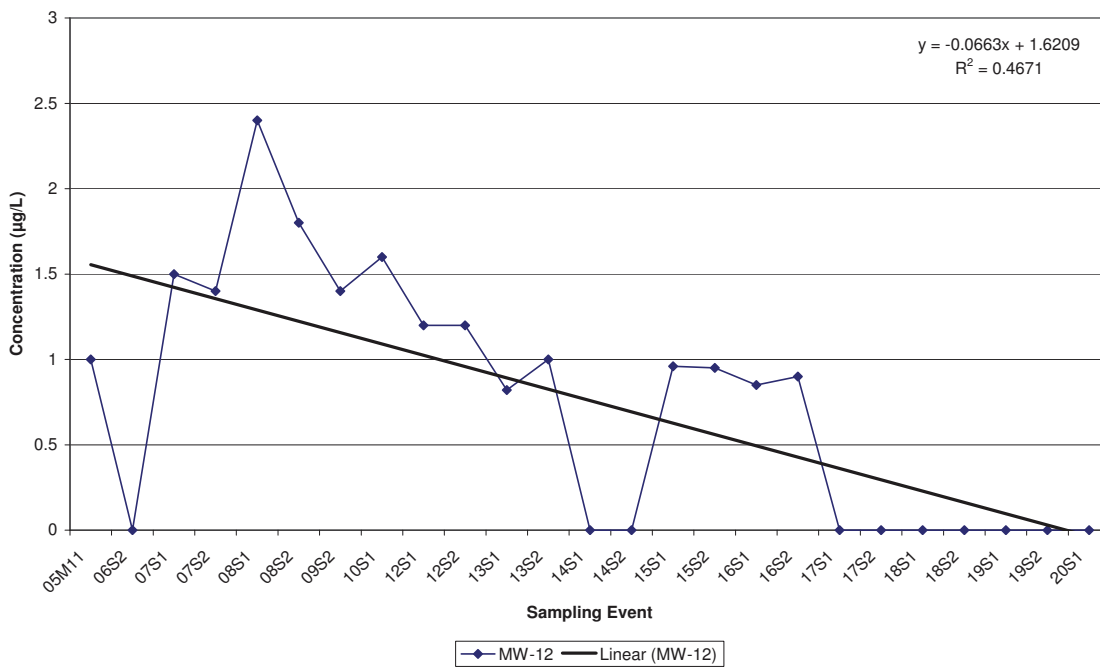
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-10**



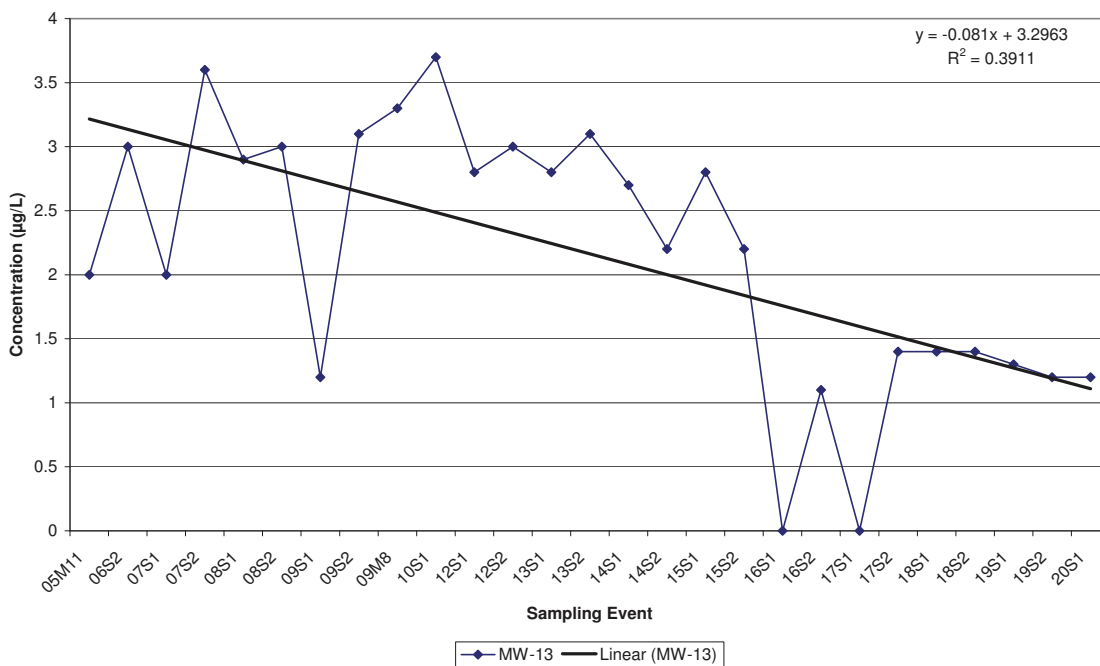
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-11**



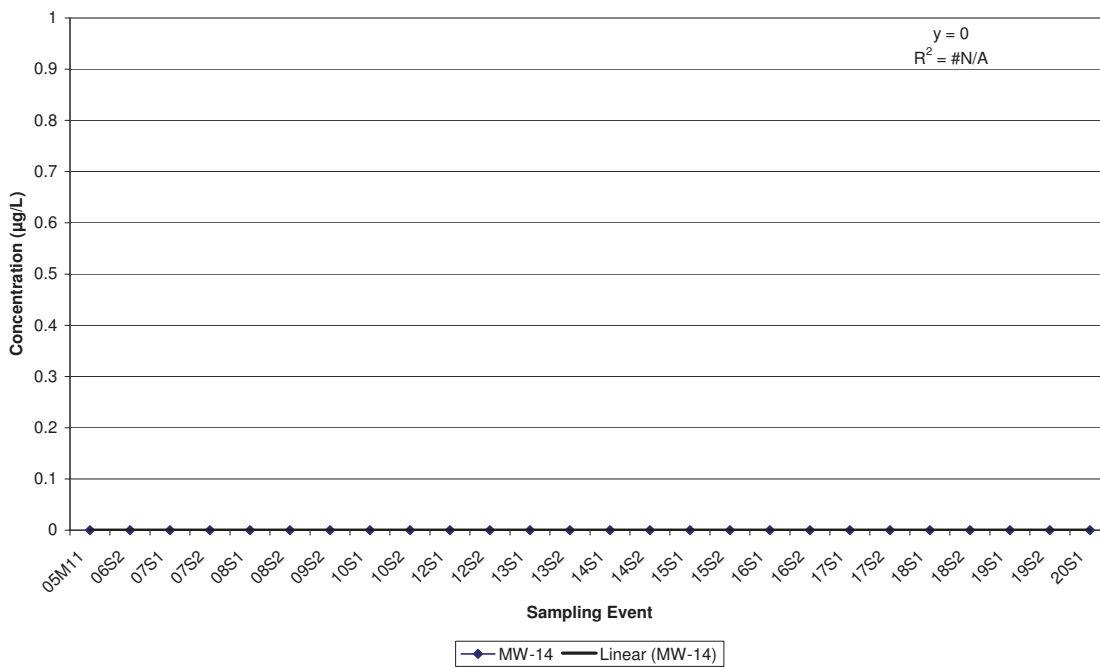
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-12**



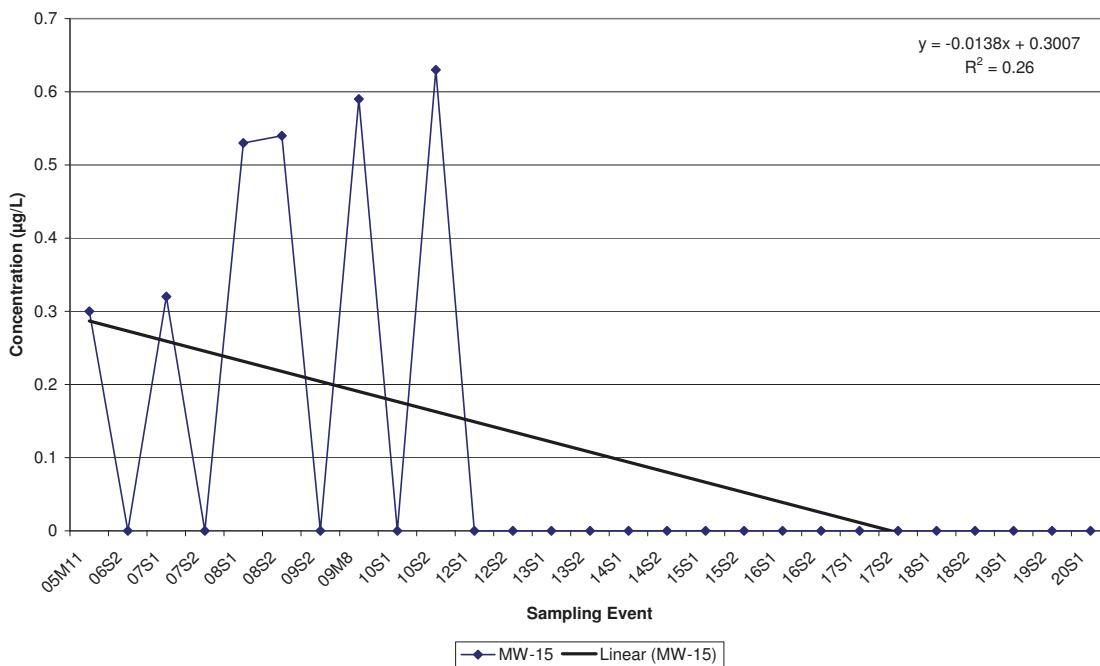
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-13**



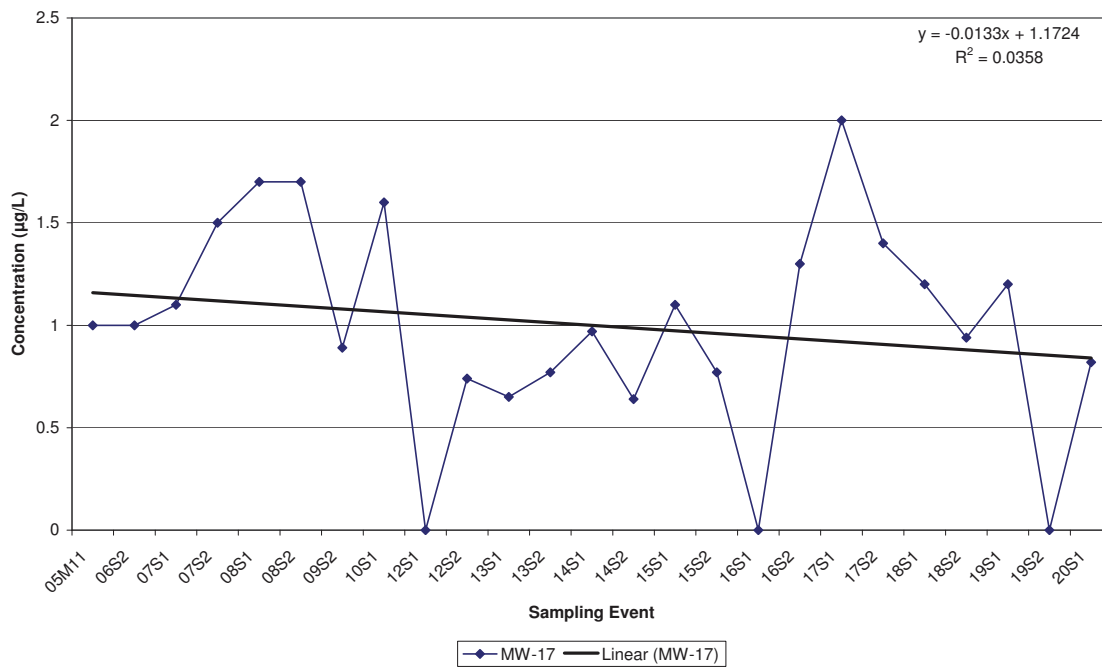
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-14



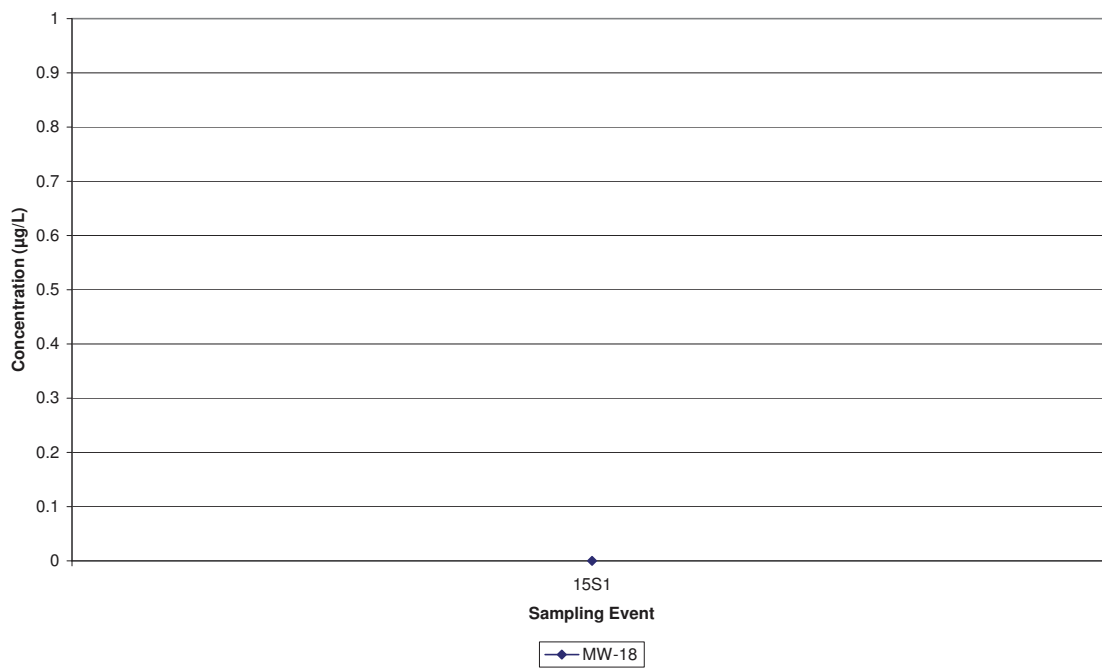
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-15



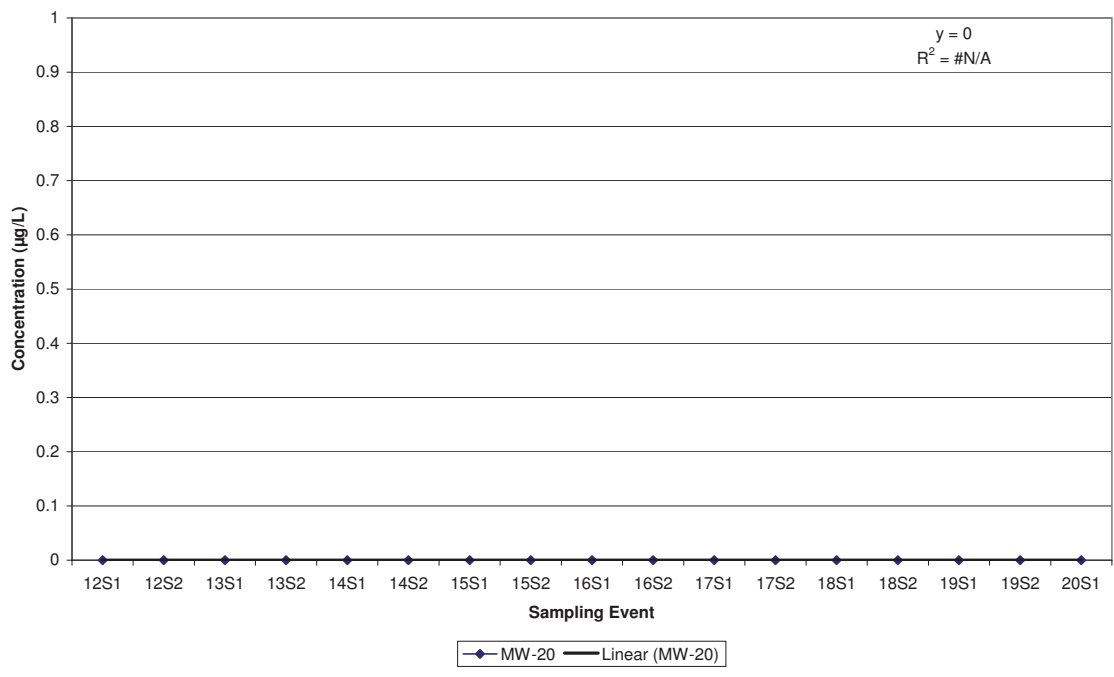
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-17



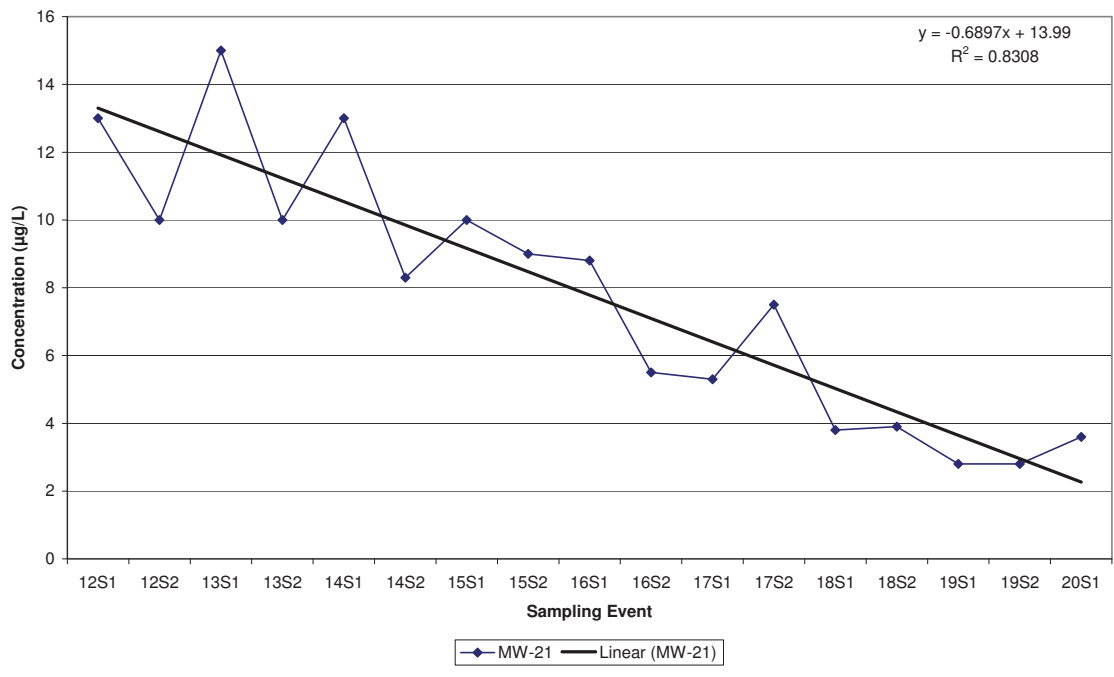
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-18



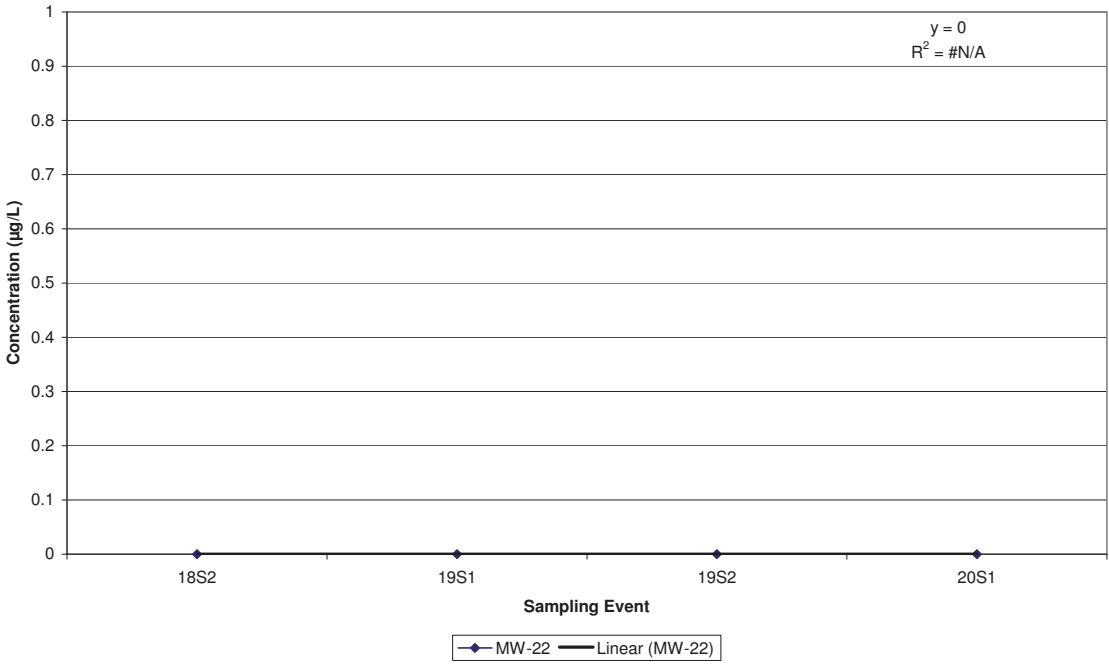
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-20



Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-21



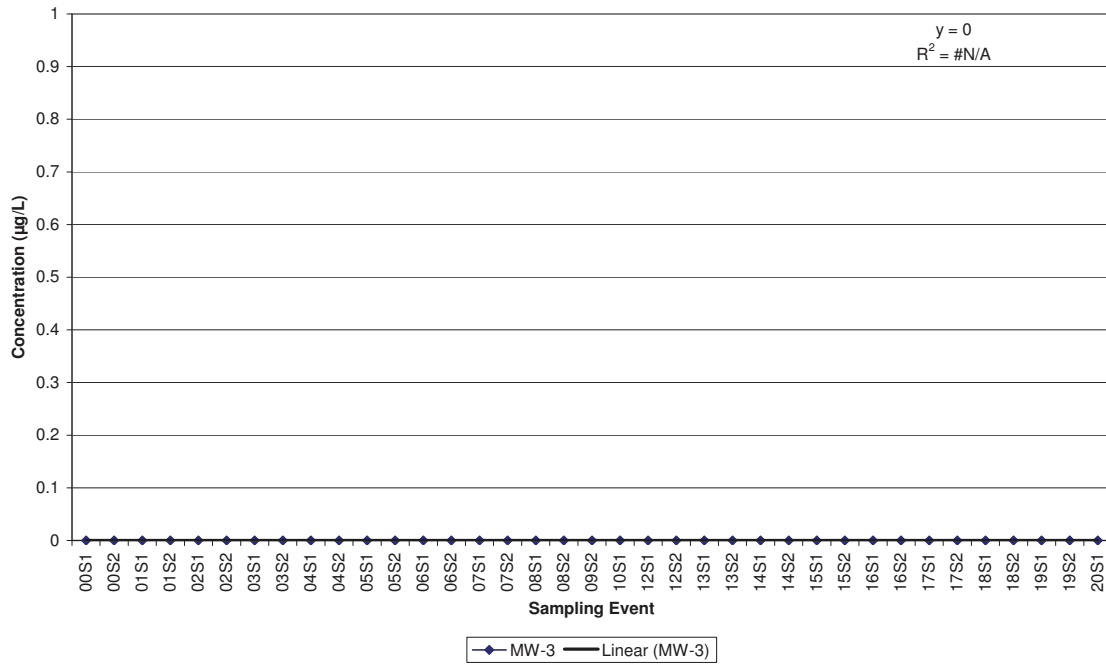
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-22



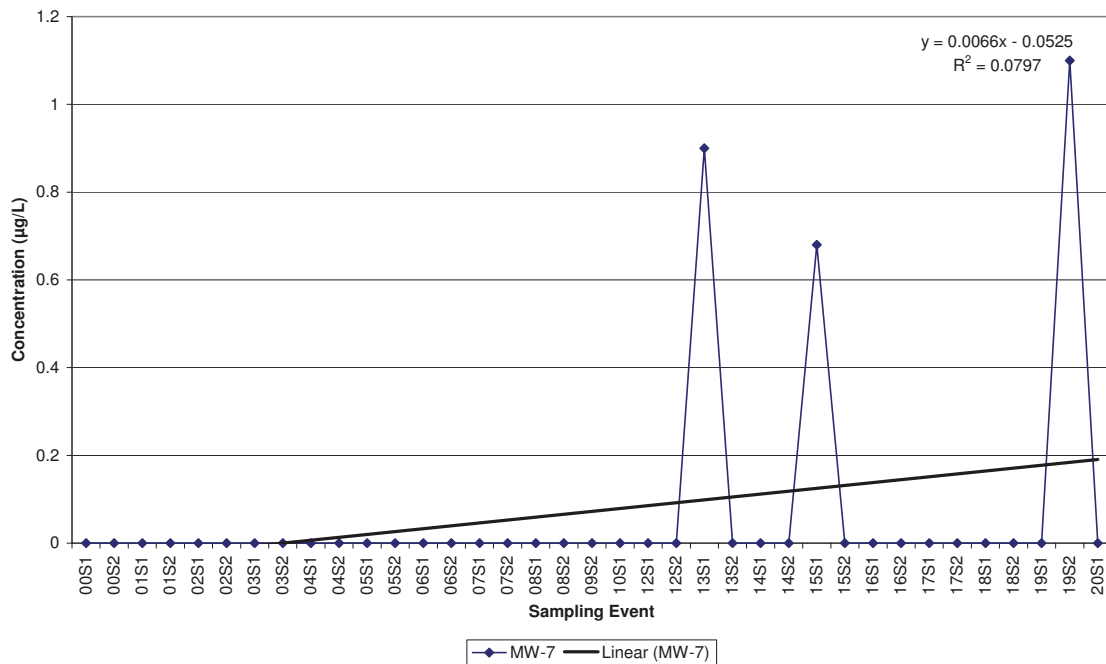


**Citrus County Central Landfill  
Historical Vinyl Chloride Data**

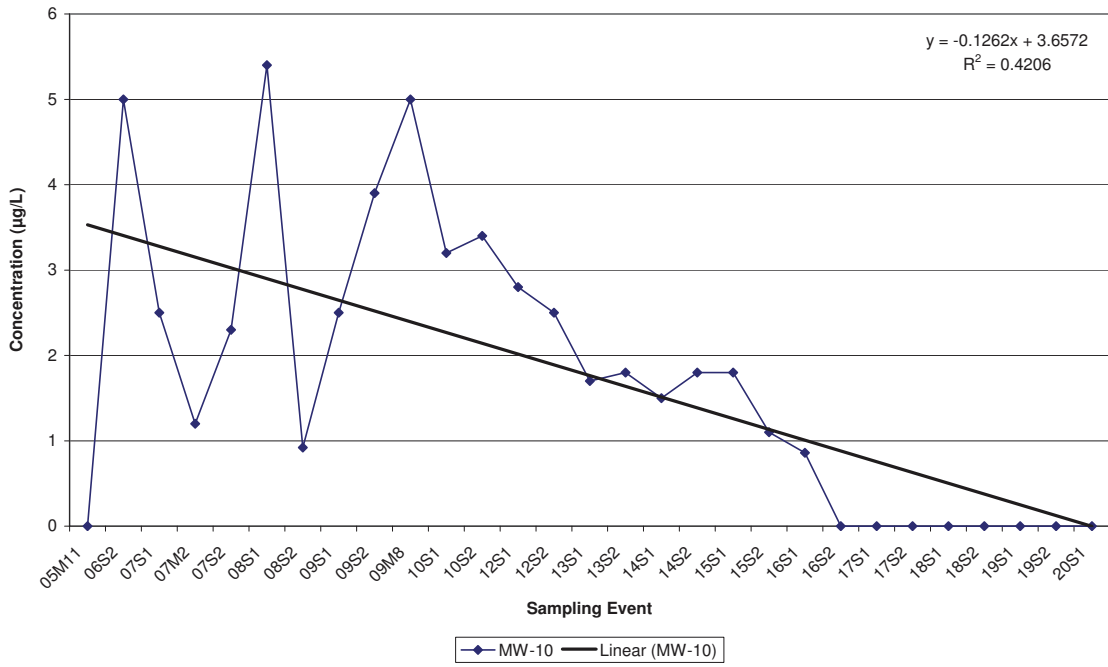
Citrus County Central Landfill  
Historic Vinyl chloride in MW-3



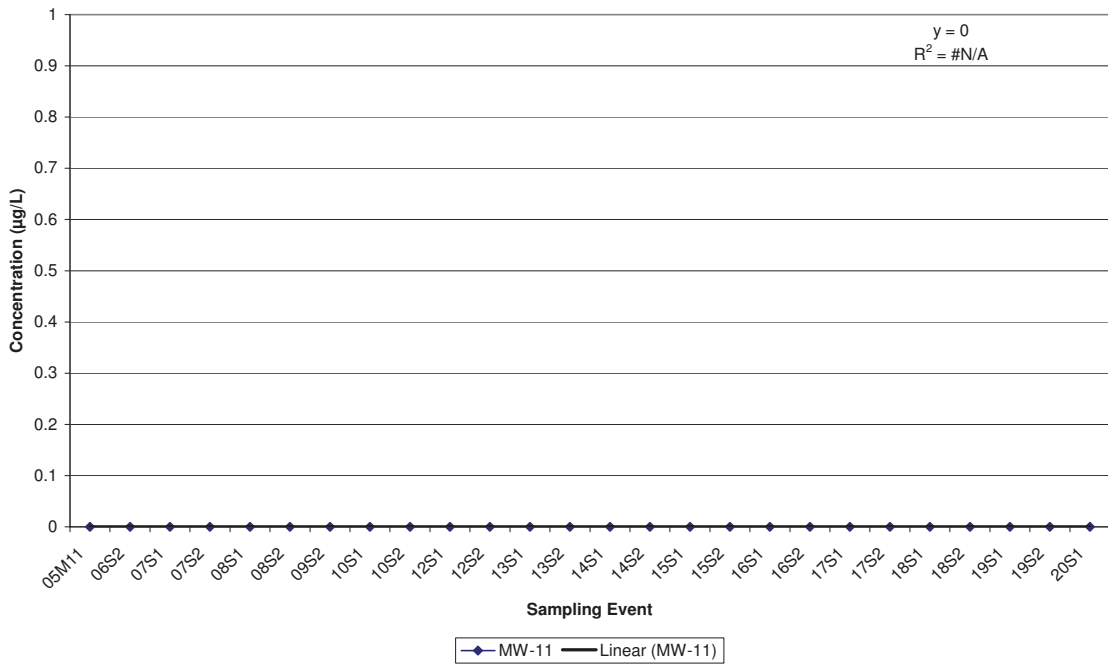
Citrus County Central Landfill  
Historic Vinyl chloride in MW-7



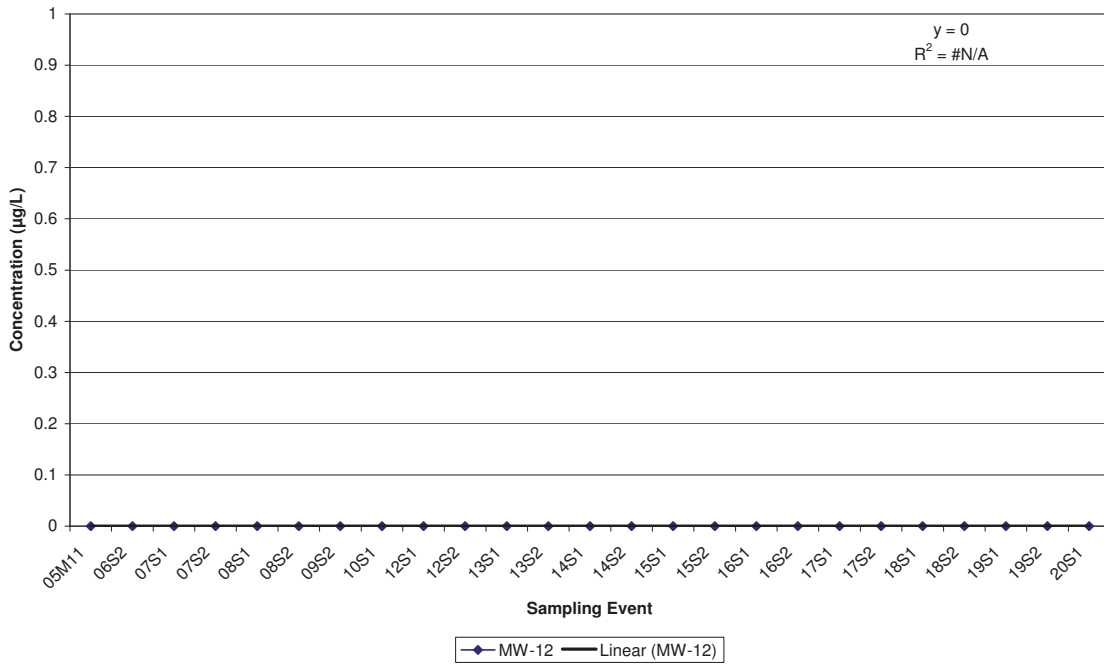
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-10**



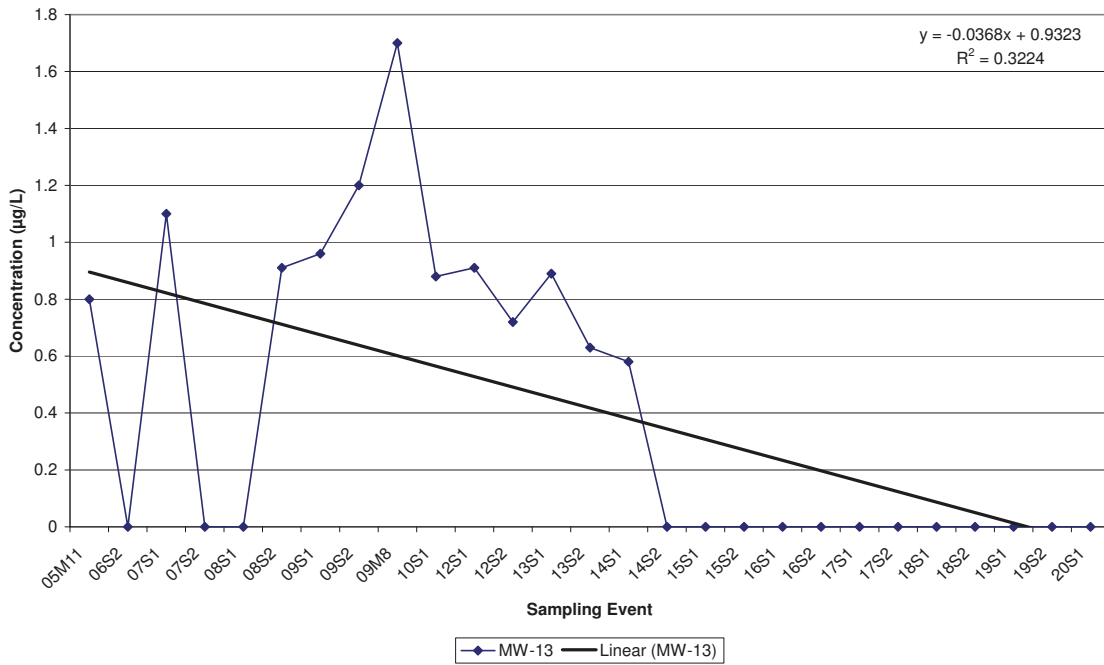
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-11**



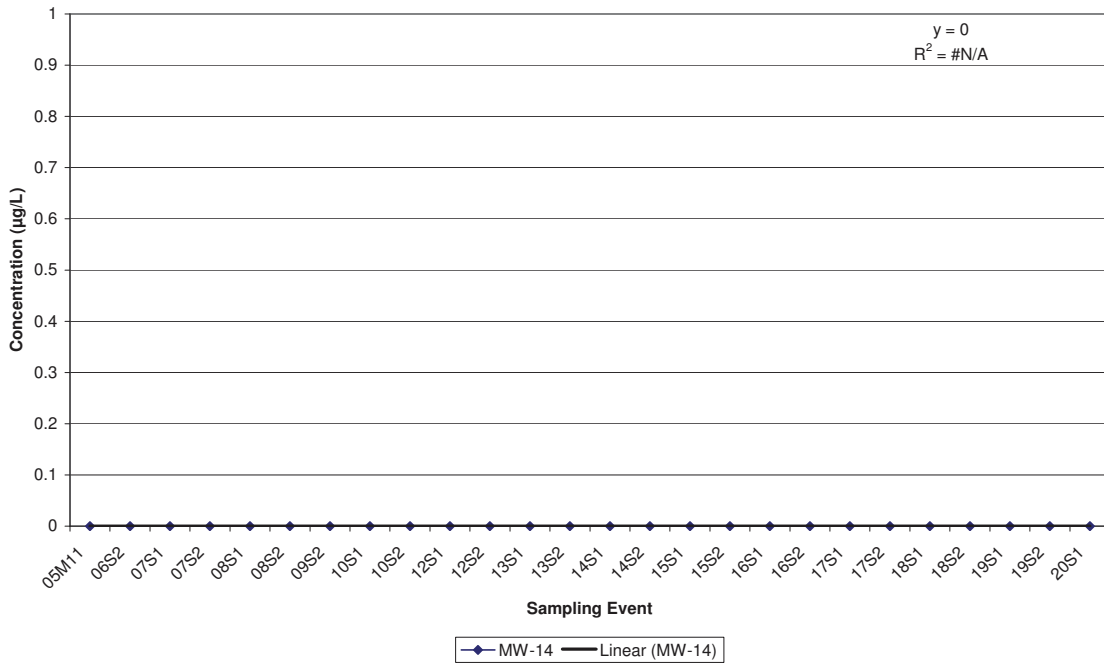
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-12**



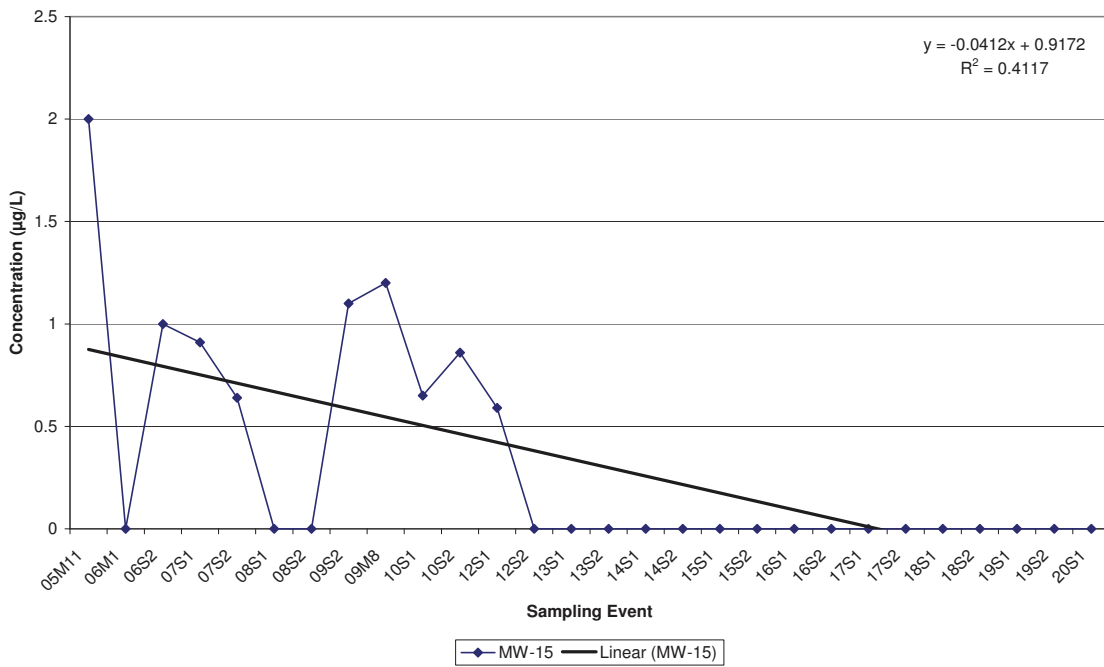
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-13**



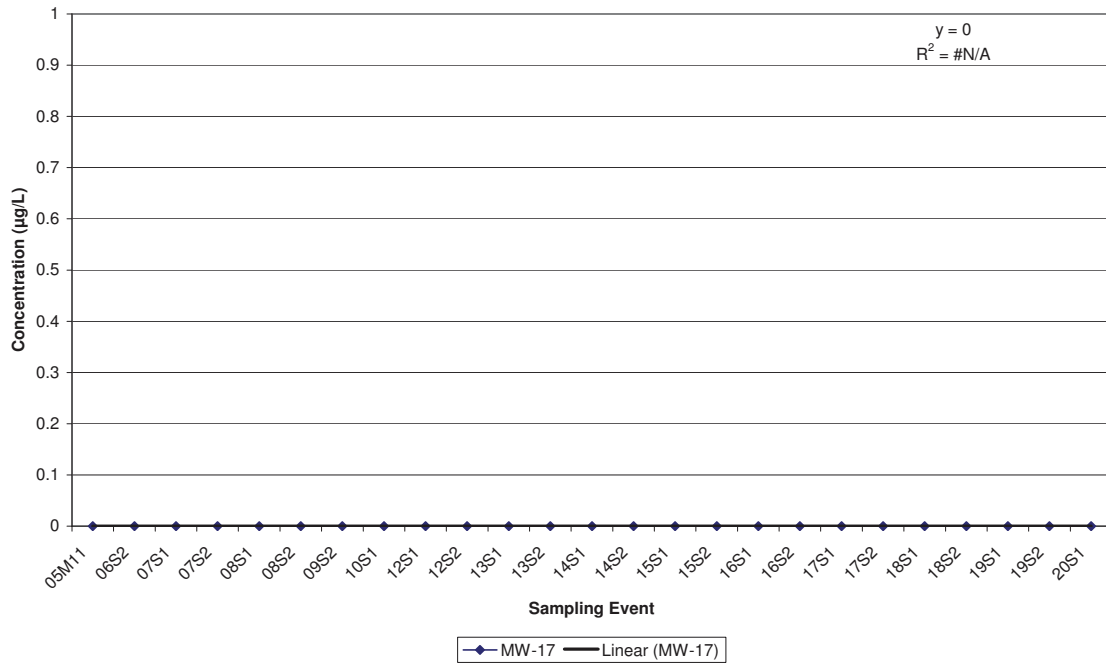
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-14**



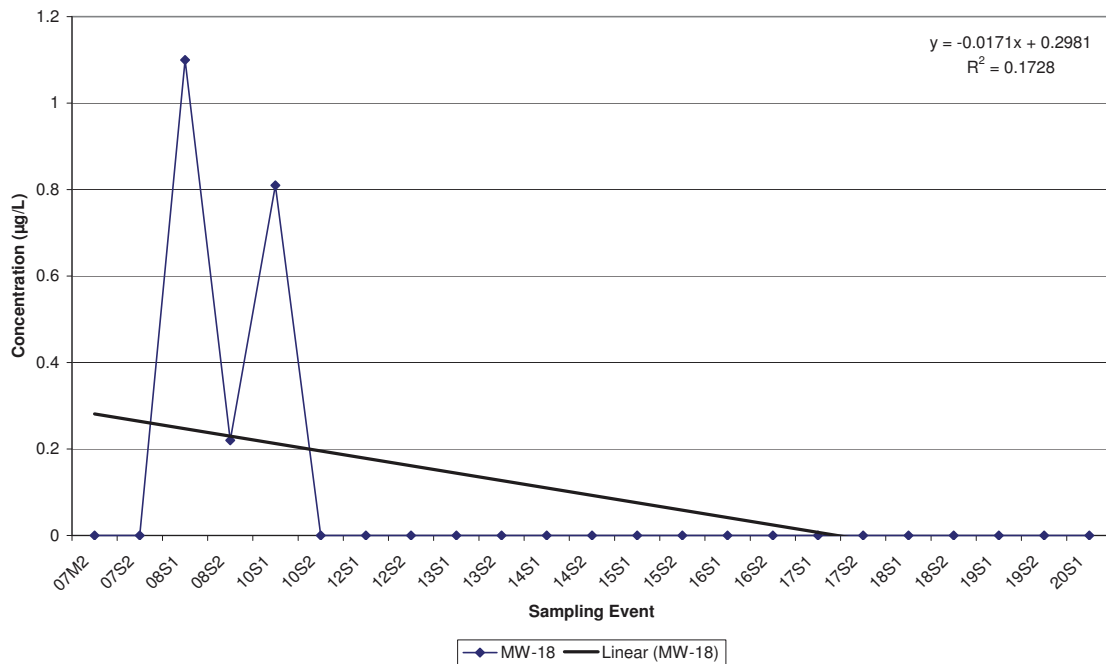
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-15**



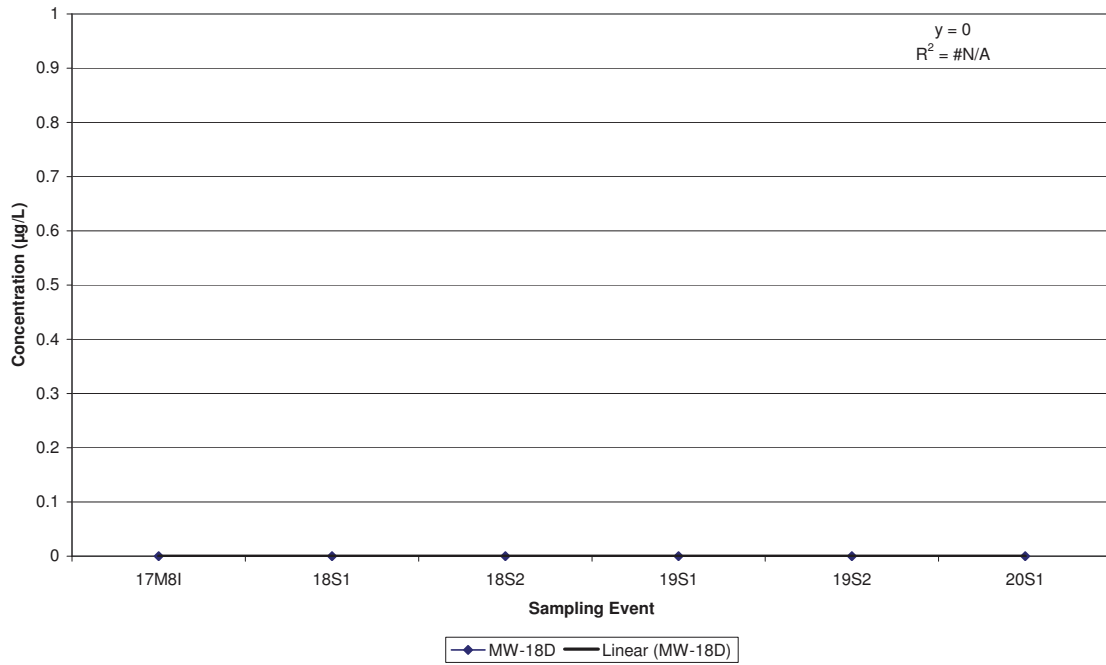
Citrus County Central Landfill  
Historic Vinyl chloride in MW-17



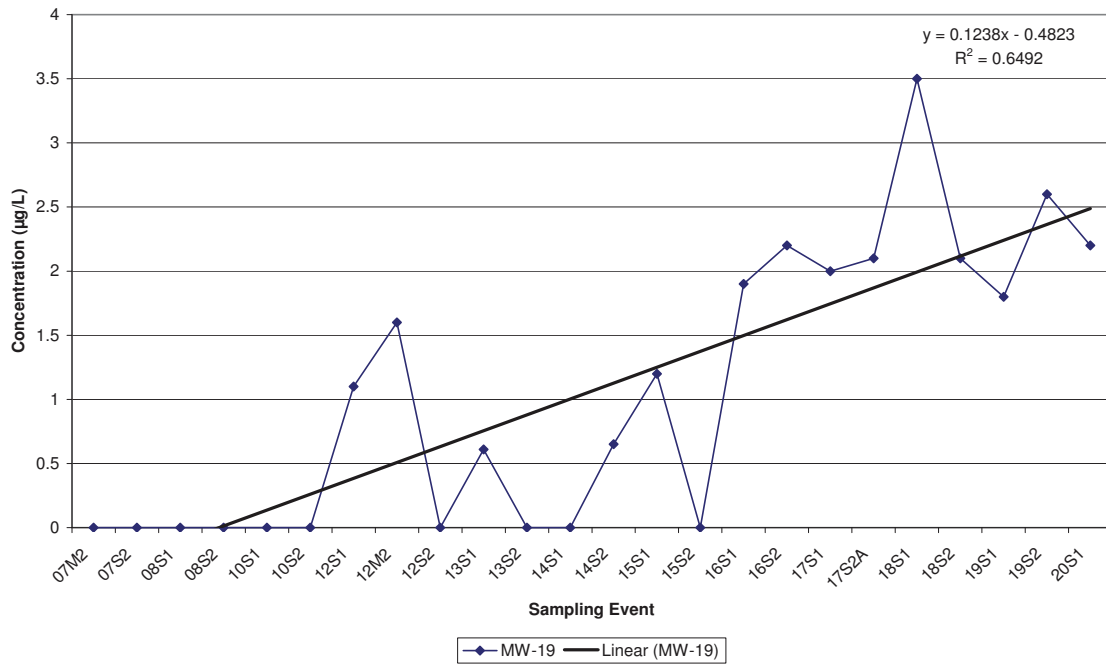
Citrus County Central Landfill  
Historic Vinyl chloride in MW-18



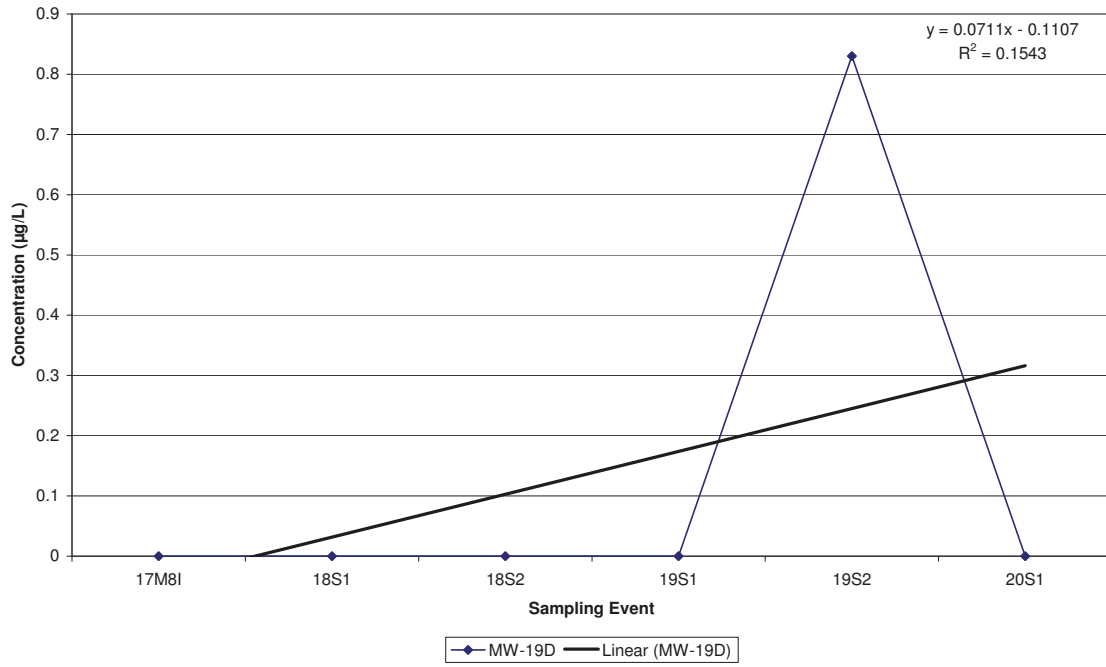
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-18D**



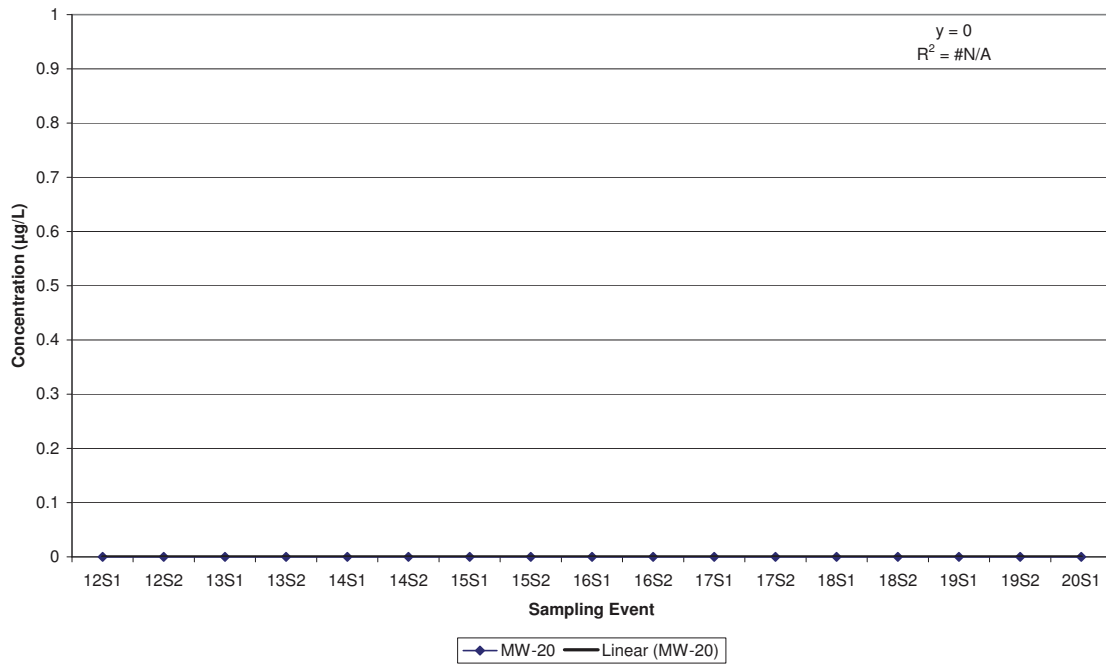
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-19**



Citrus County Central Landfill  
Historic Vinyl chloride in MW-19D

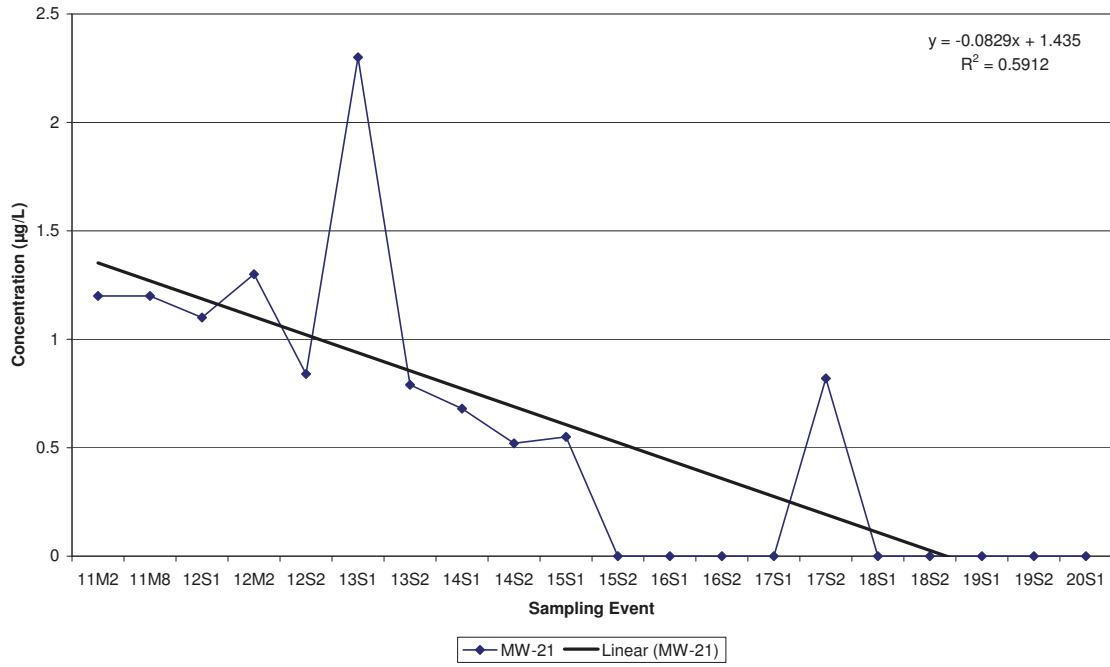


Citrus County Central Landfill  
Historic Vinyl chloride in MW-20

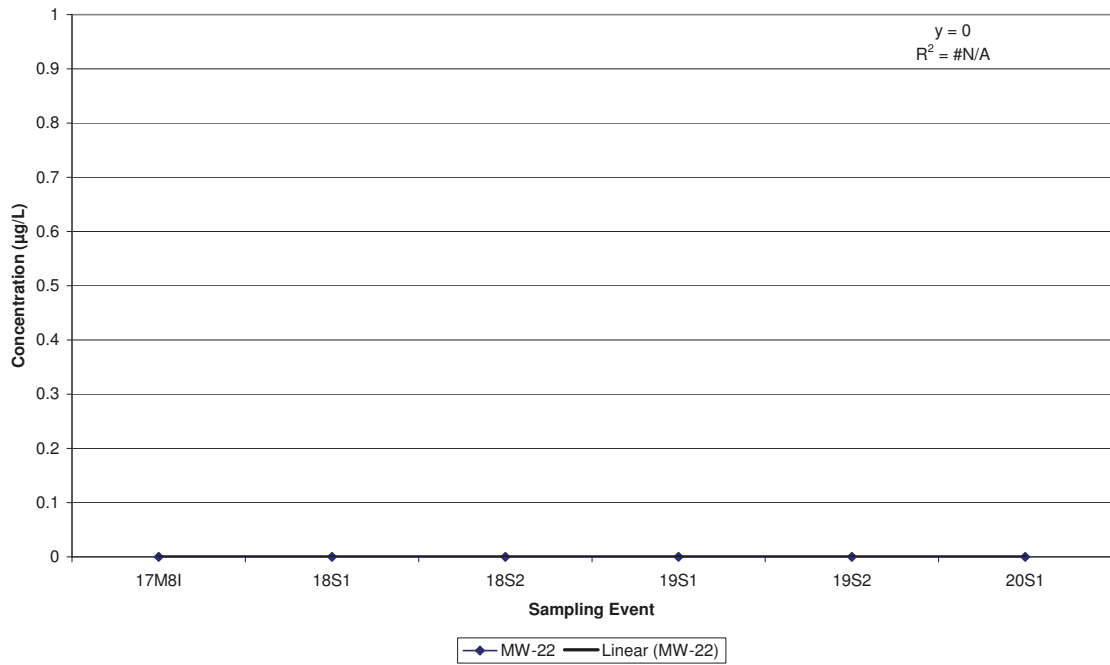




Citrus County Central Landfill  
Historic Vinyl chloride in MW-21

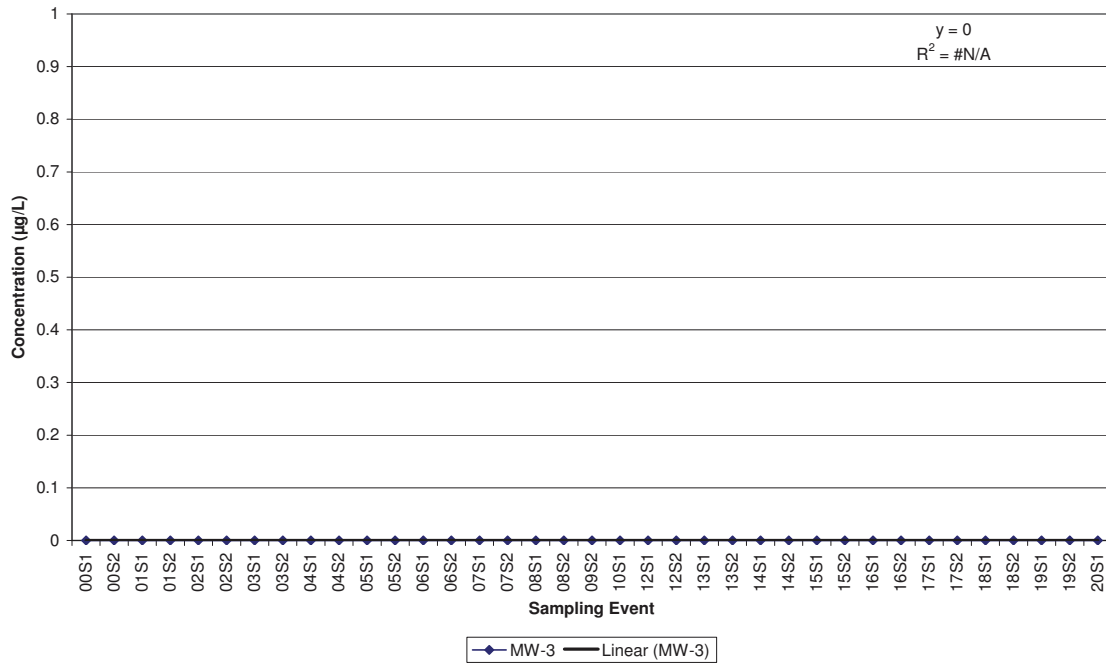


Citrus County Central Landfill  
Historic Vinyl chloride in MW-22

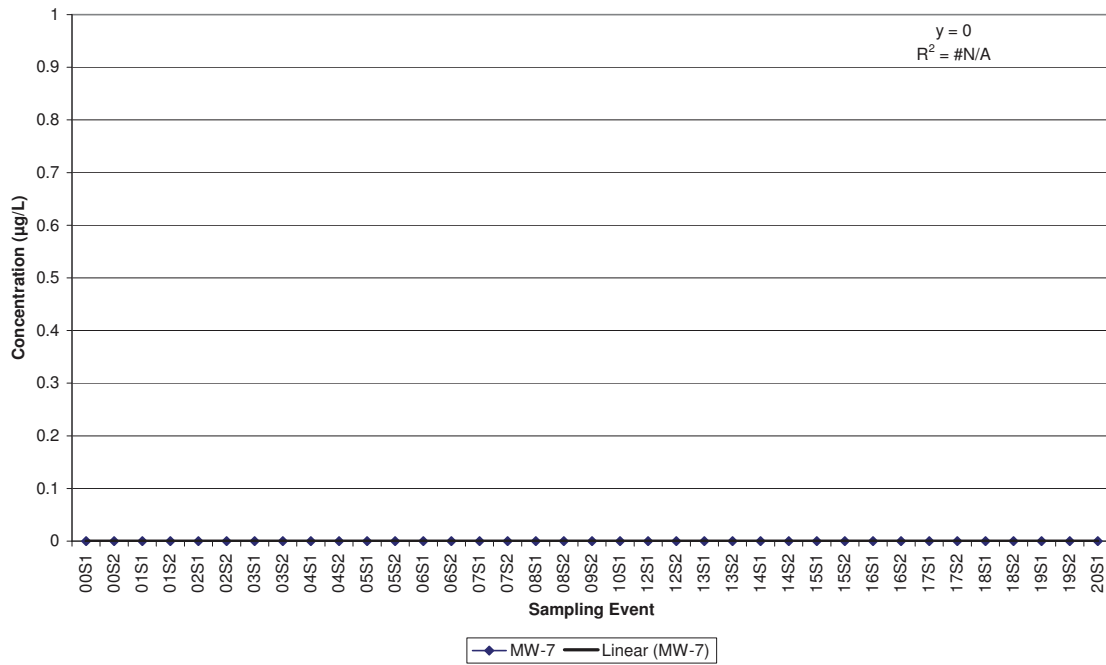


**Citrus County Central Landfill  
Historical Trichloroethene Data**

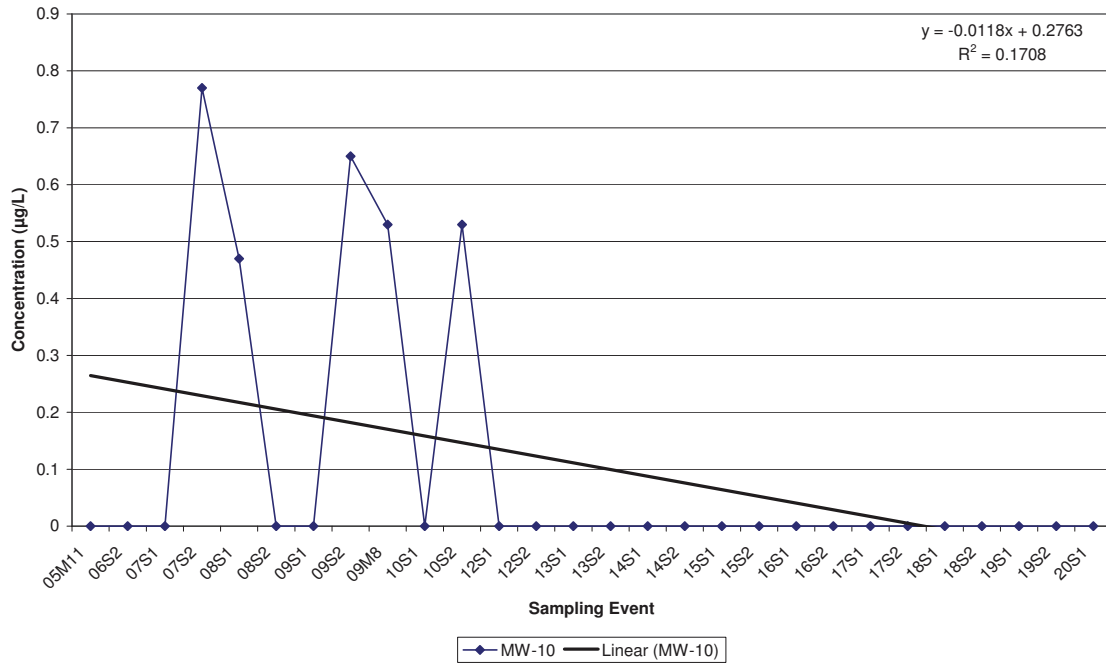
Citrus County Central Landfill  
Historic Trichloroethene in MW-3



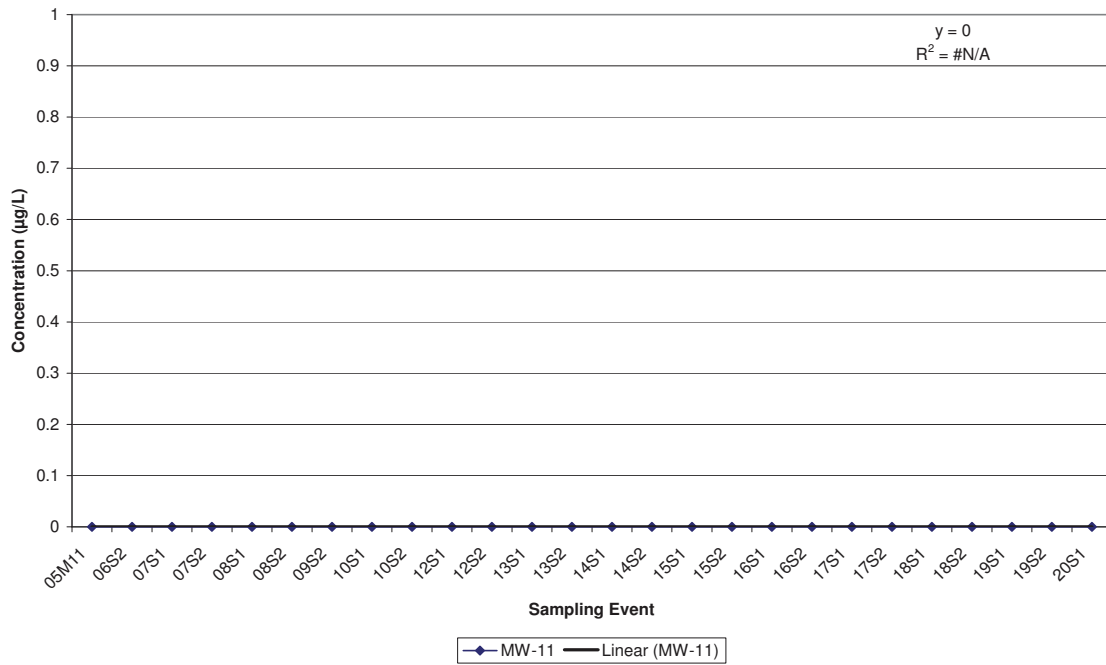
Citrus County Central Landfill  
Historic Trichloroethene in MW-7



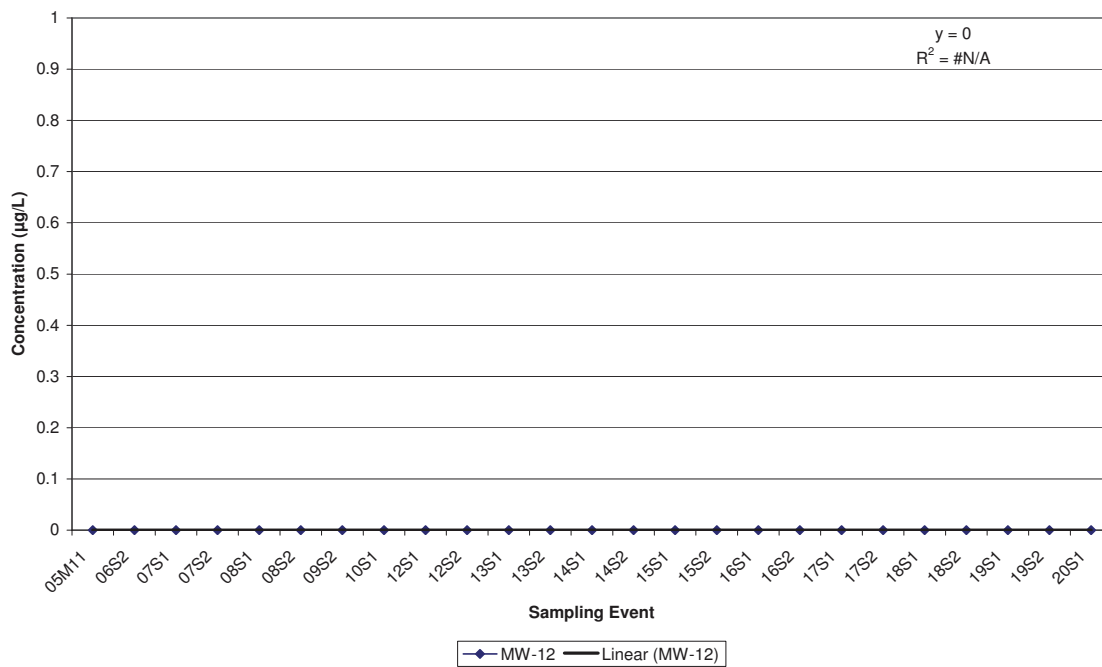
**Citrus County Central Landfill  
Historic Trichloroethene in MW-10**



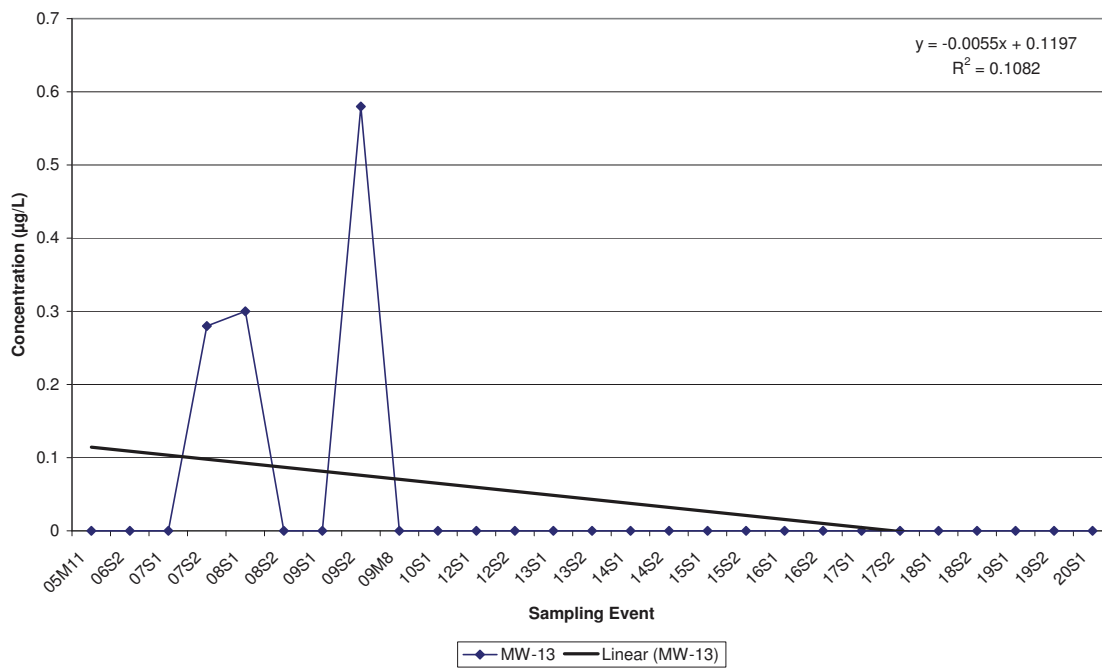
**Citrus County Central Landfill  
Historic Trichloroethene in MW-11**



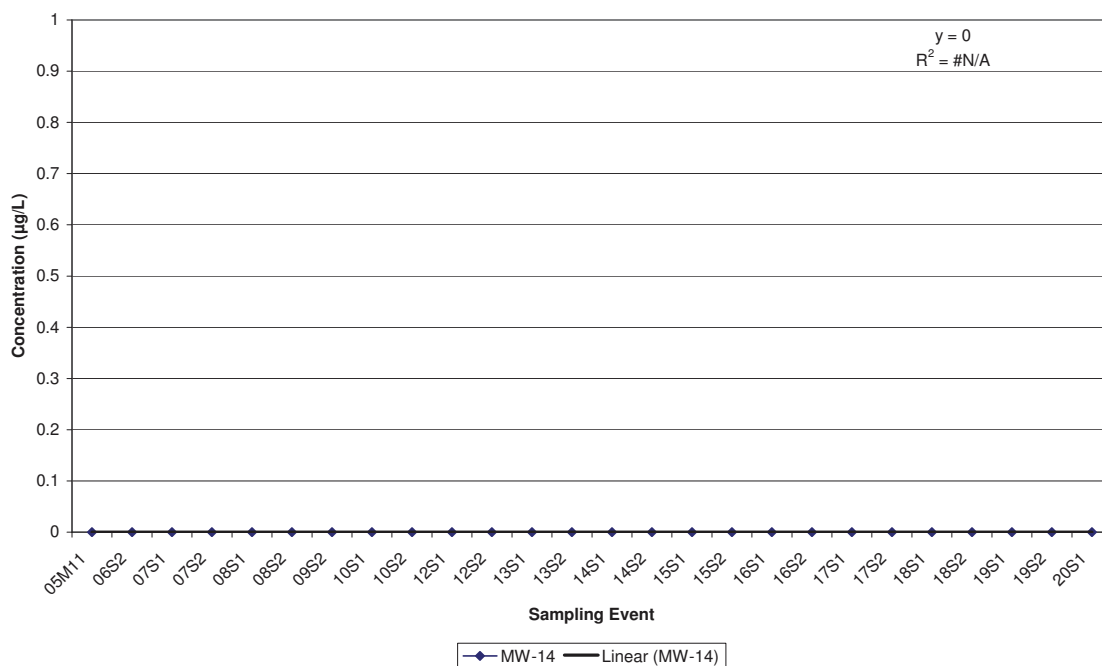
**Citrus County Central Landfill  
Historic Trichloroethene in MW-12**



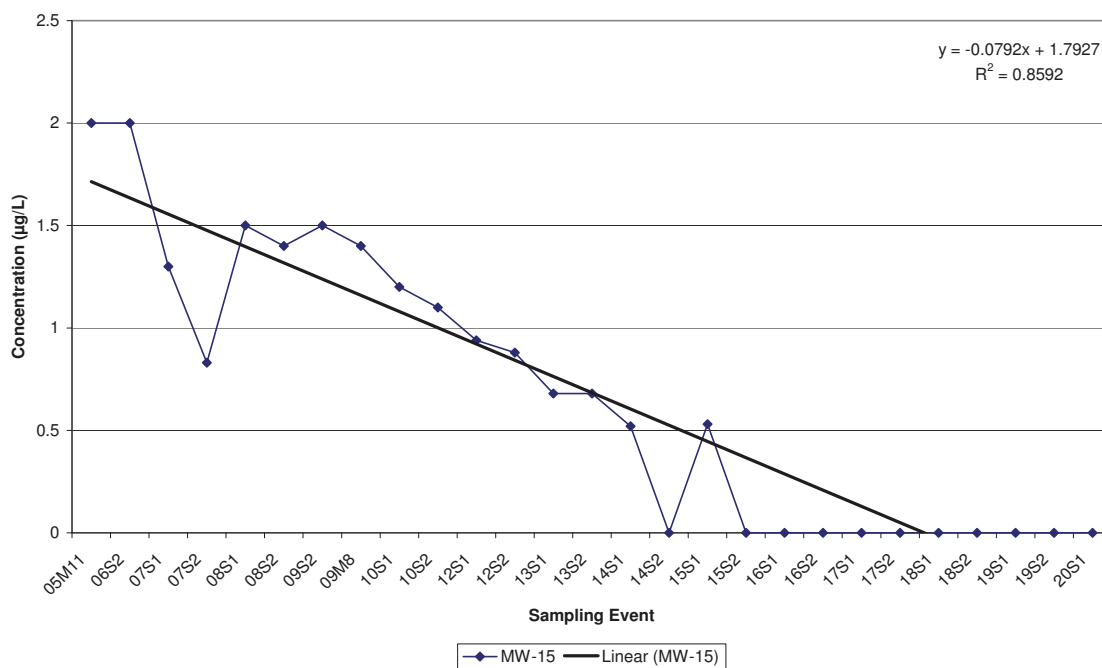
**Citrus County Central Landfill  
Historic Trichloroethene in MW-13**



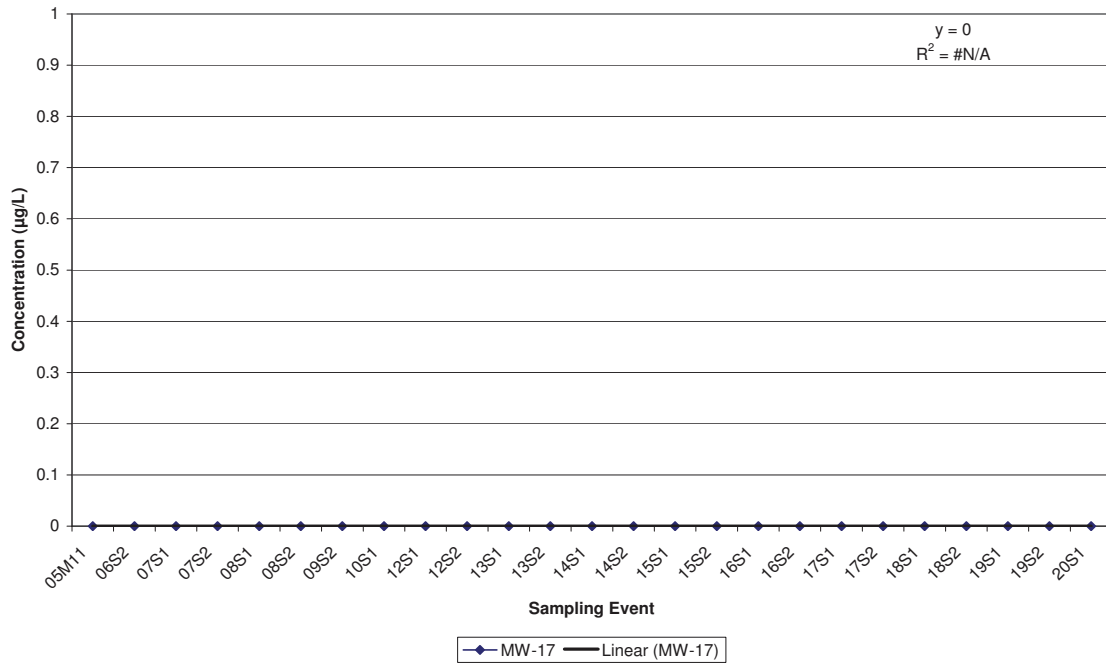
Citrus County Central Landfill  
Historic Trichloroethene in MW-14



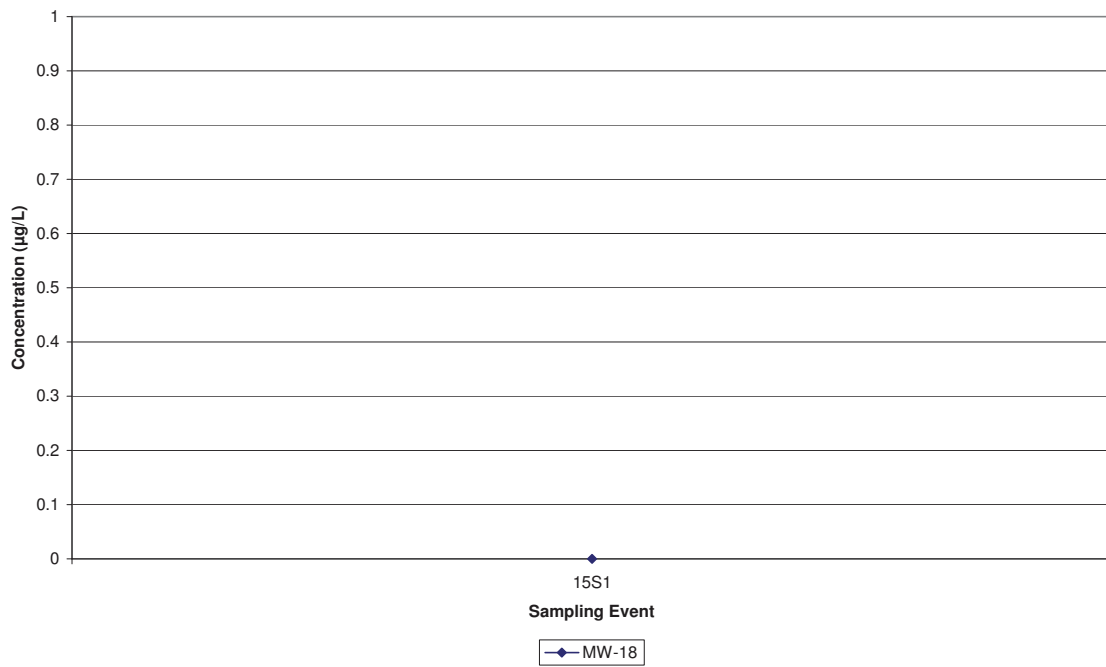
Citrus County Central Landfill  
Historic Trichloroethene in MW-15



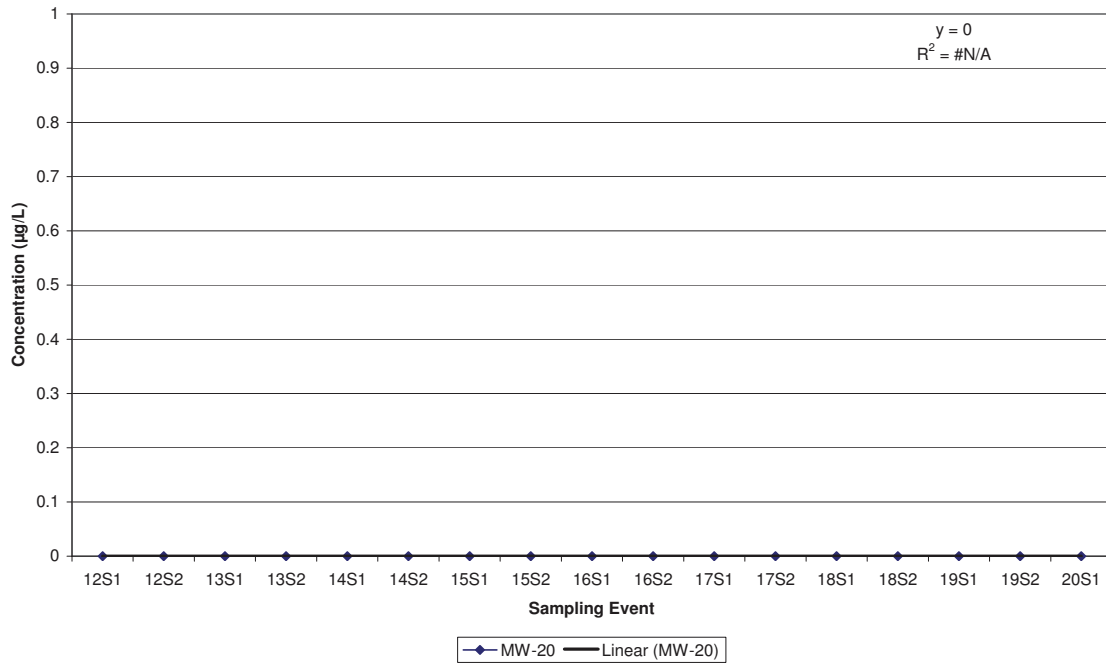
Citrus County Central Landfill  
Historic Trichloroethene in MW-17



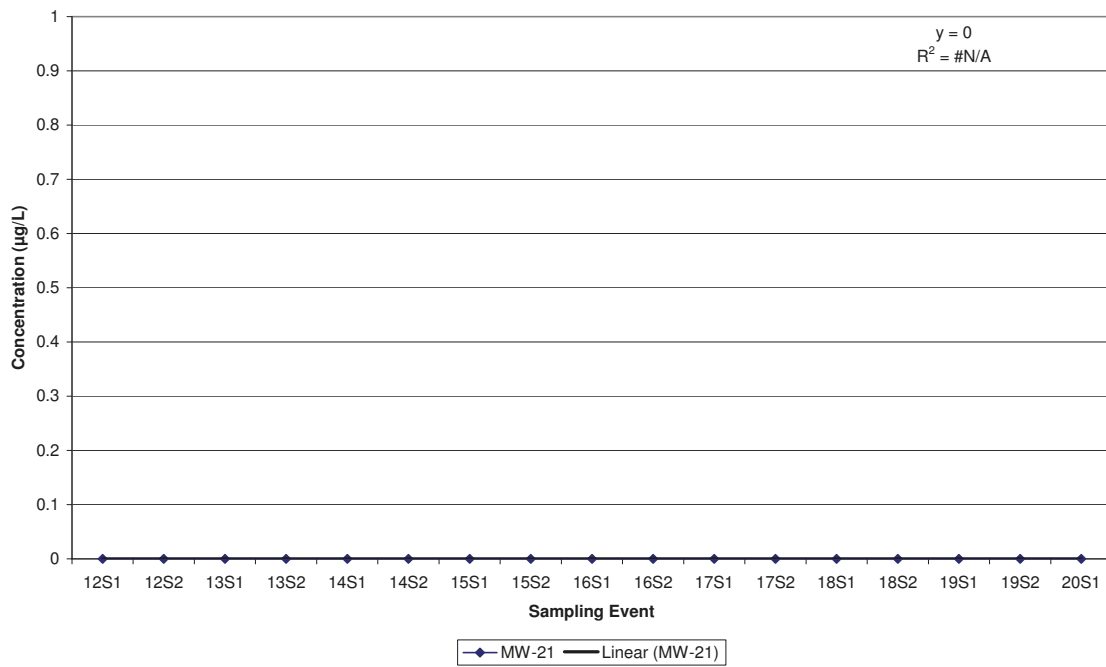
Citrus County Central Landfill  
Historic Trichloroethene in MW-18



Citrus County Central Landfill  
Historic Trichloroethene in MW-20

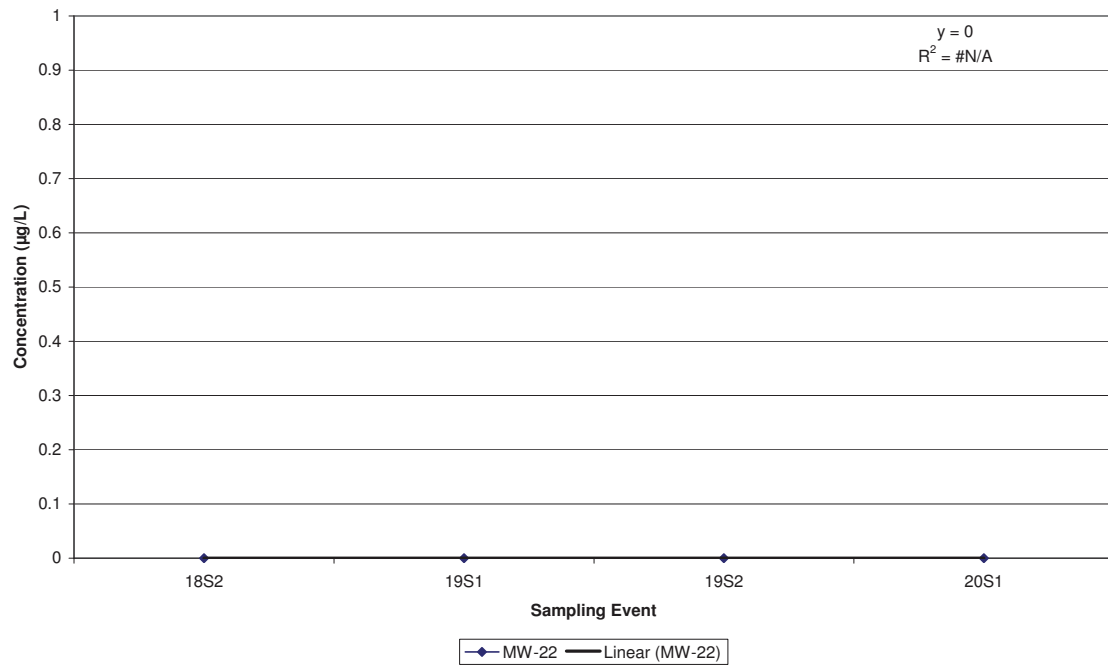


Citrus County Central Landfill  
Historic Trichloroethene in MW-21



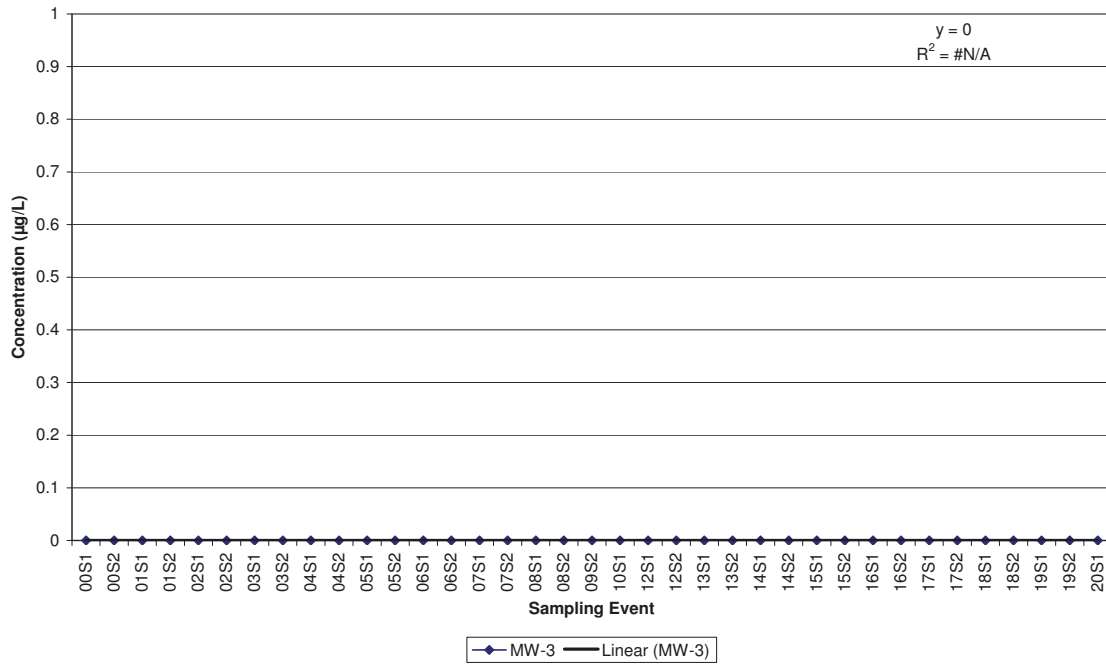


Citrus County Central Landfill  
Historic Trichloroethene in MW-22

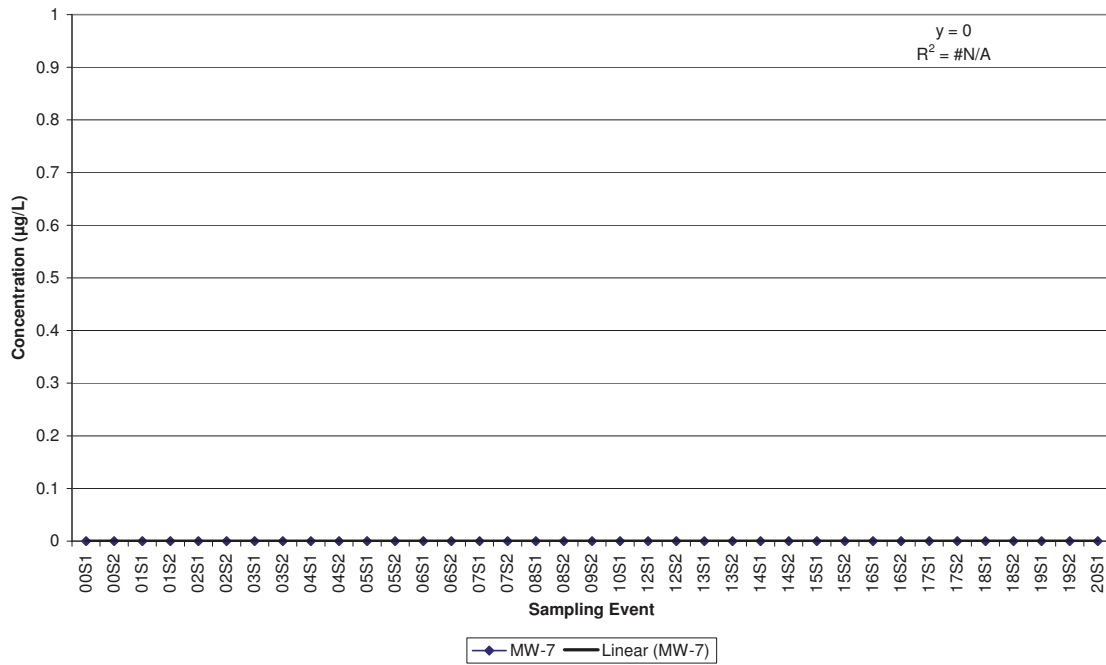


**Citrus County Central Landfill  
Historical 1,1-Dichloroethane Data**

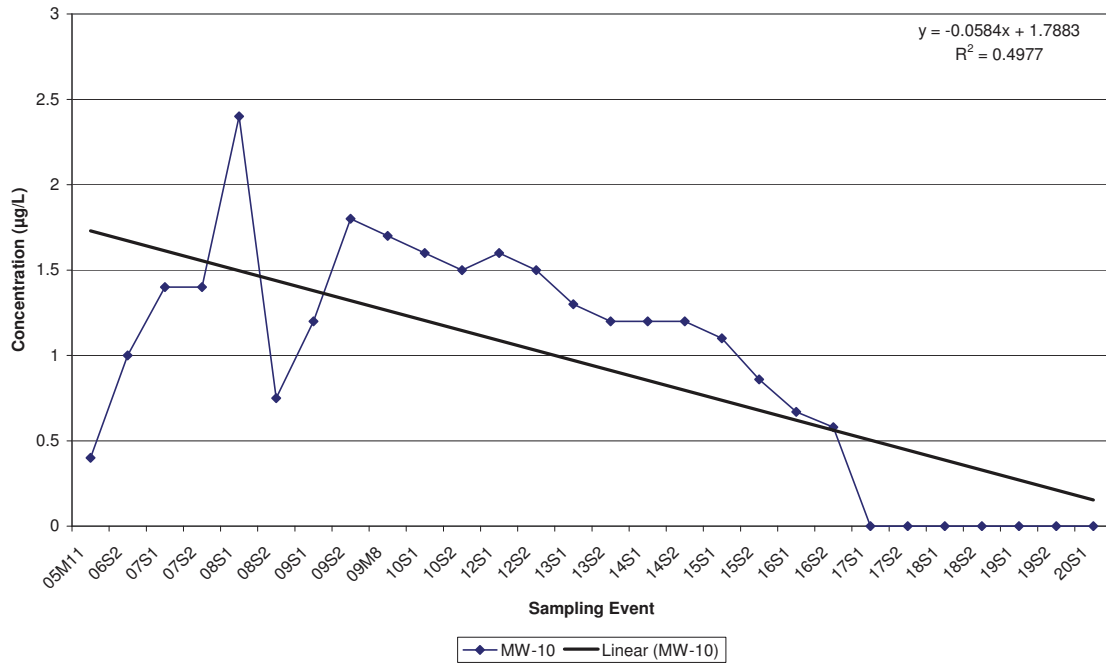
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-3



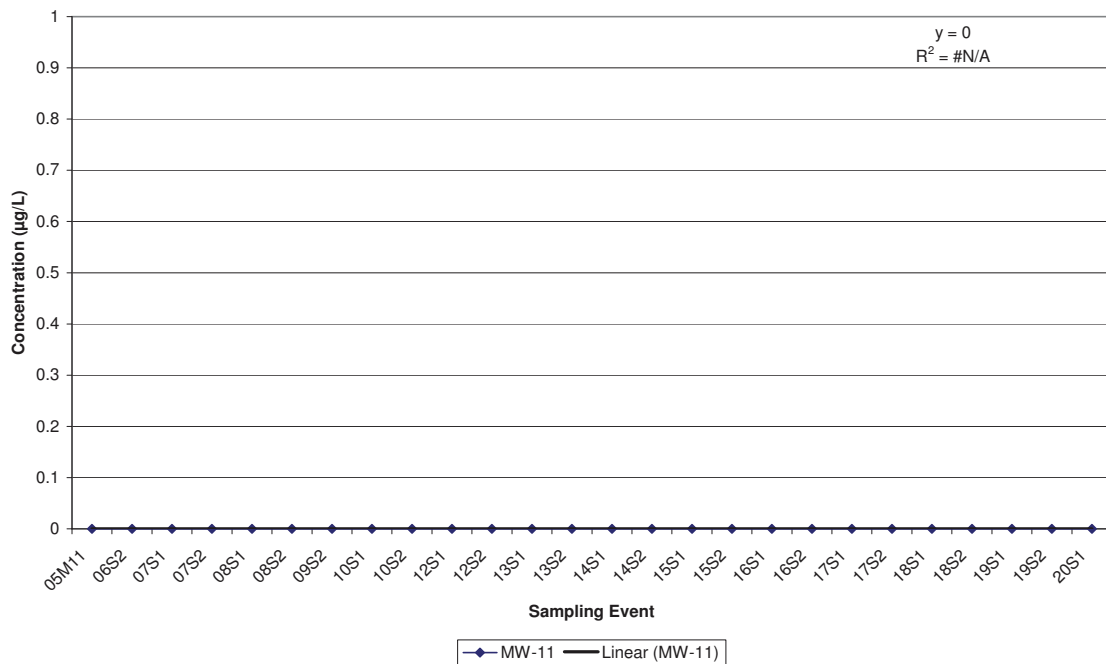
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-7



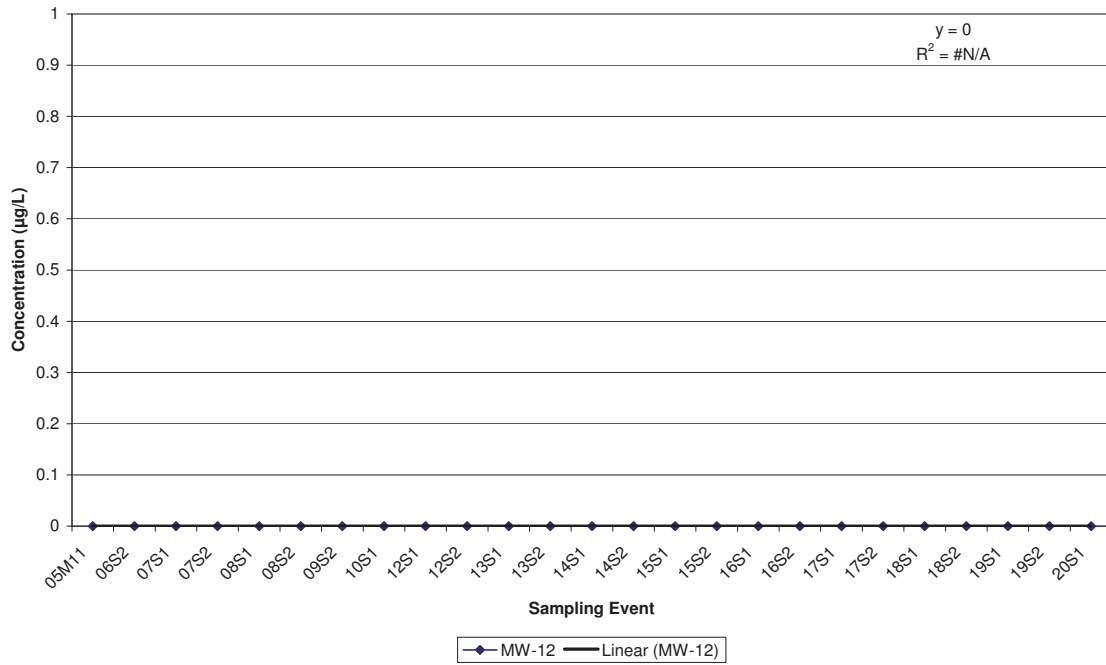
**Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-10**



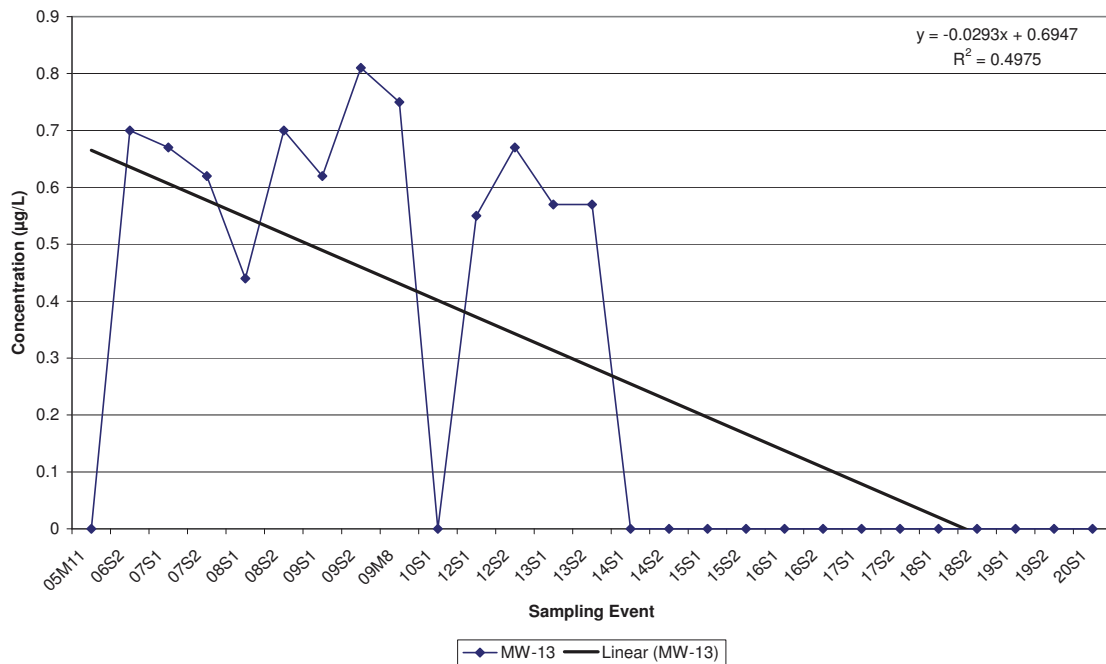
**Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-11**



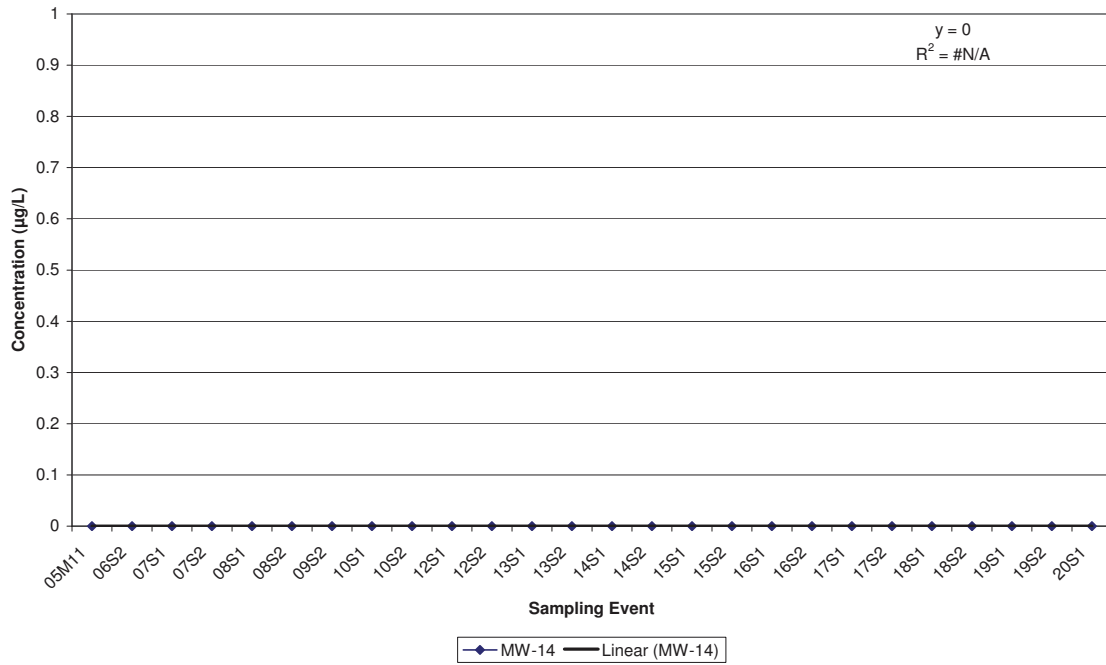
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-12



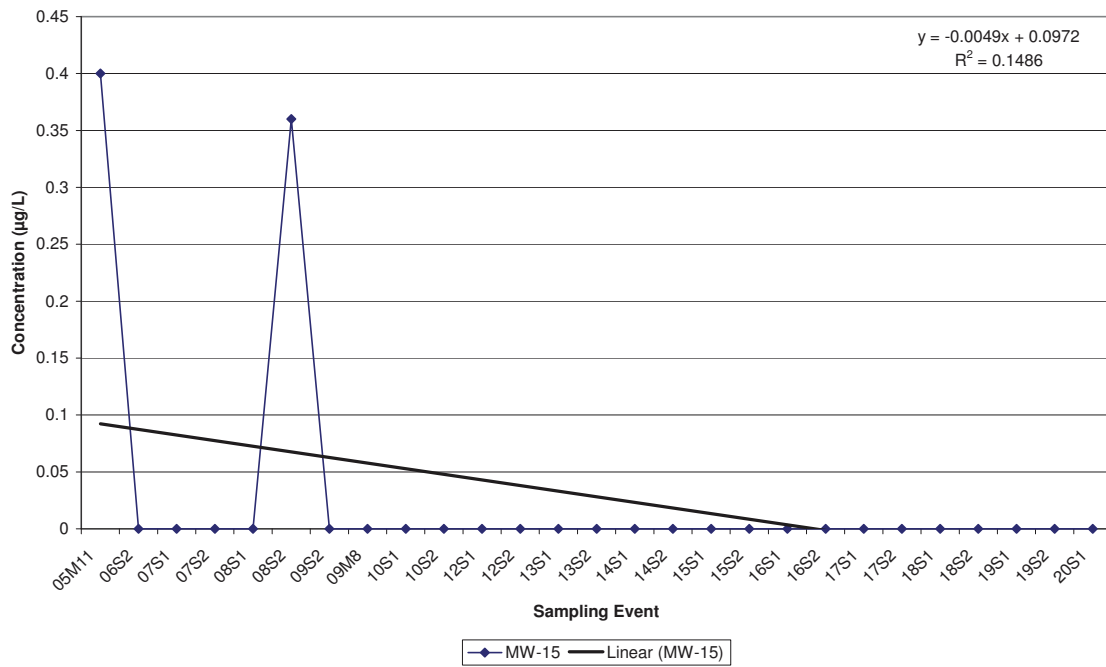
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-13



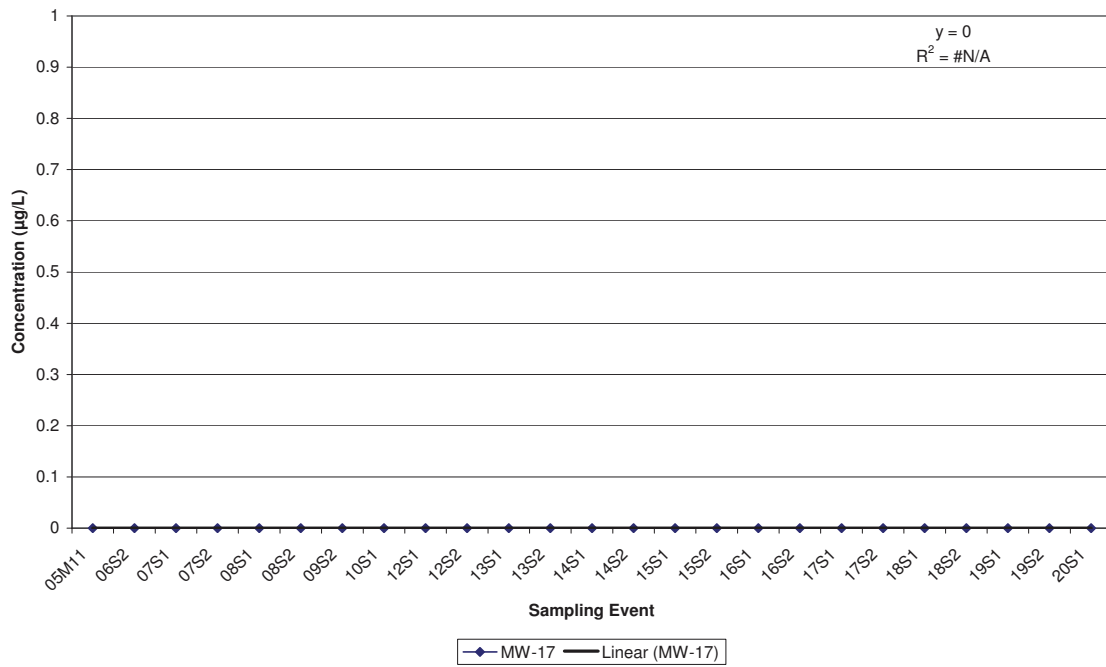
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-14



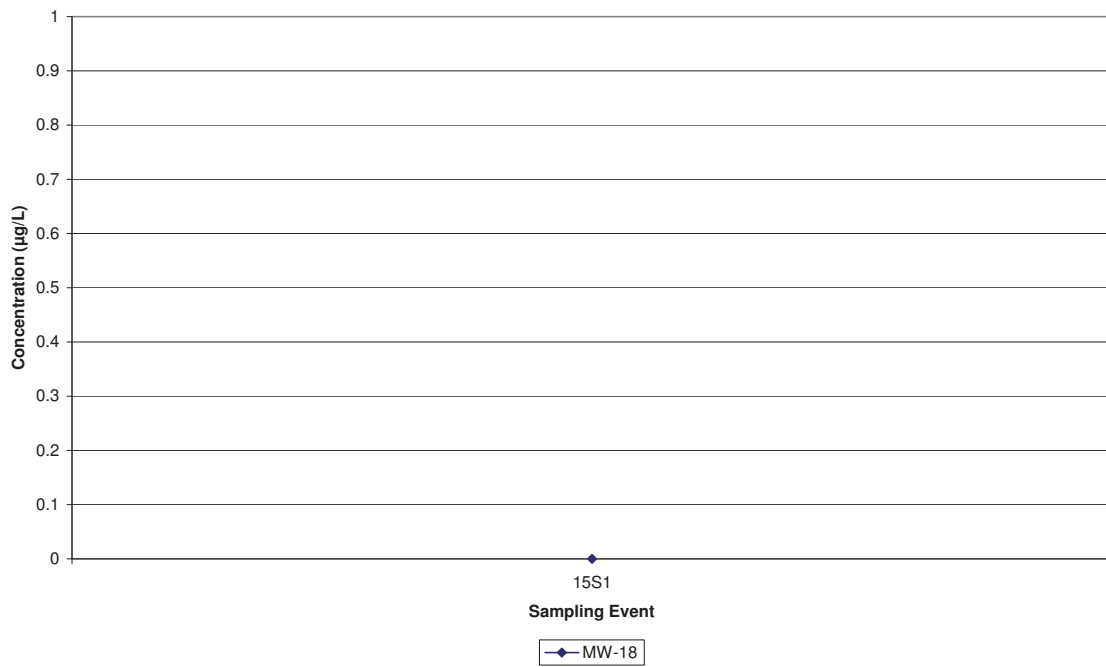
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-15



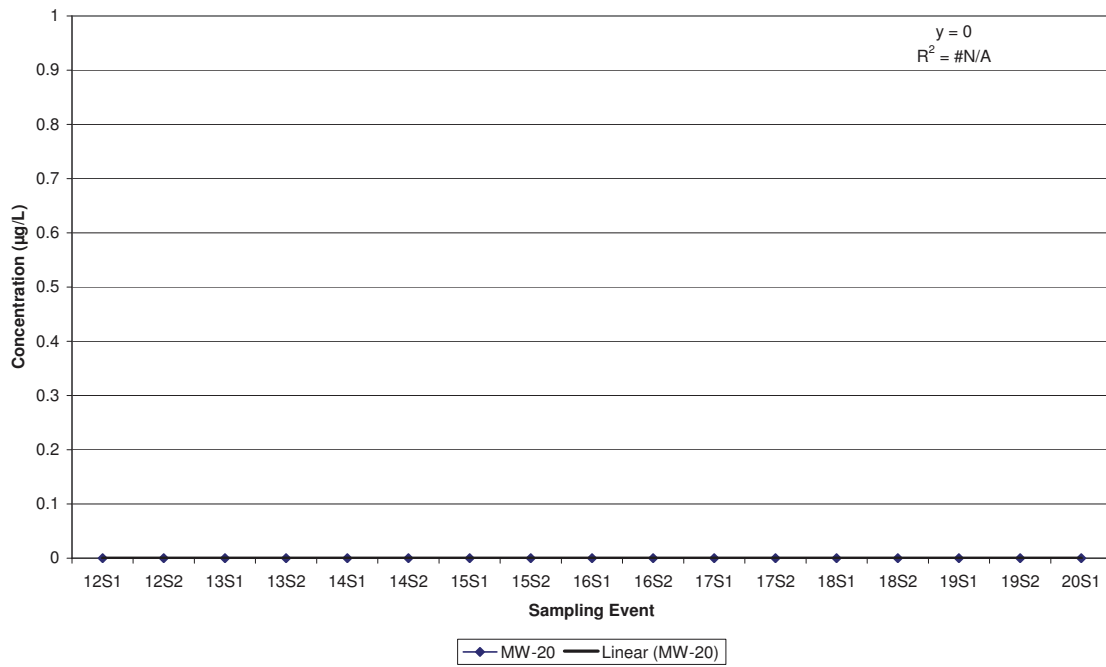
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-17



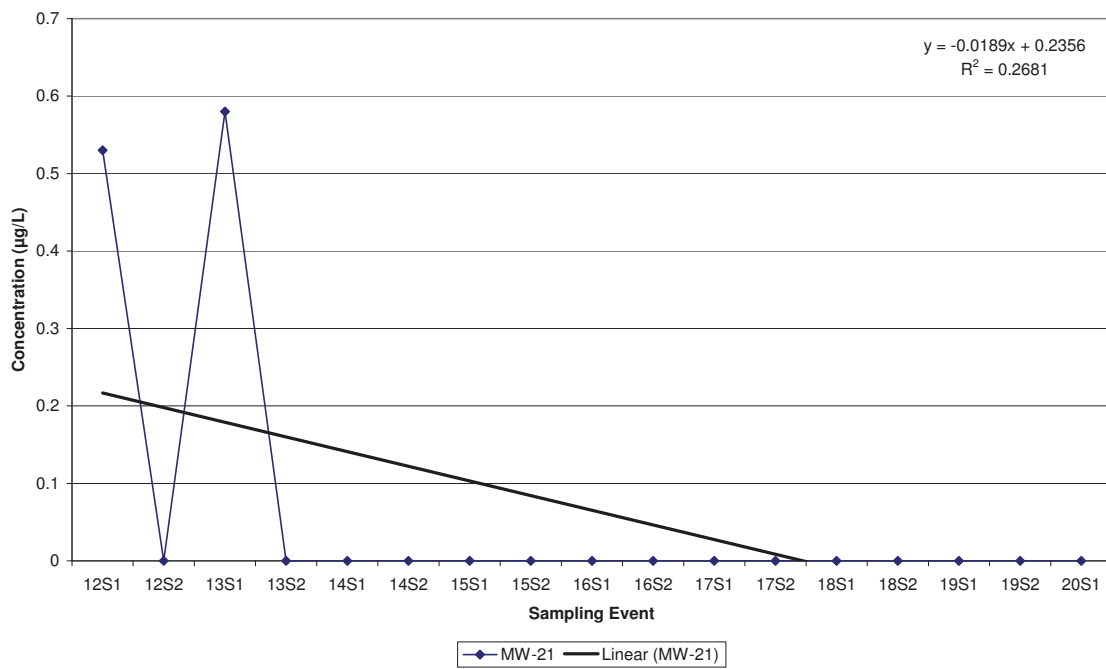
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-18



Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-20

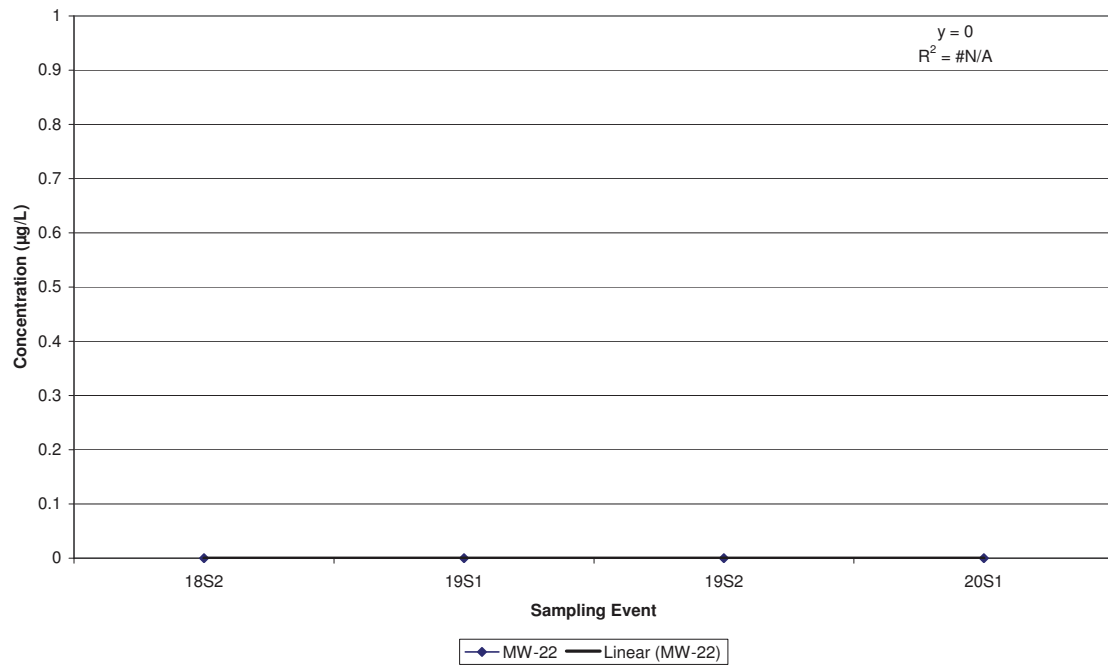


Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-21



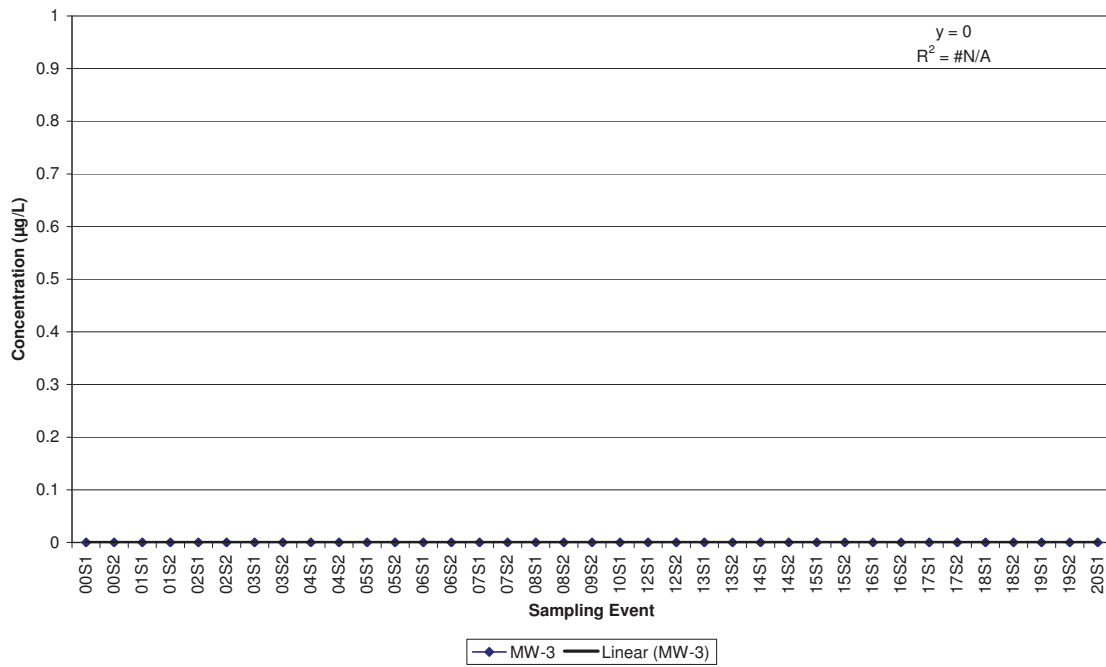


Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-22

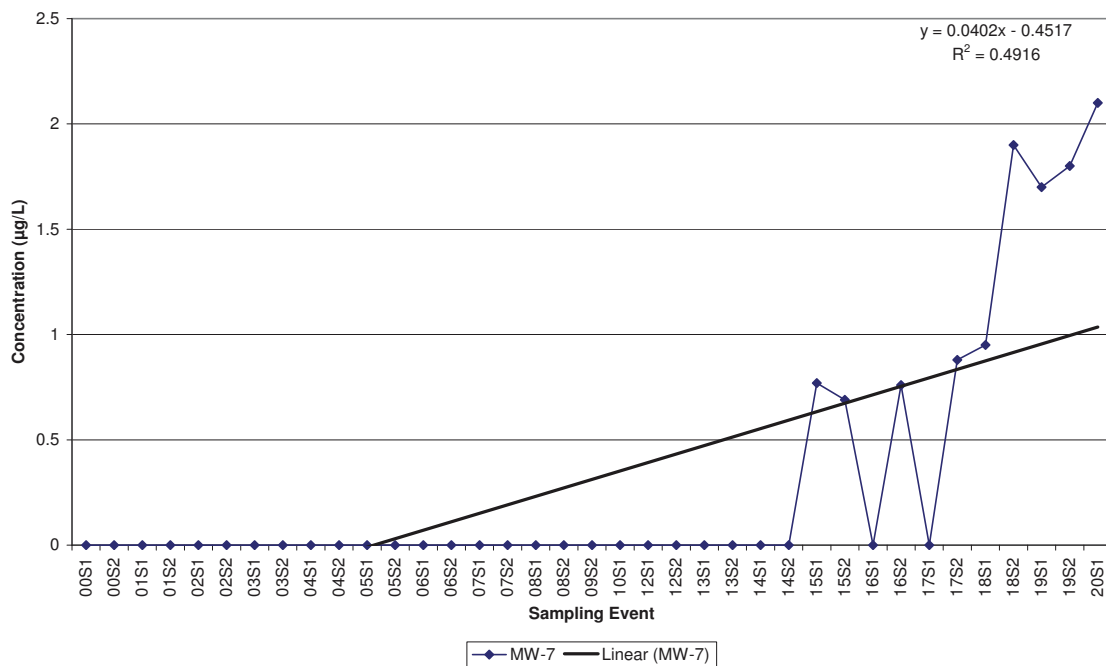


**Citrus County Central Landfill  
Historical cis-1,2-Dichloroethene Data**

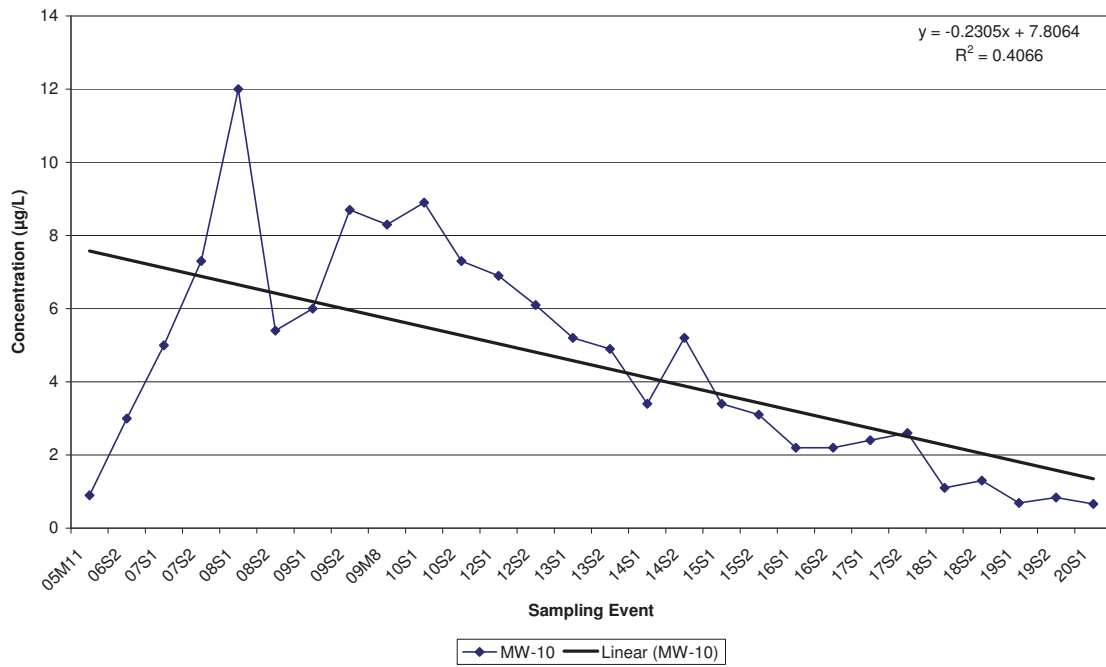
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-3



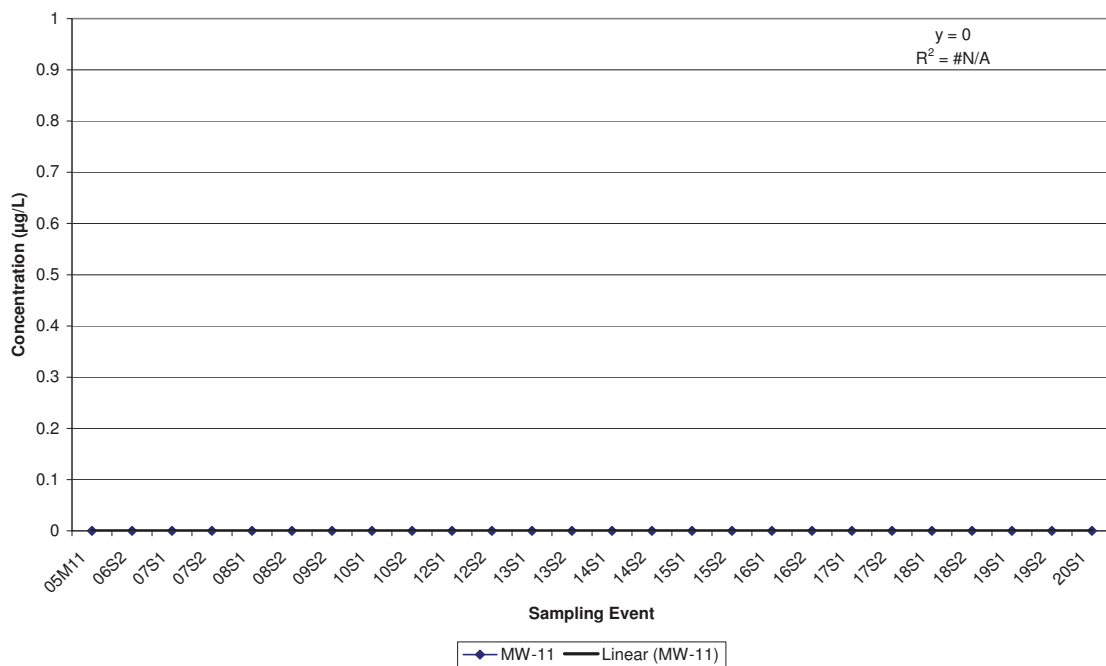
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-7



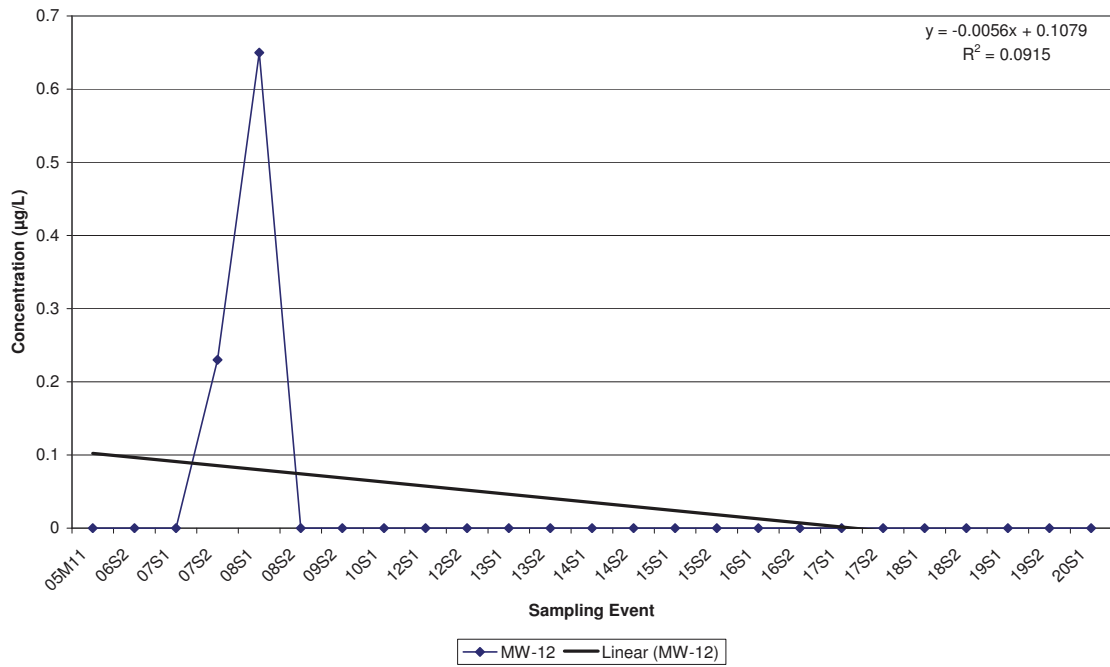
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-10**



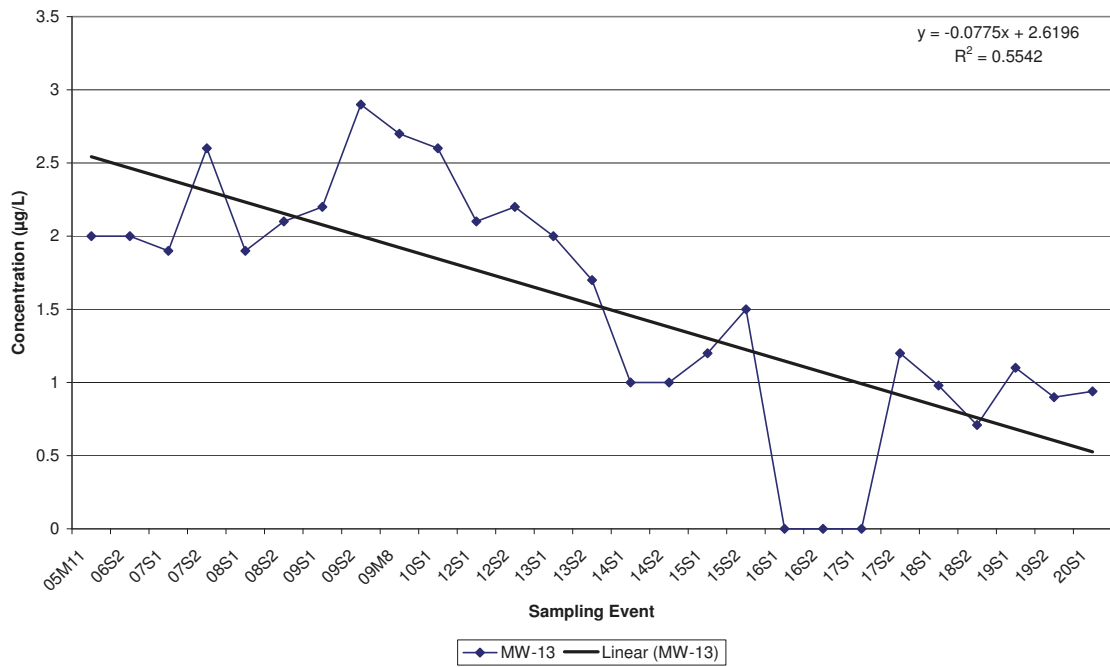
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-11**



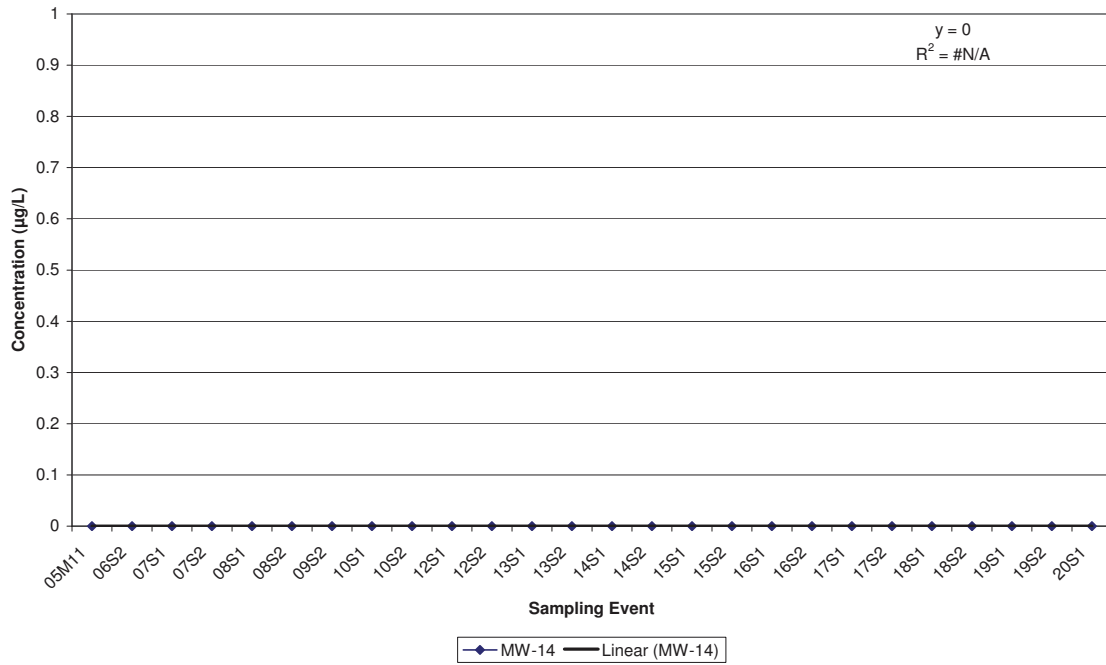
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-12



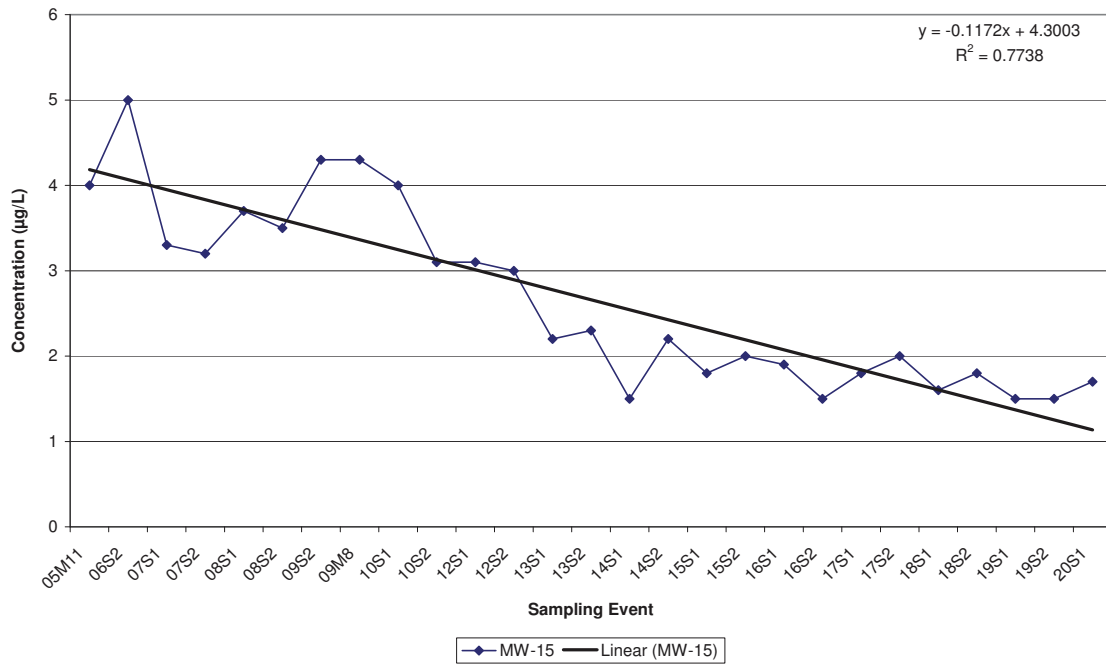
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-13



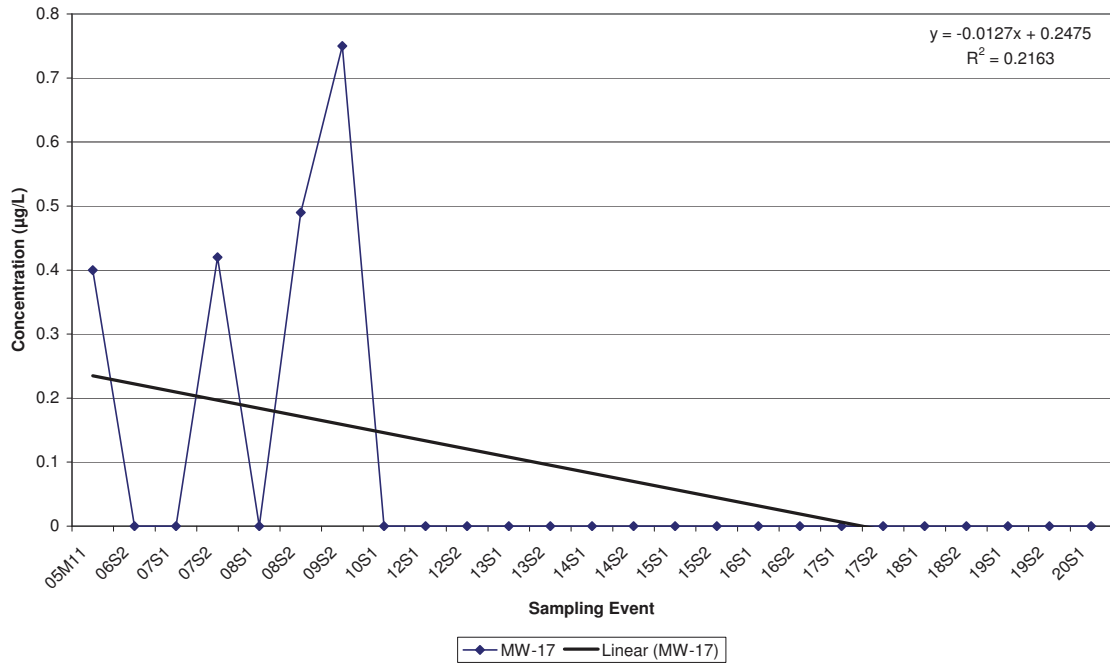
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-14**



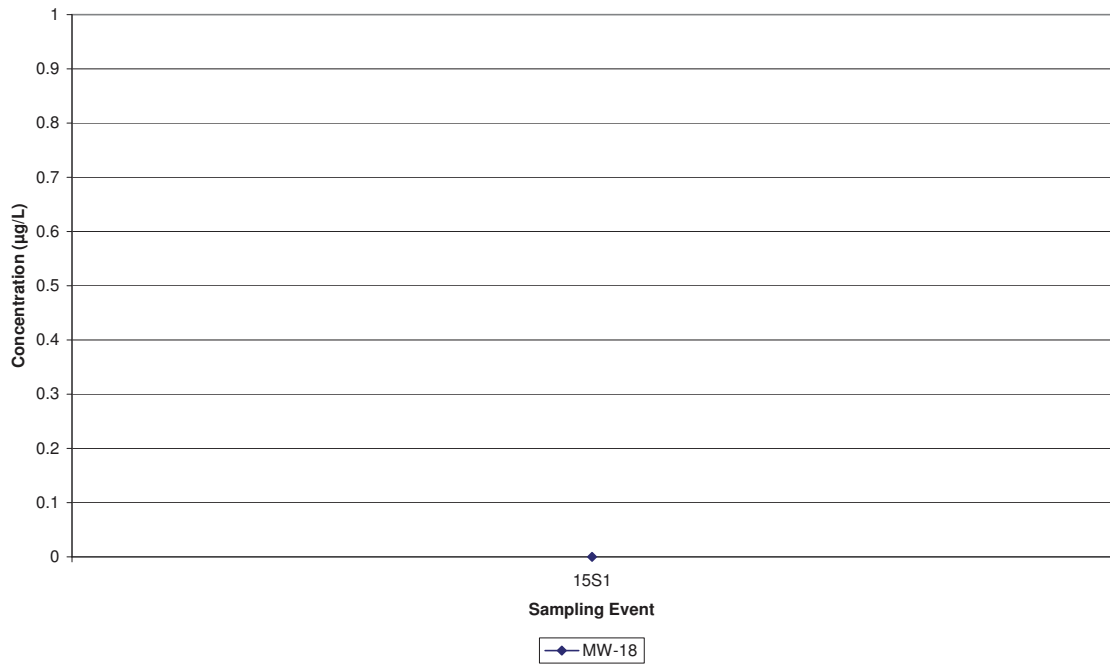
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-15**



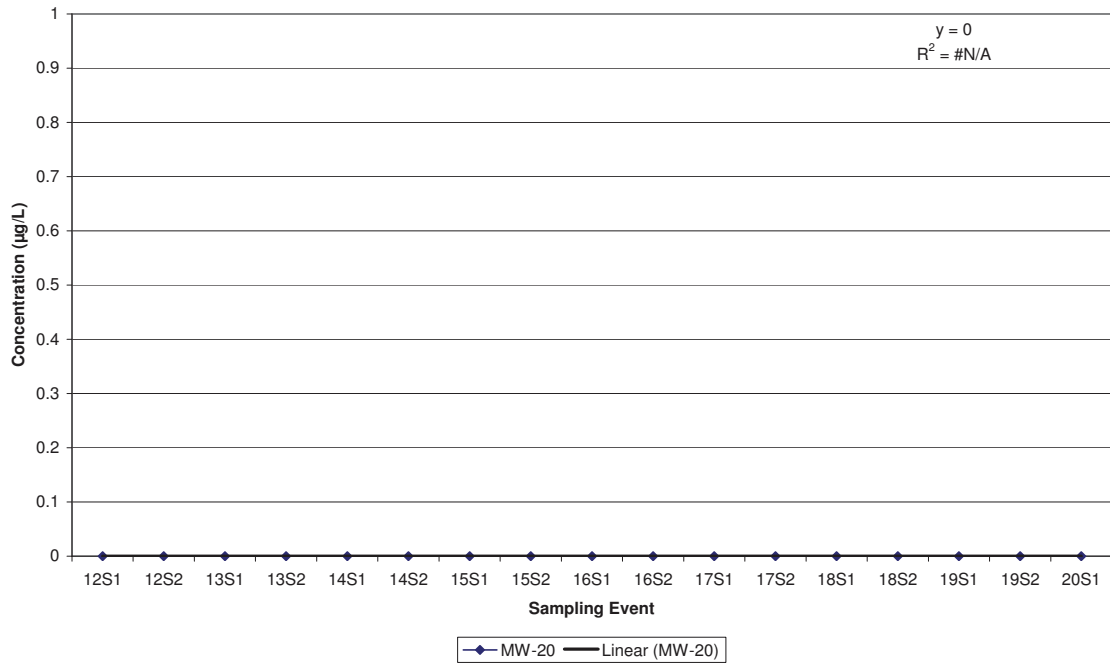
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-17



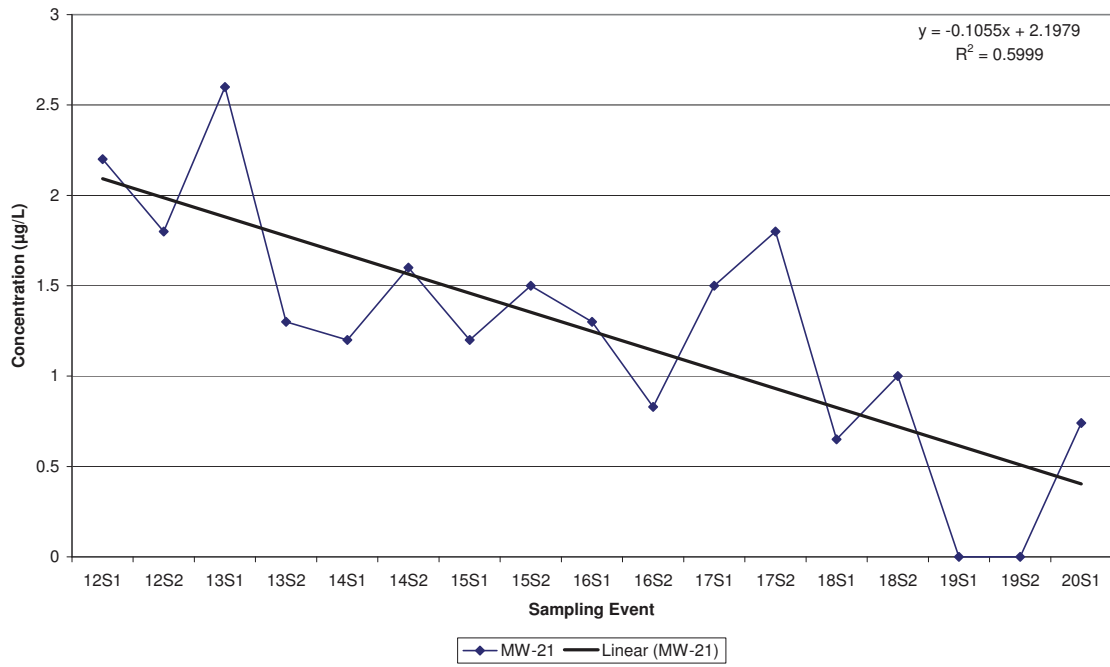
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-18



Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-20

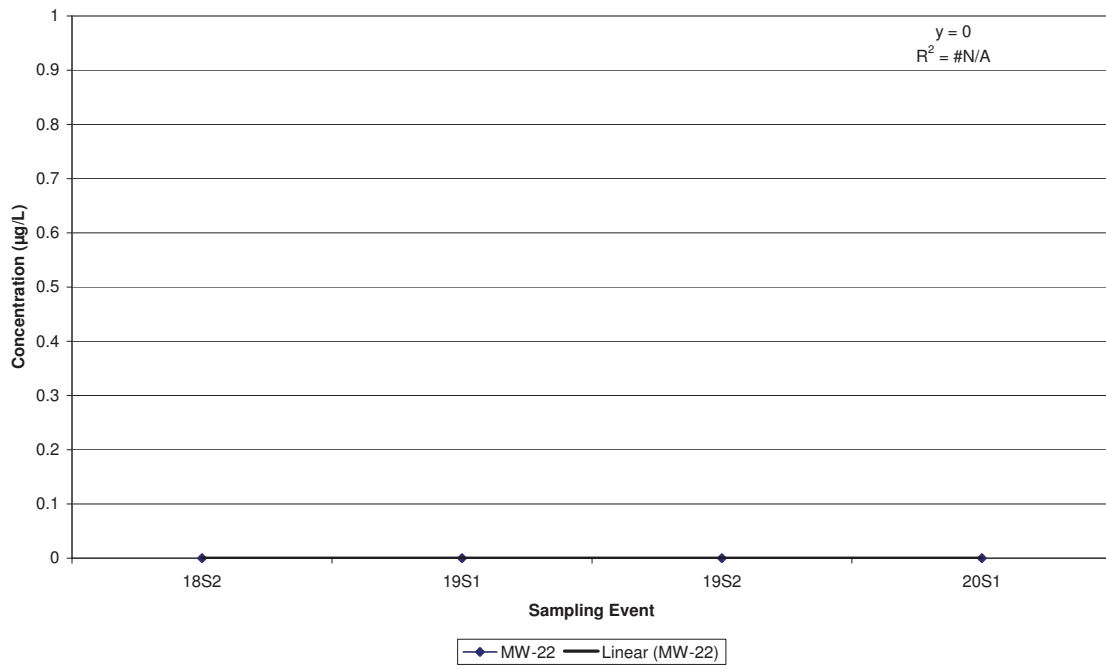


Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-21



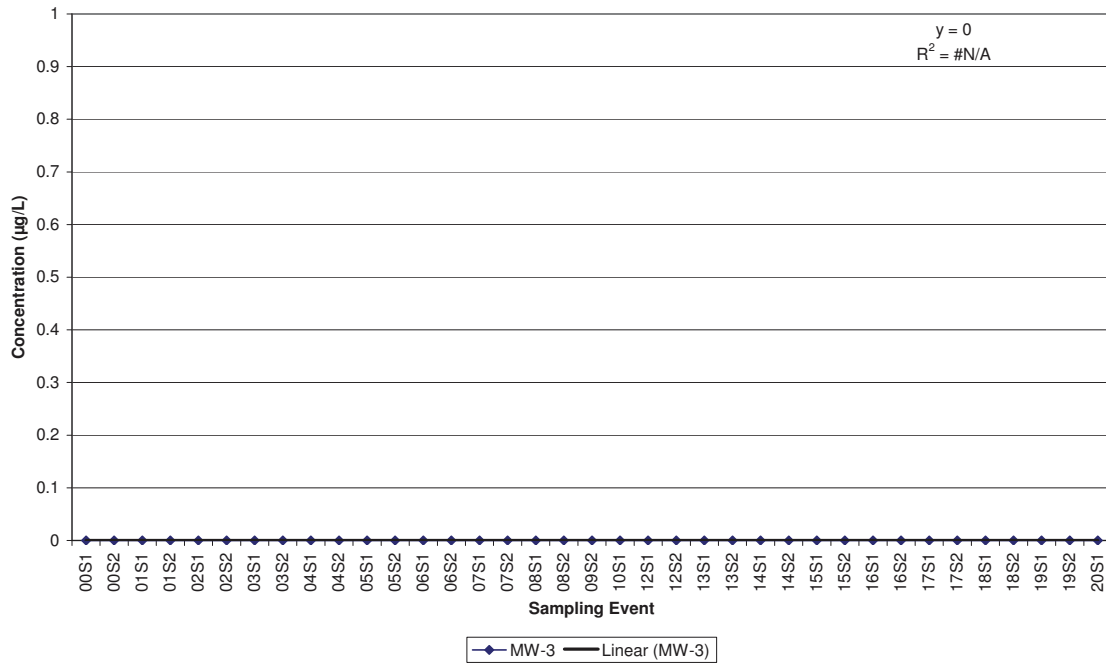


Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-22

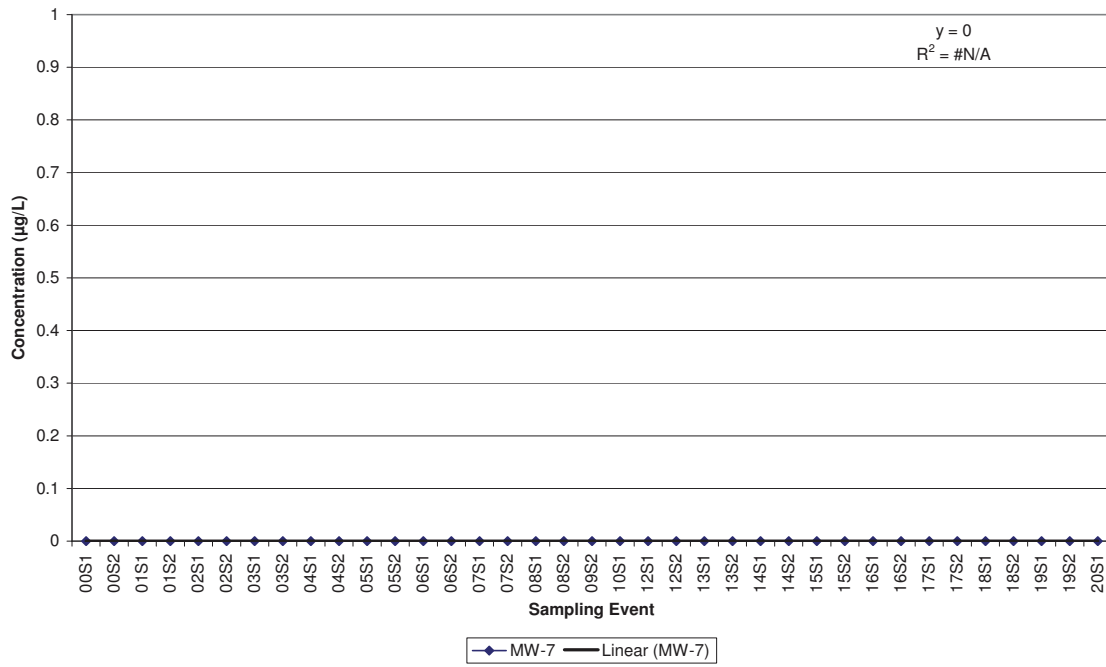


**Citrus County Central Landfill  
Historical Dichloromethane Data**

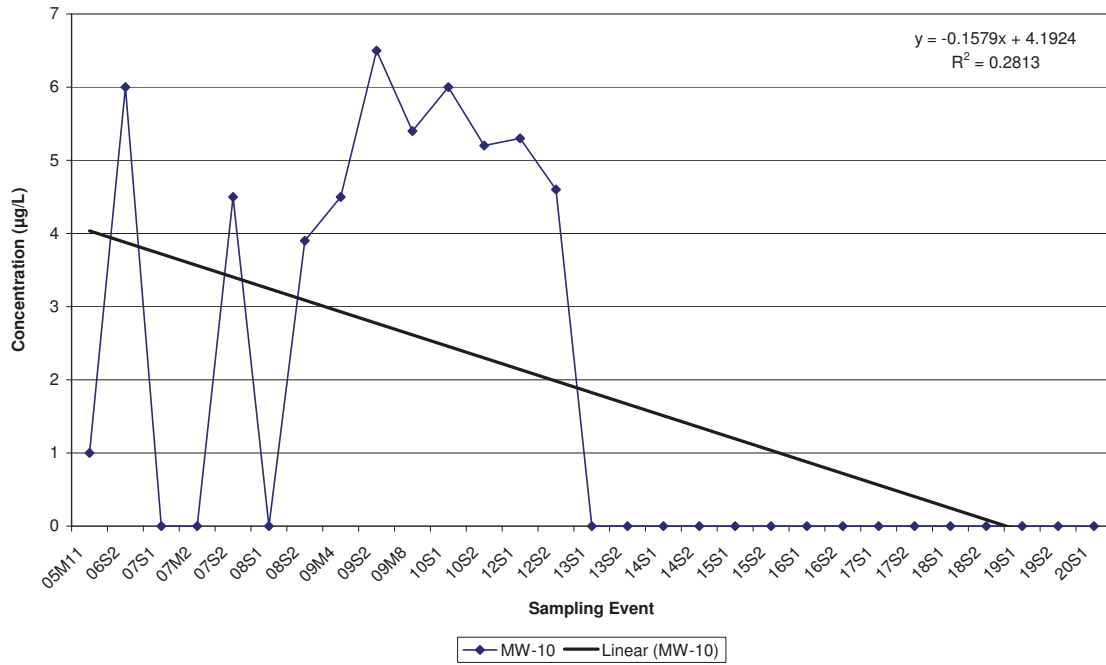
Citrus County Central Landfill  
Historic Methylene chloride in MW-3



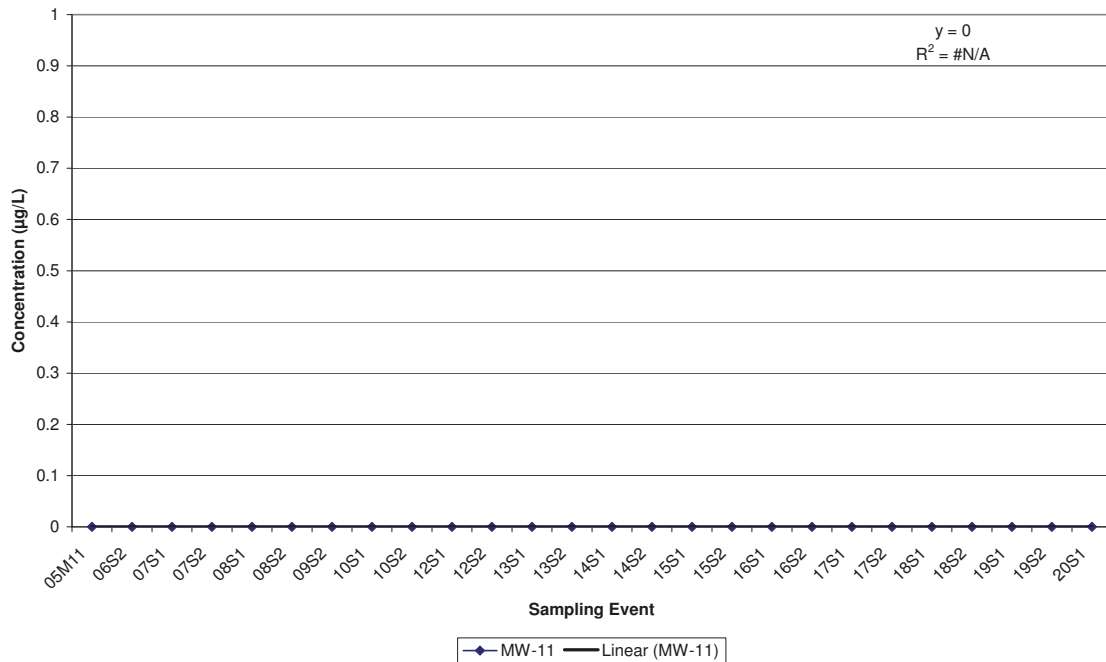
Citrus County Central Landfill  
Historic Methylene chloride in MW-7



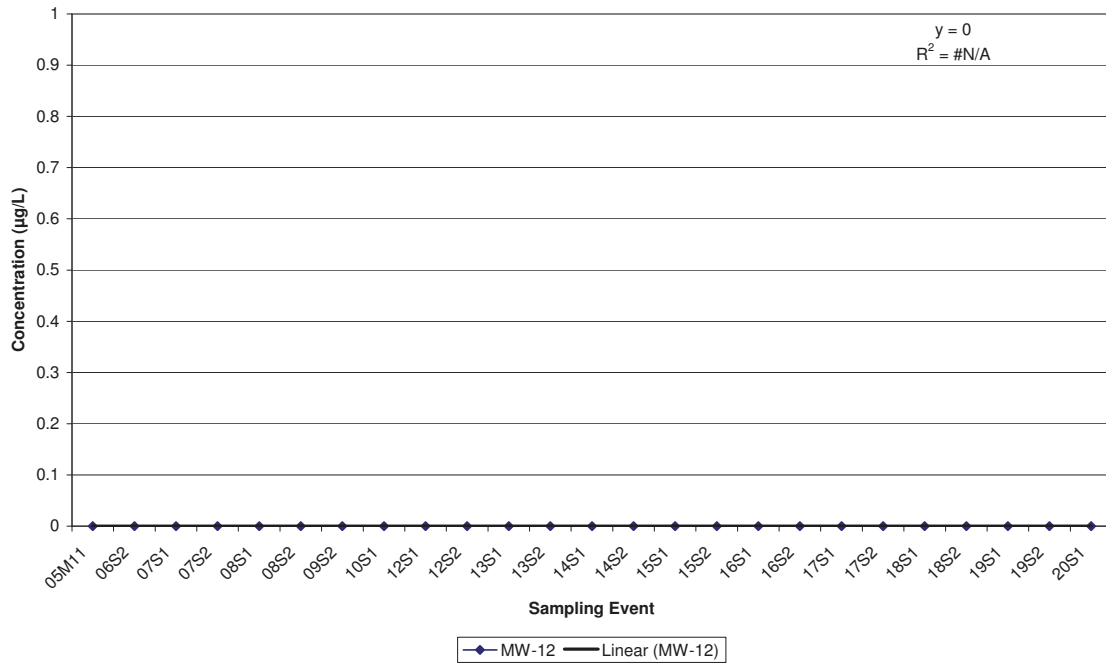
**Citrus County Central Landfill  
Historic Methylene chloride in MW-10**



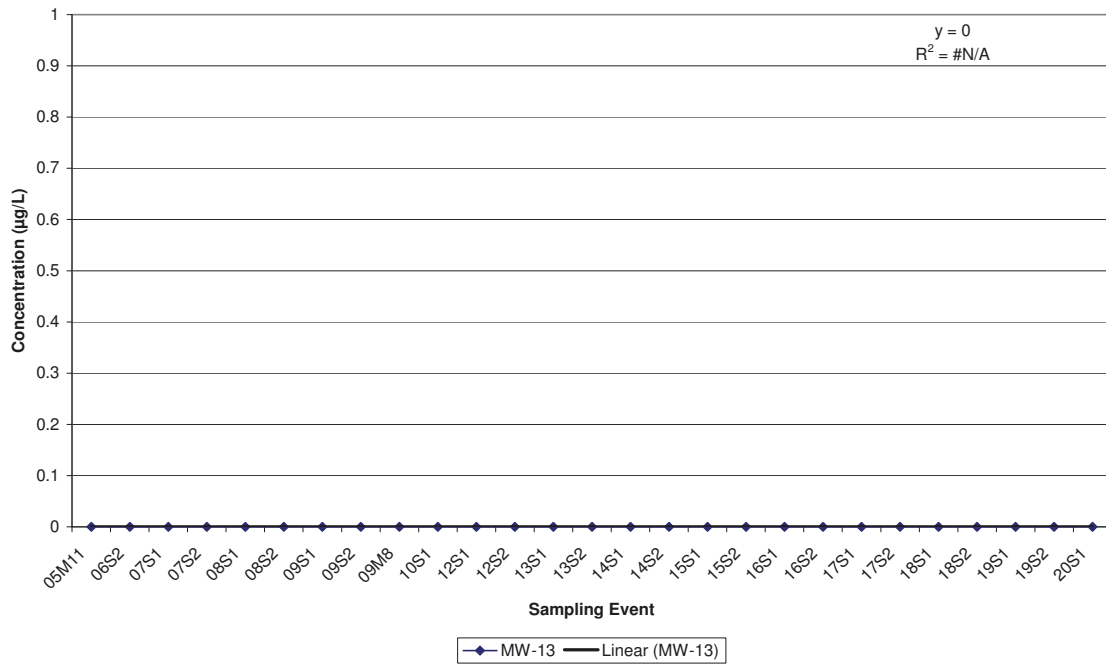
**Citrus County Central Landfill  
Historic Methylene chloride in MW-11**



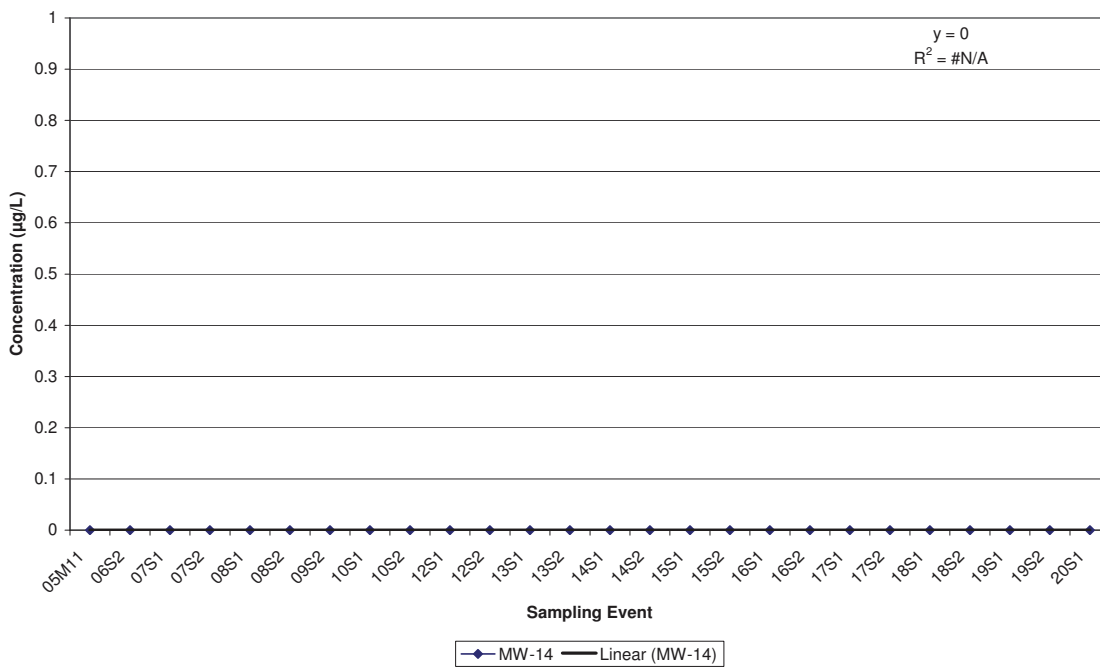
Citrus County Central Landfill  
Historic Methylene chloride in MW-12



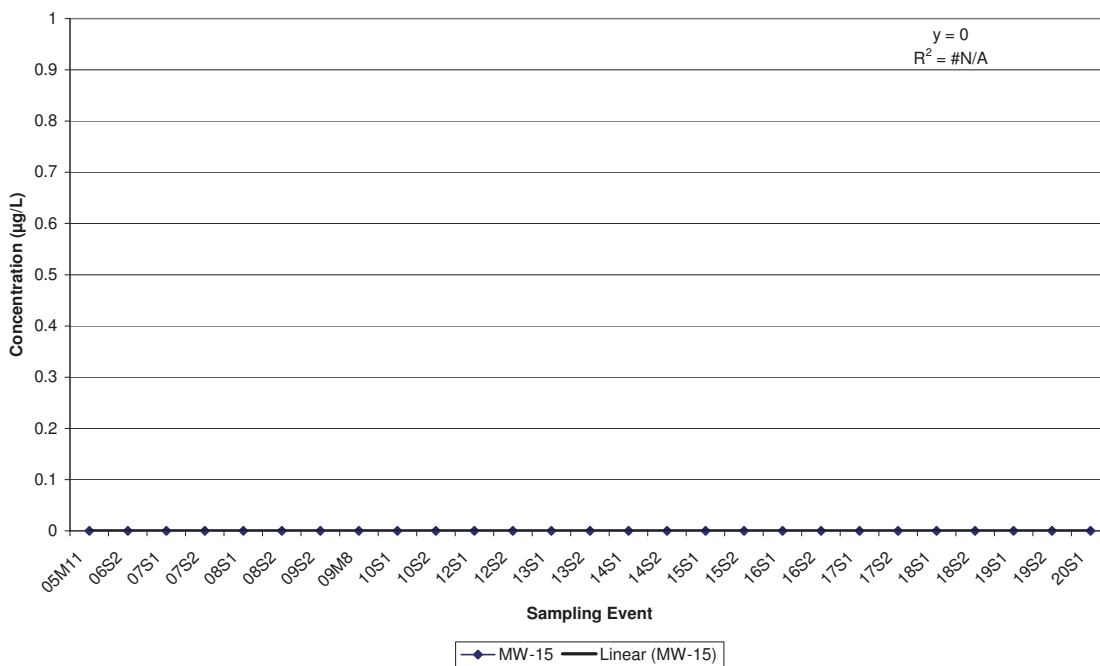
Citrus County Central Landfill  
Historic Methylene chloride in MW-13



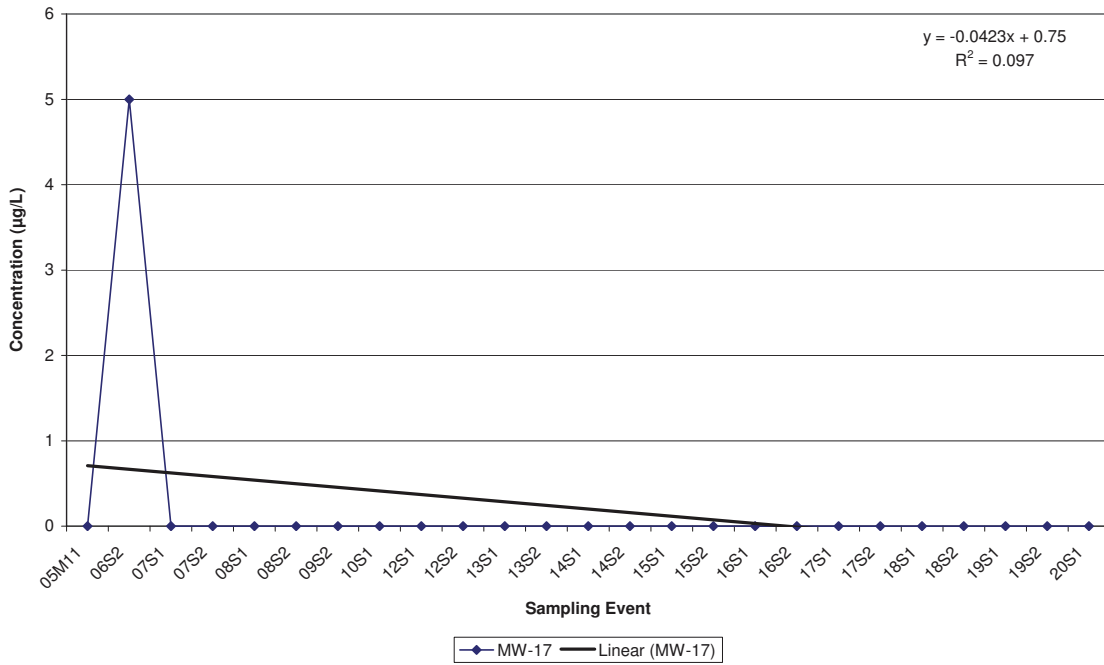
Citrus County Central Landfill  
Historic Methylene chloride in MW-14



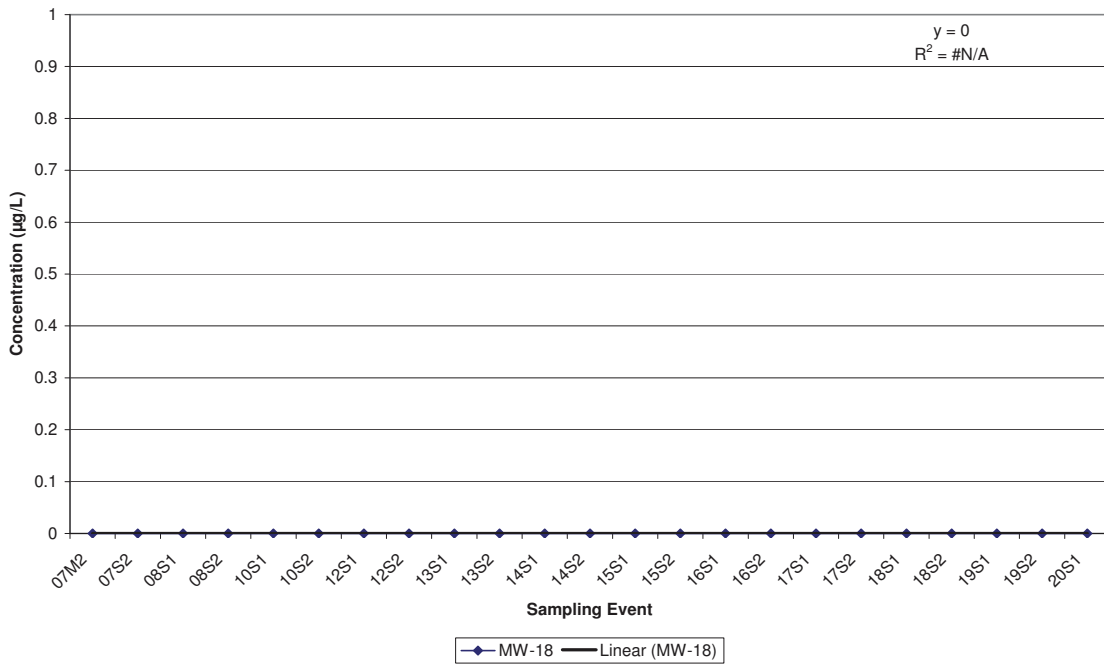
Citrus County Central Landfill  
Historic Methylene chloride in MW-15



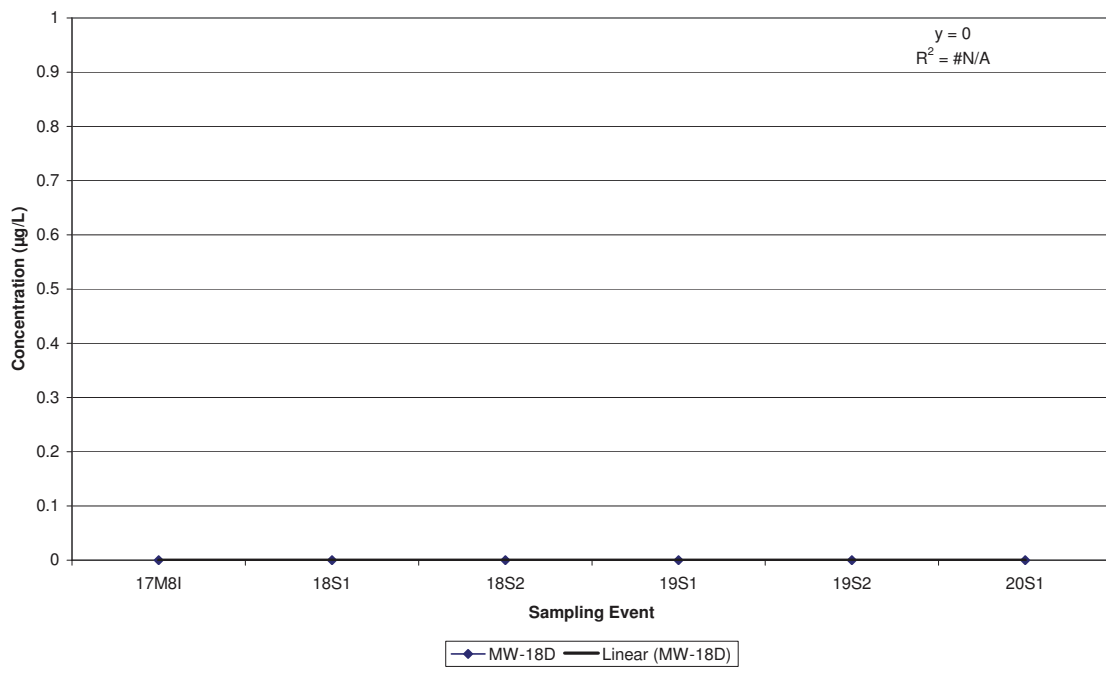
Citrus County Central Landfill  
Historic Methylene chloride in MW-17



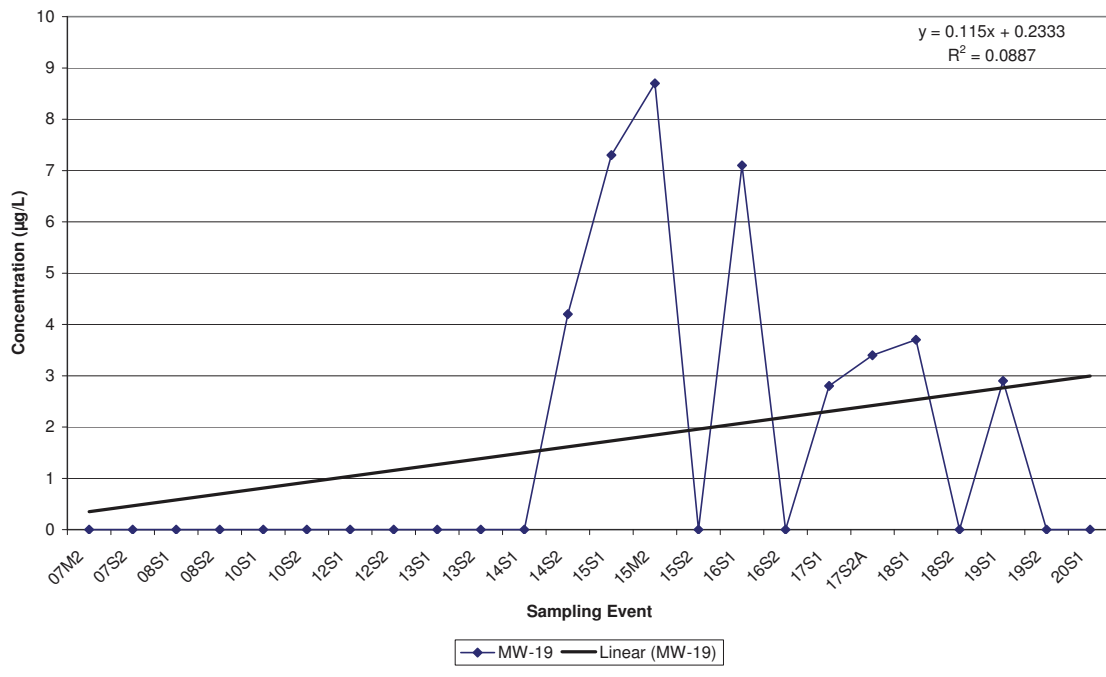
Citrus County Central Landfill  
Historic Methylene chloride in MW-18



**Citrus County Central Landfill  
Historic Methylene chloride in MW-18D**

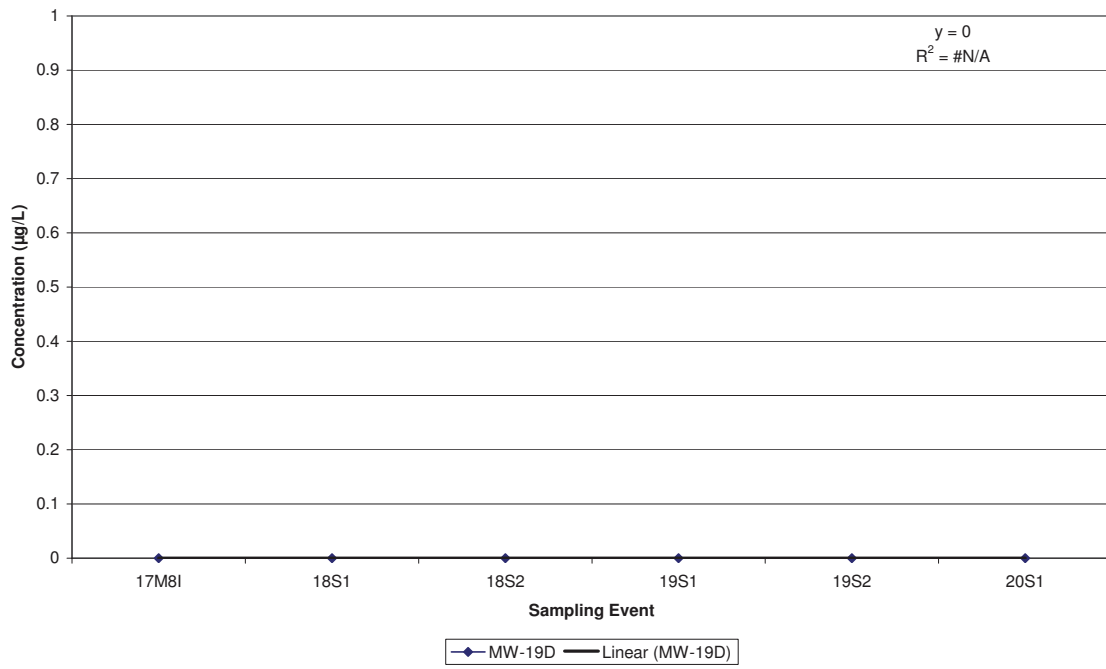


**Citrus County Central Landfill  
Historic Methylene chloride in MW-19**

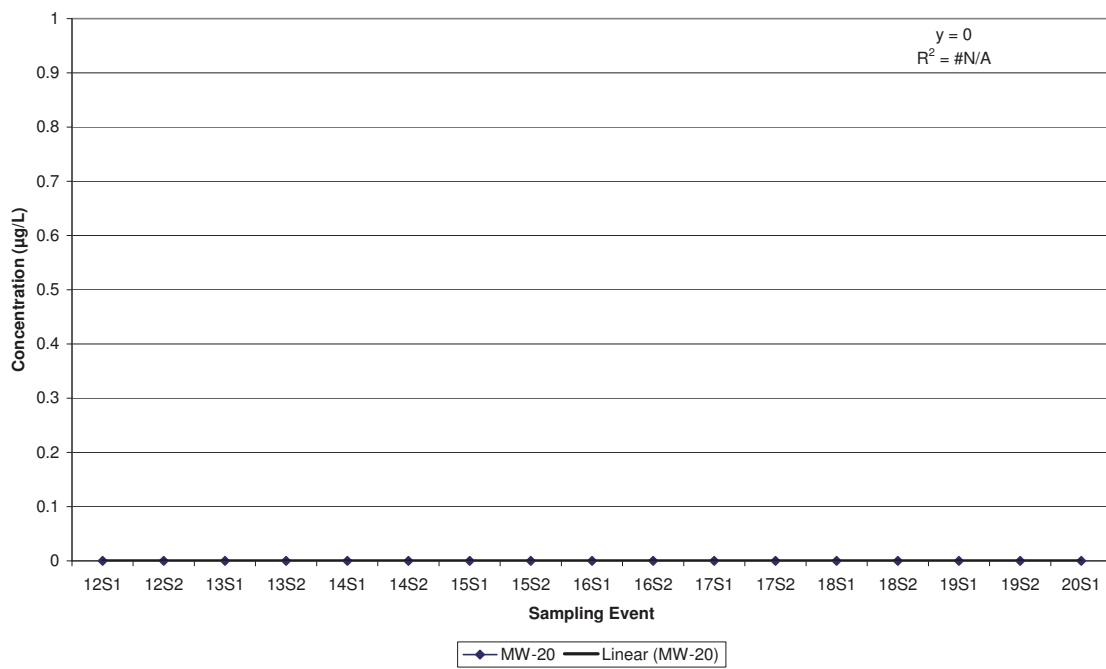




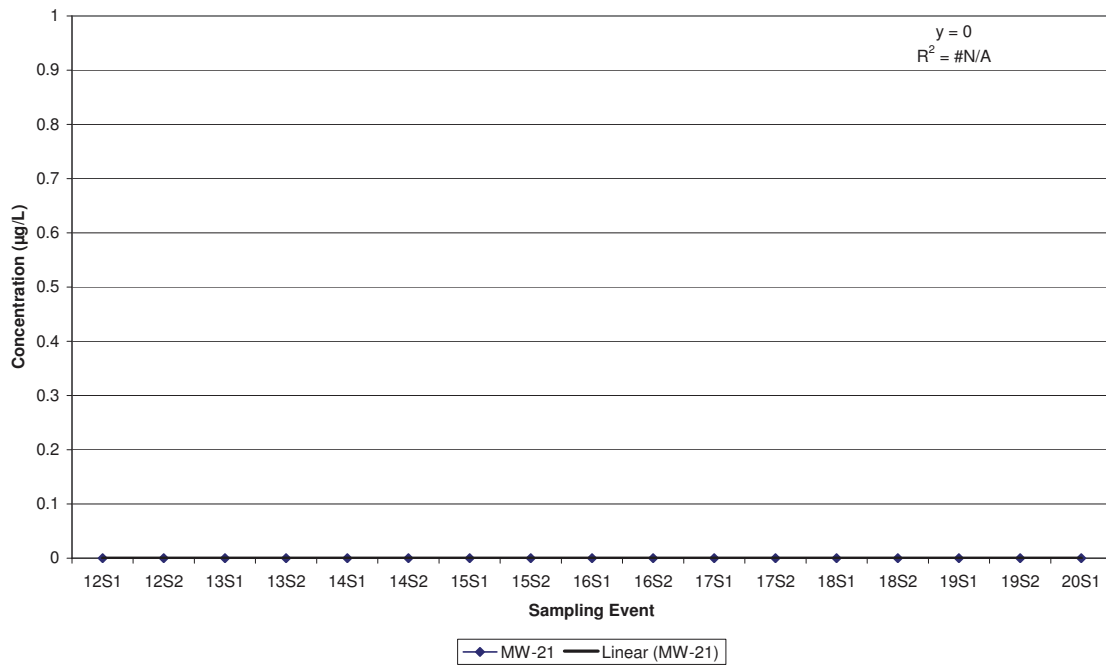
Citrus County Central Landfill  
Historic Methylene chloride in MW-19D



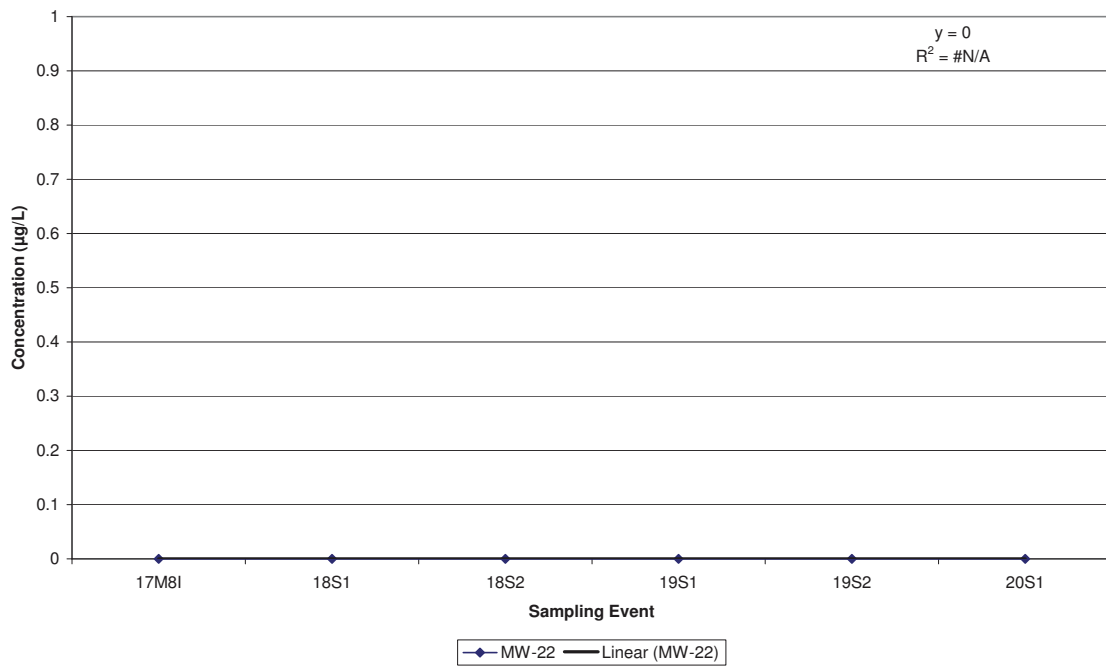
Citrus County Central Landfill  
Historic Methylene chloride in MW-20



Citrus County Central Landfill  
Historic Methylene chloride in MW-21



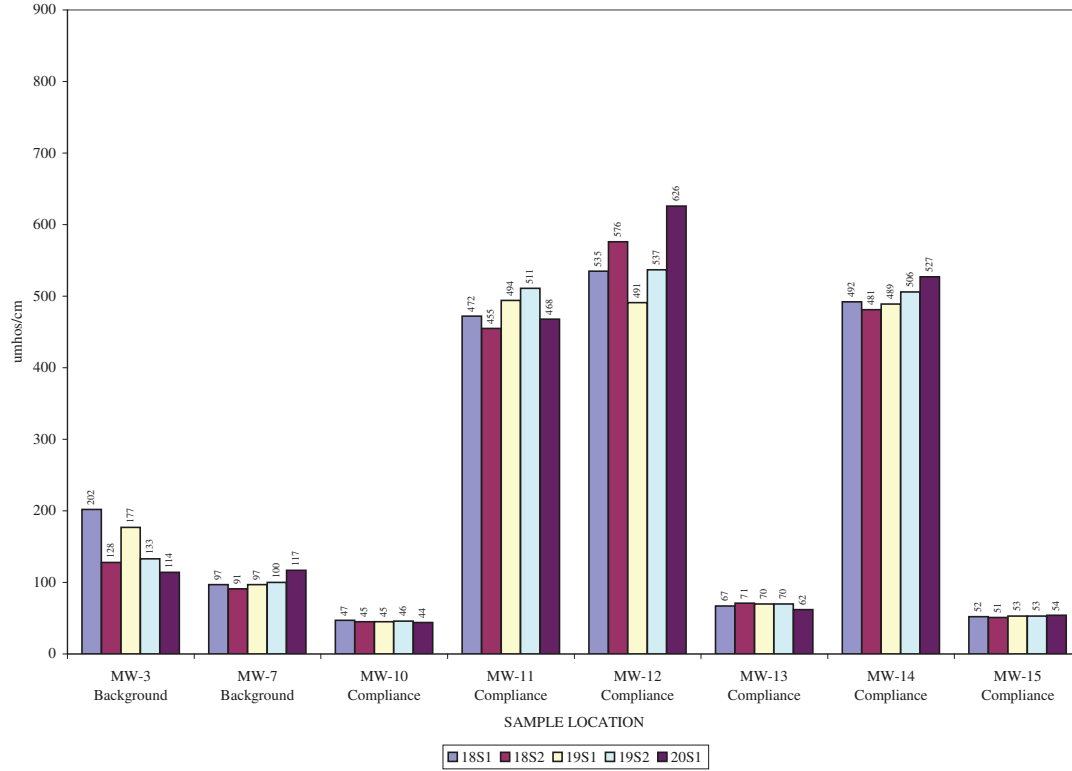
Citrus County Central Landfill  
Historic Methylene chloride in MW-22



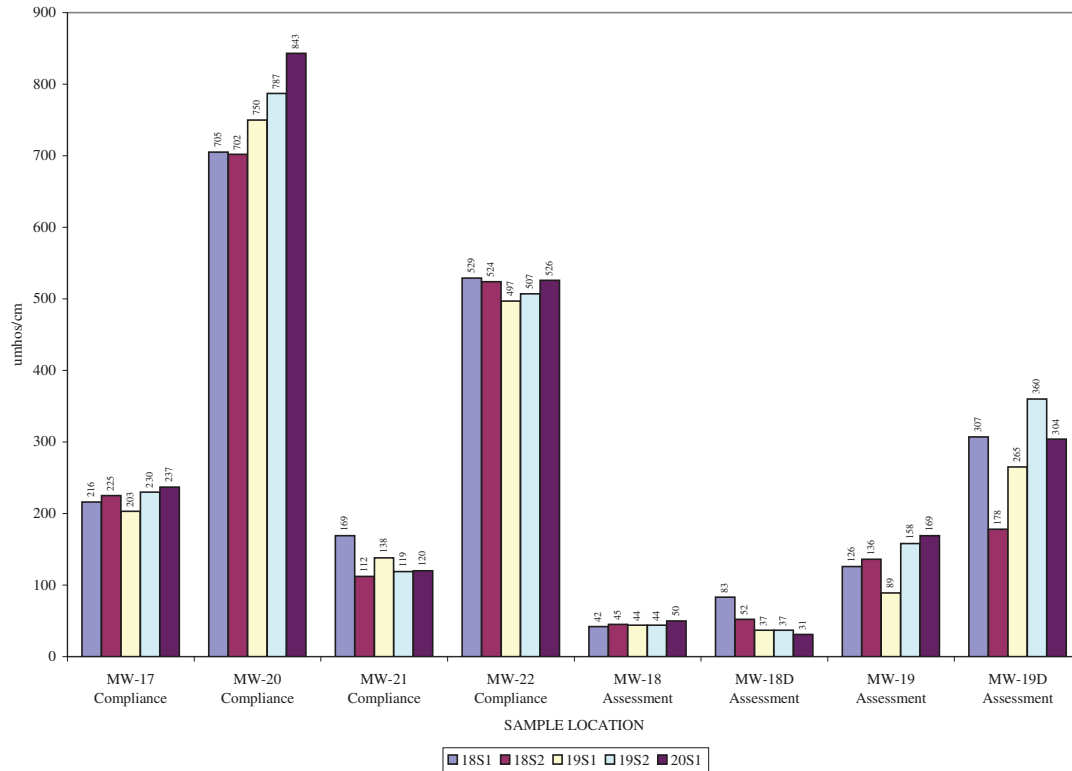
## **Attachment 8**

### **Report Period Groundwater Chemistry Graphs**

**CONDUCTIVITY (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

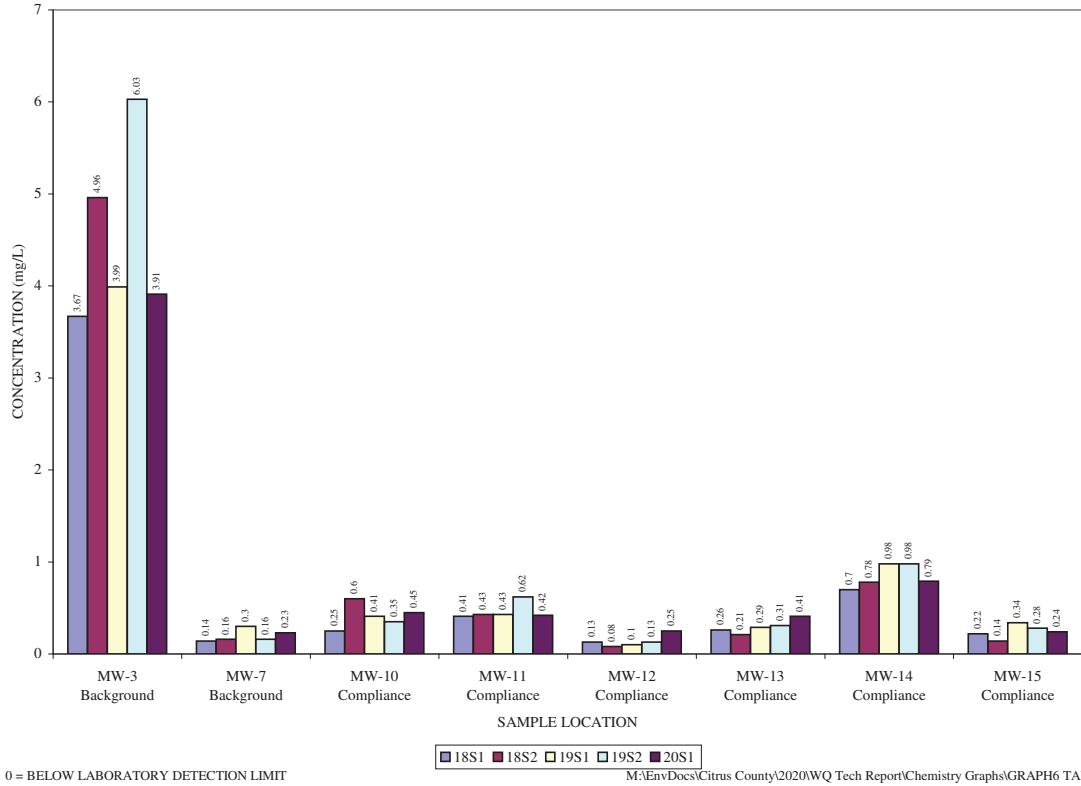


**CONDUCTIVITY (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

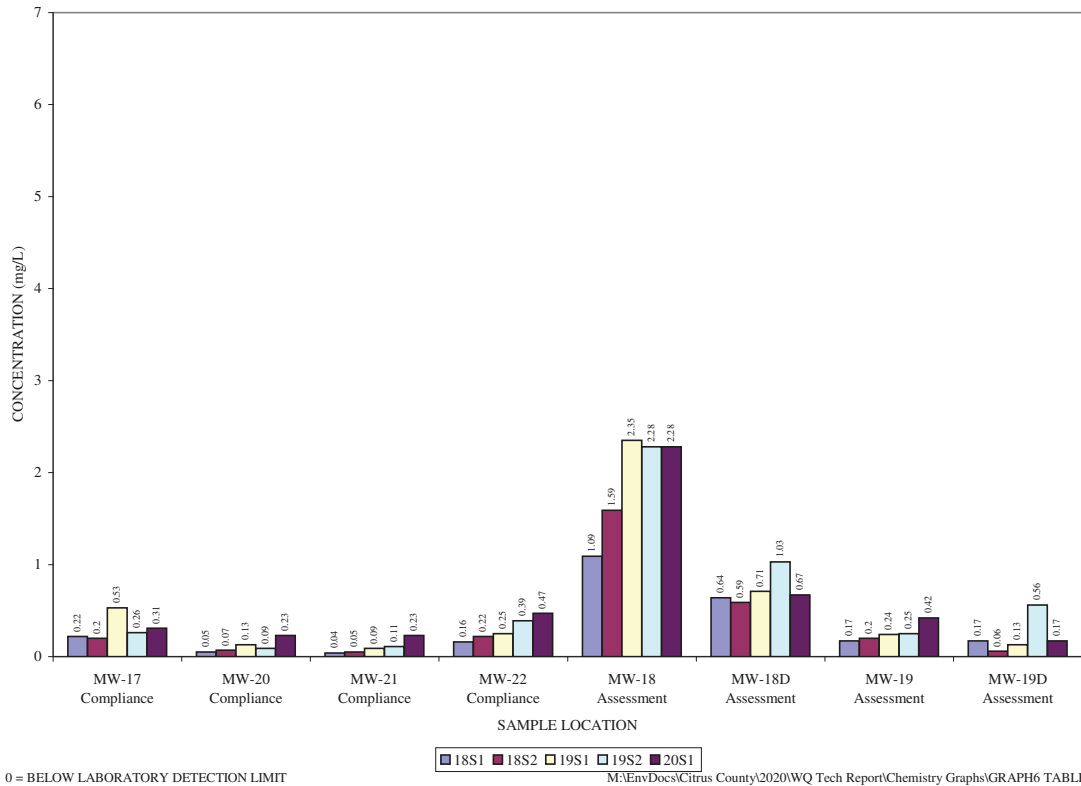


0 = BELOW LABORATORY DETECTION LIMIT

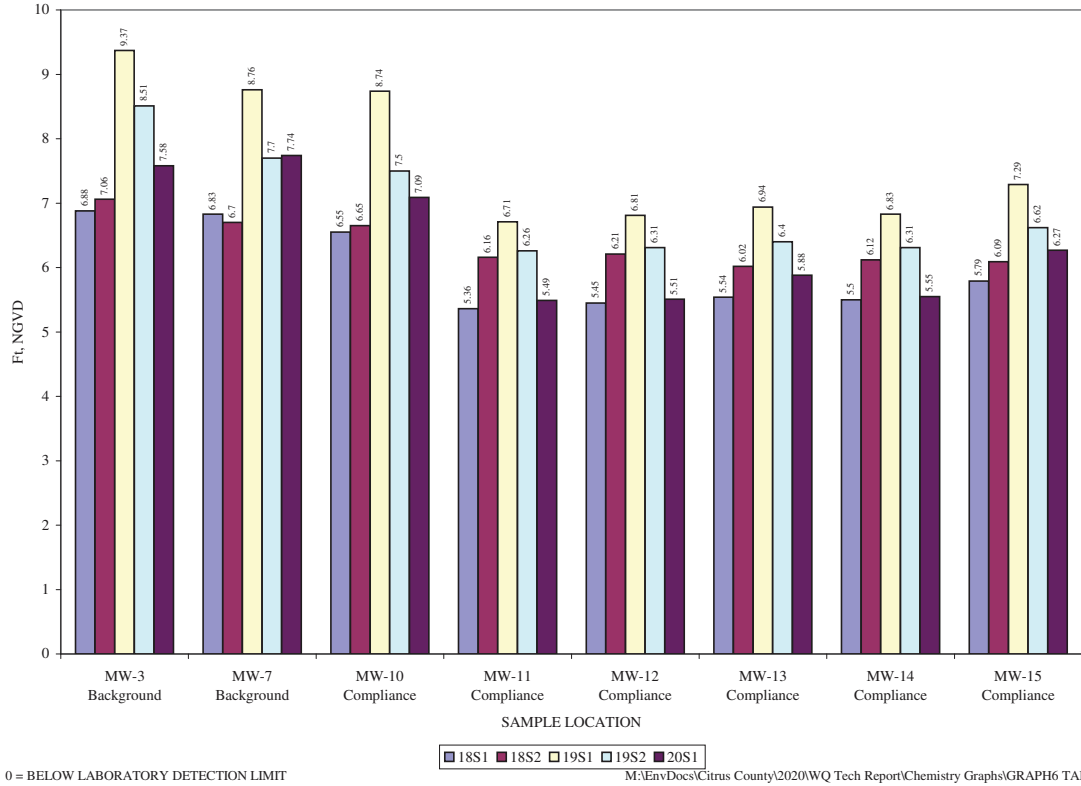
**DISSOLVED OXYGEN (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



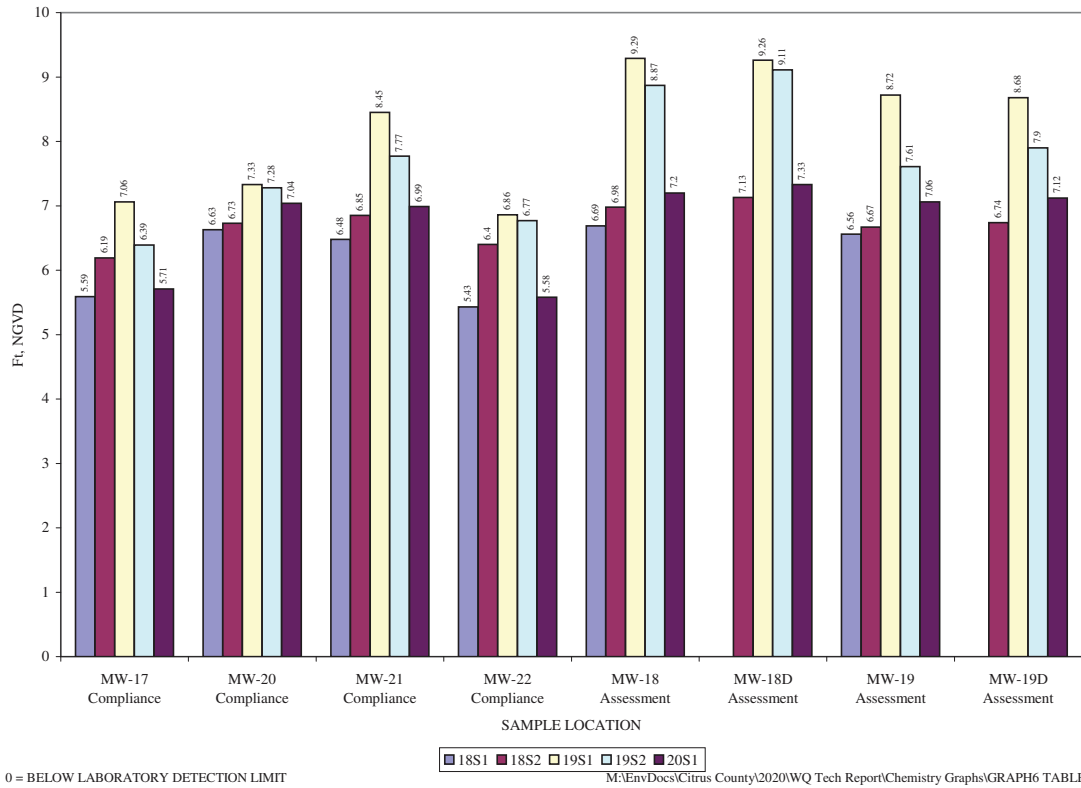
**DISSOLVED OXYGEN (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



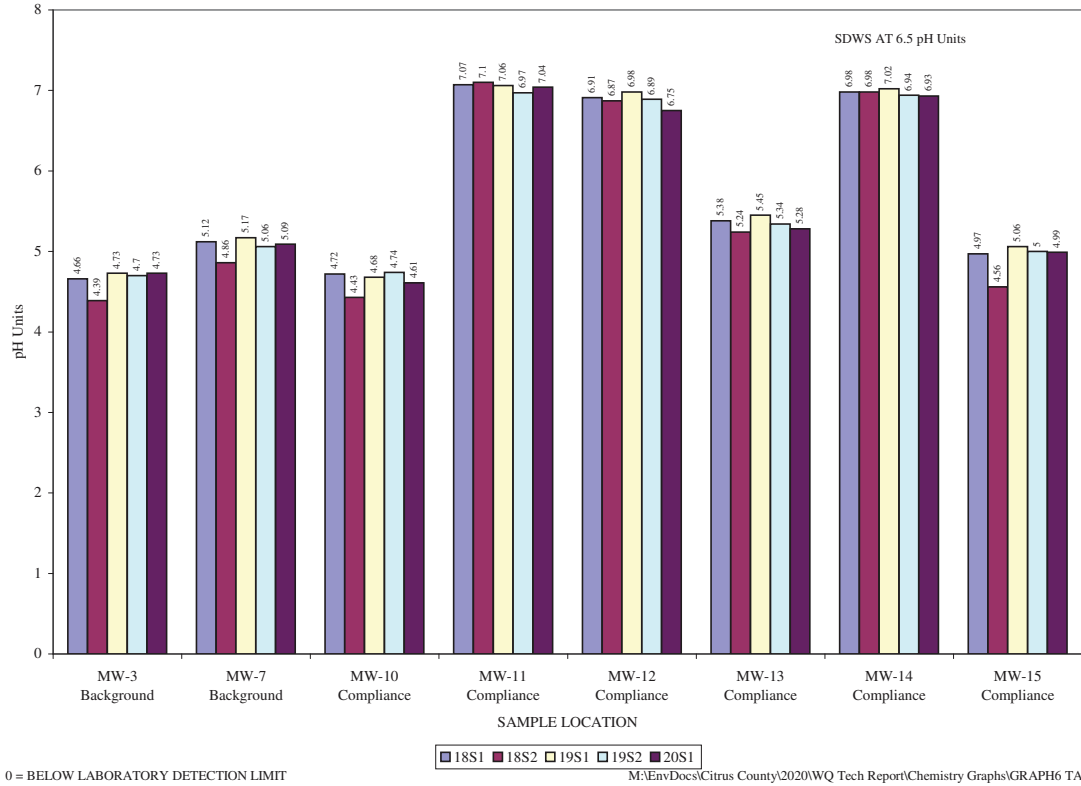
**GROUNDWATER ELEVATION**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



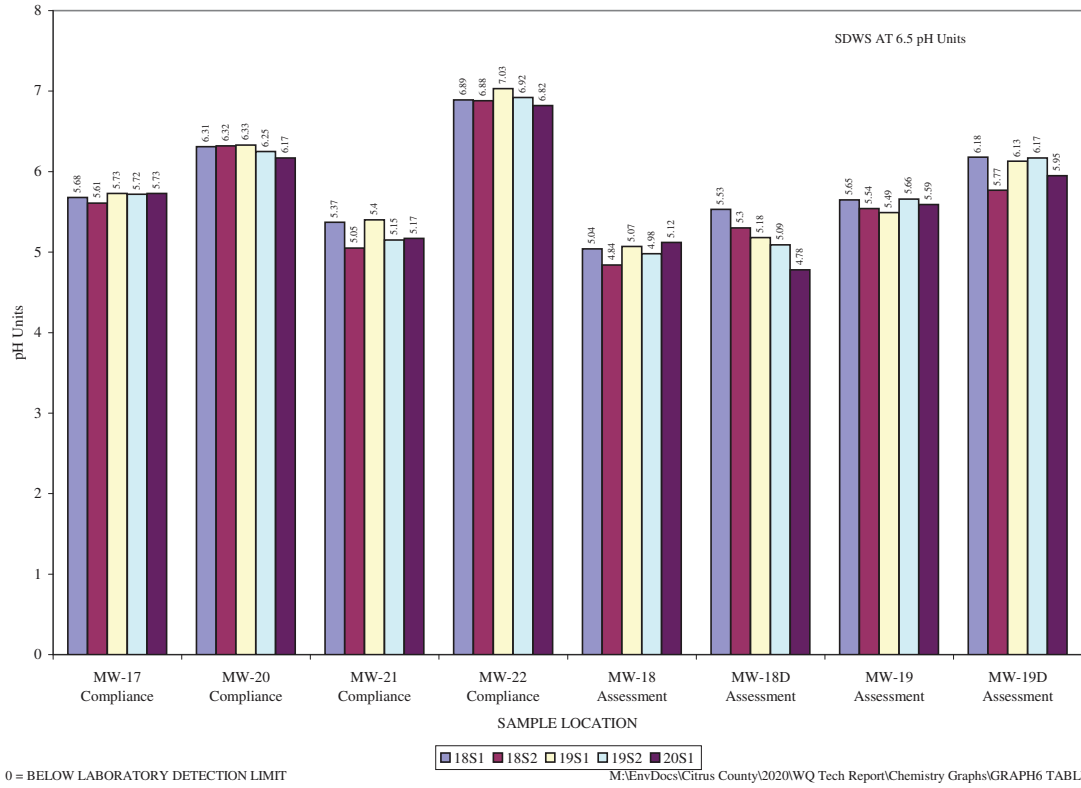
**GROUNDWATER ELEVATION**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



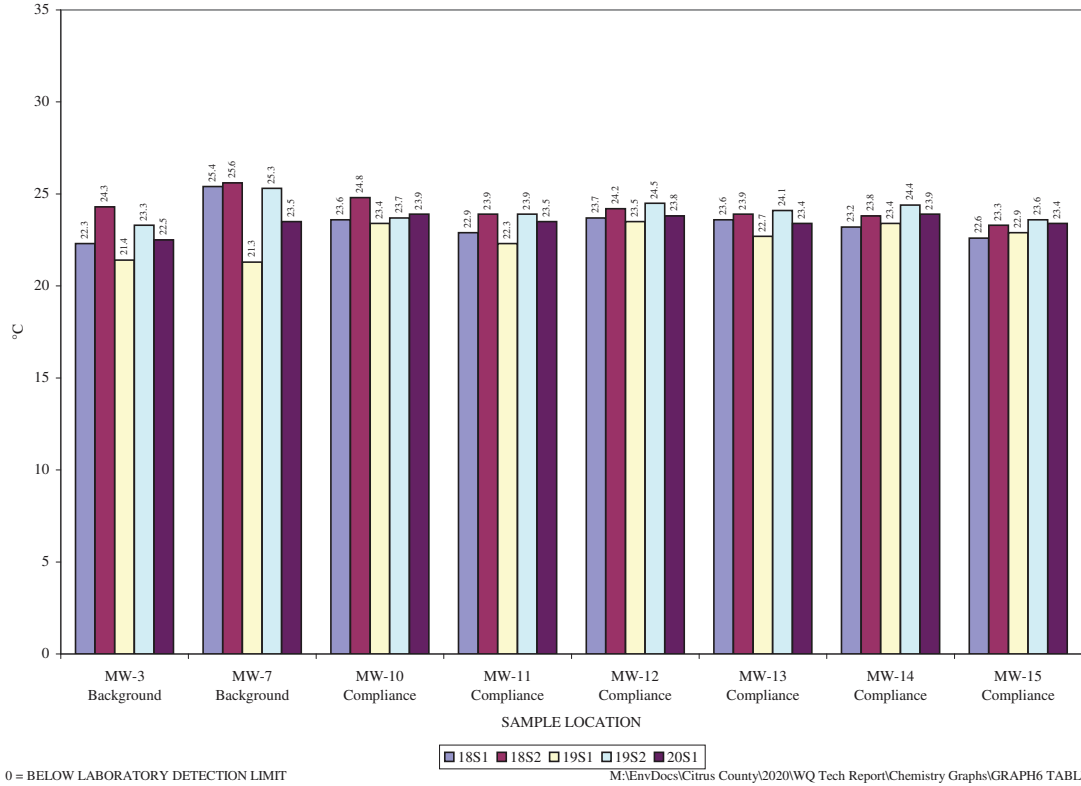
**pH (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



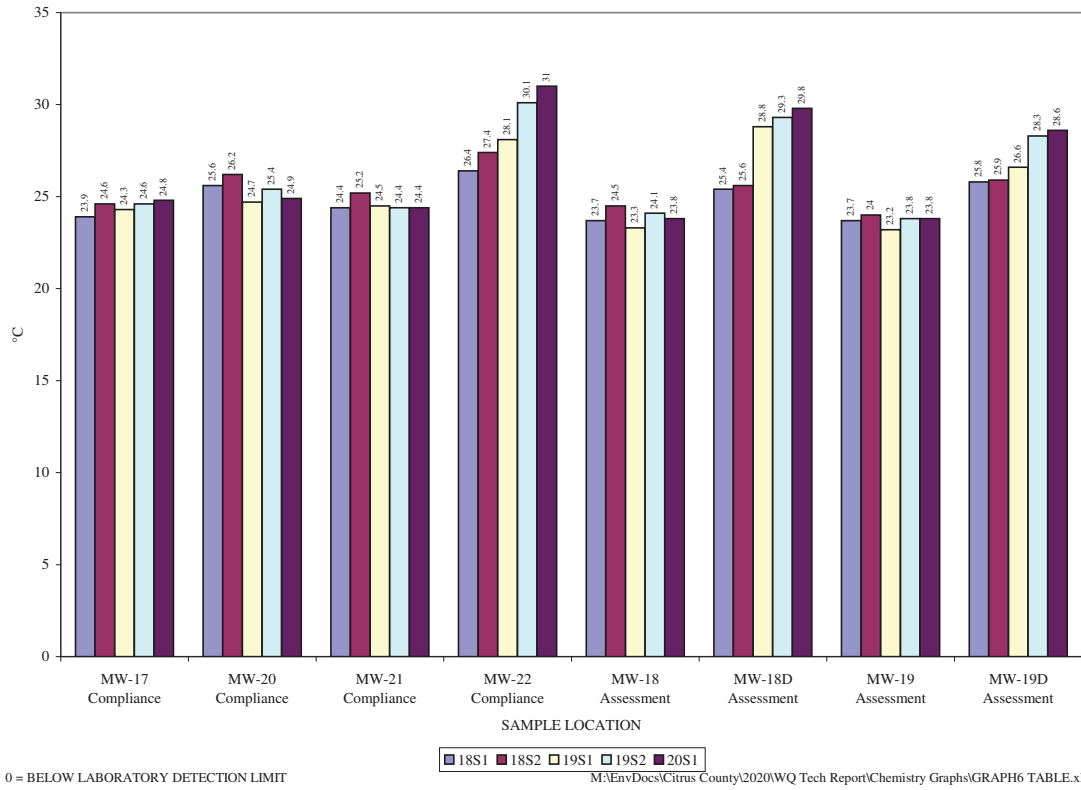
**pH (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



**TEMPERATURE (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

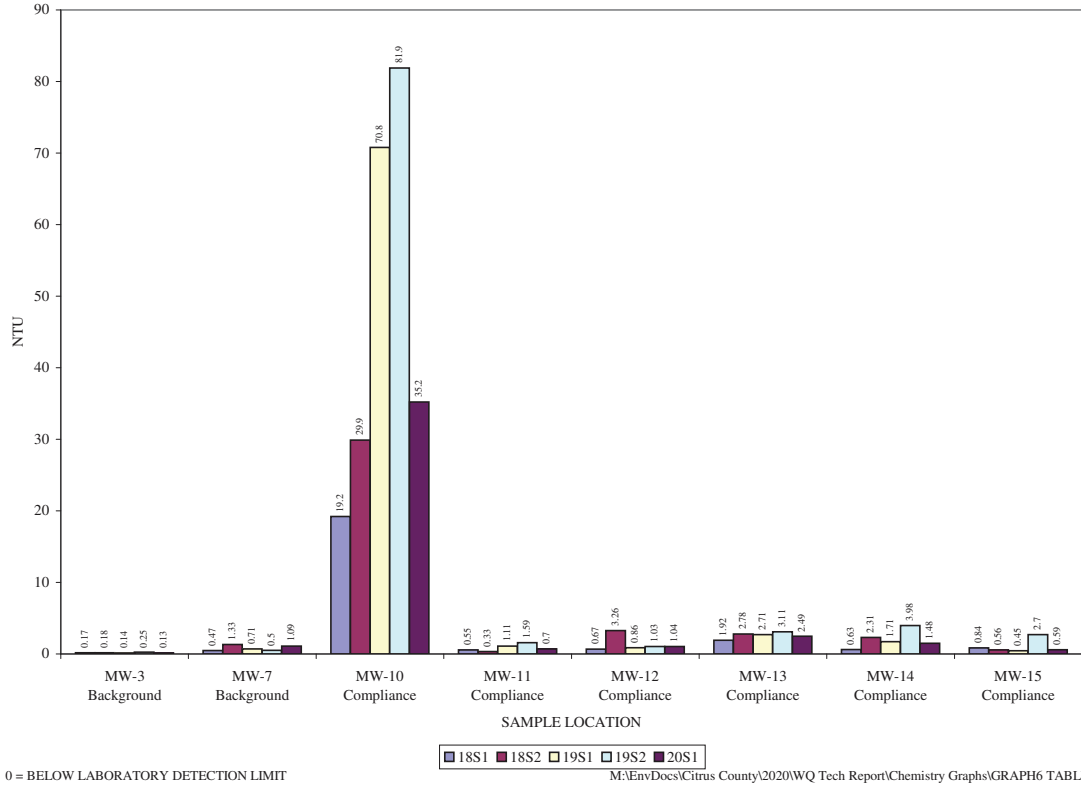


**TEMPERATURE (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

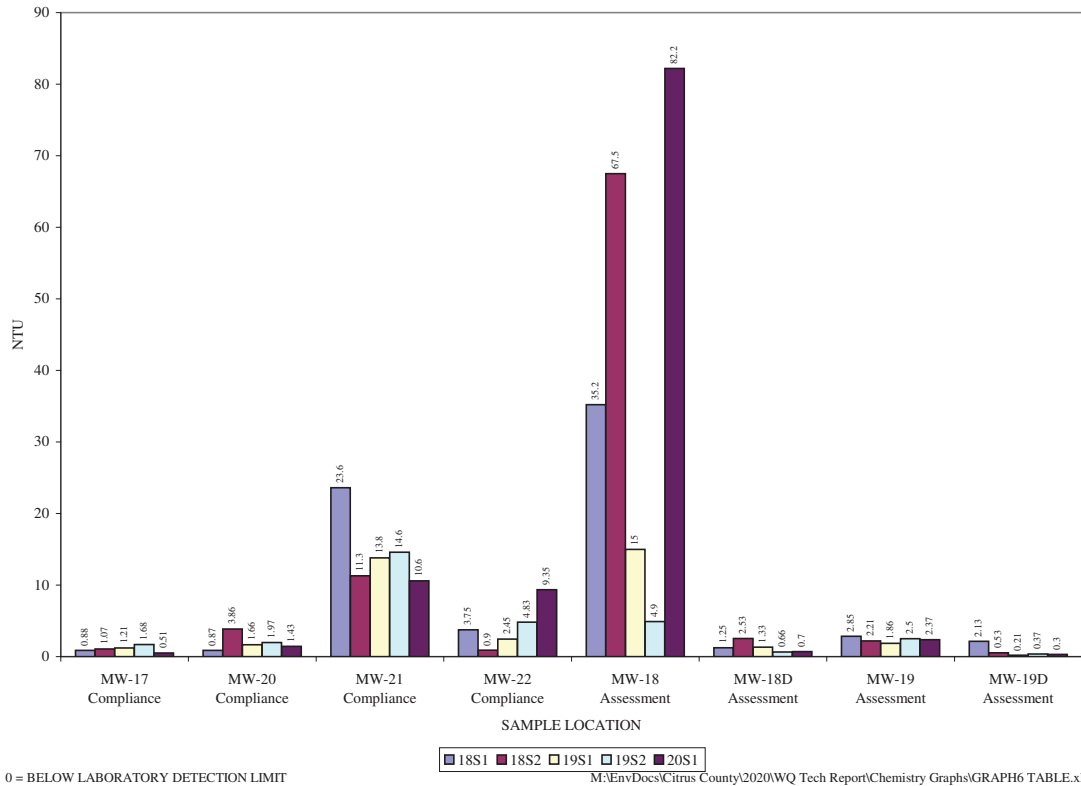




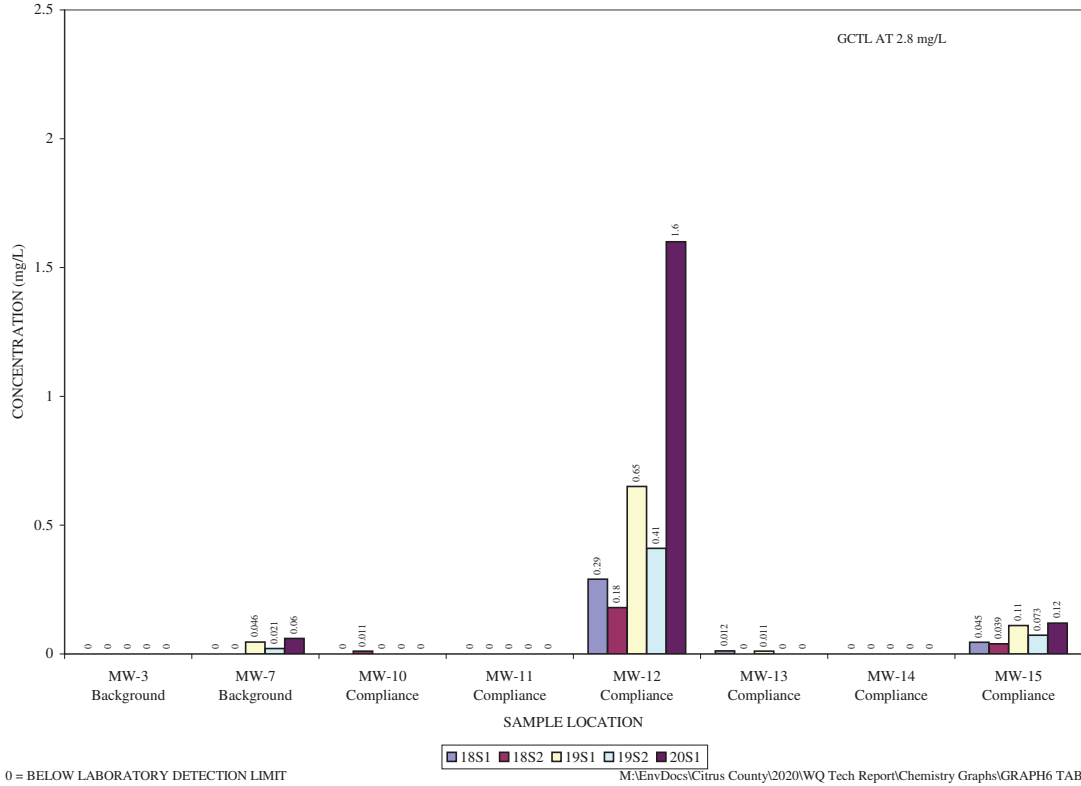
**TURBIDITY (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



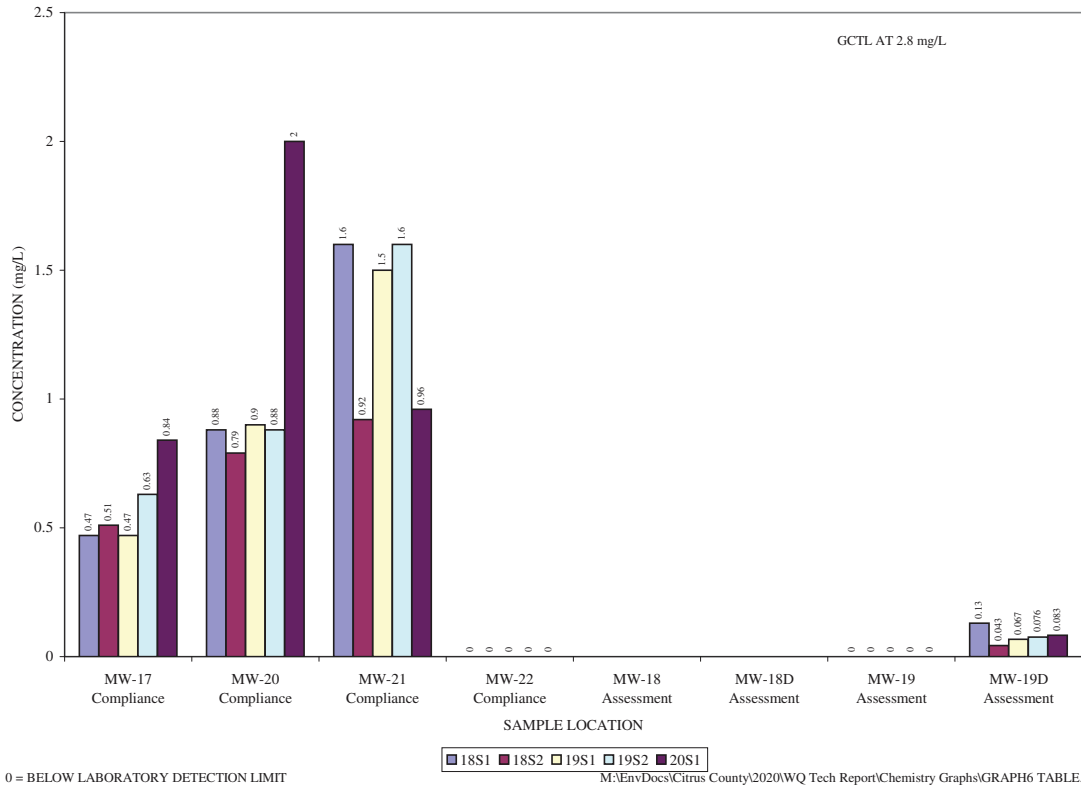
**TURBIDITY (FIELD)**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



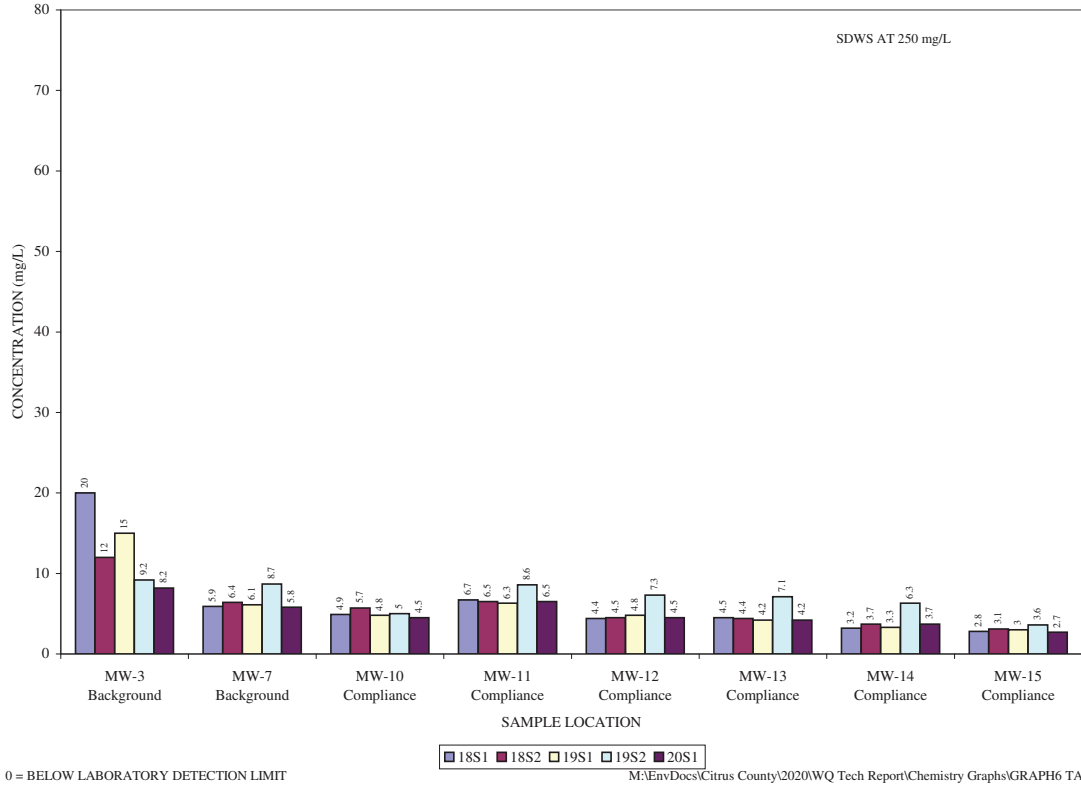
**AMMONIA NITROGEN**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



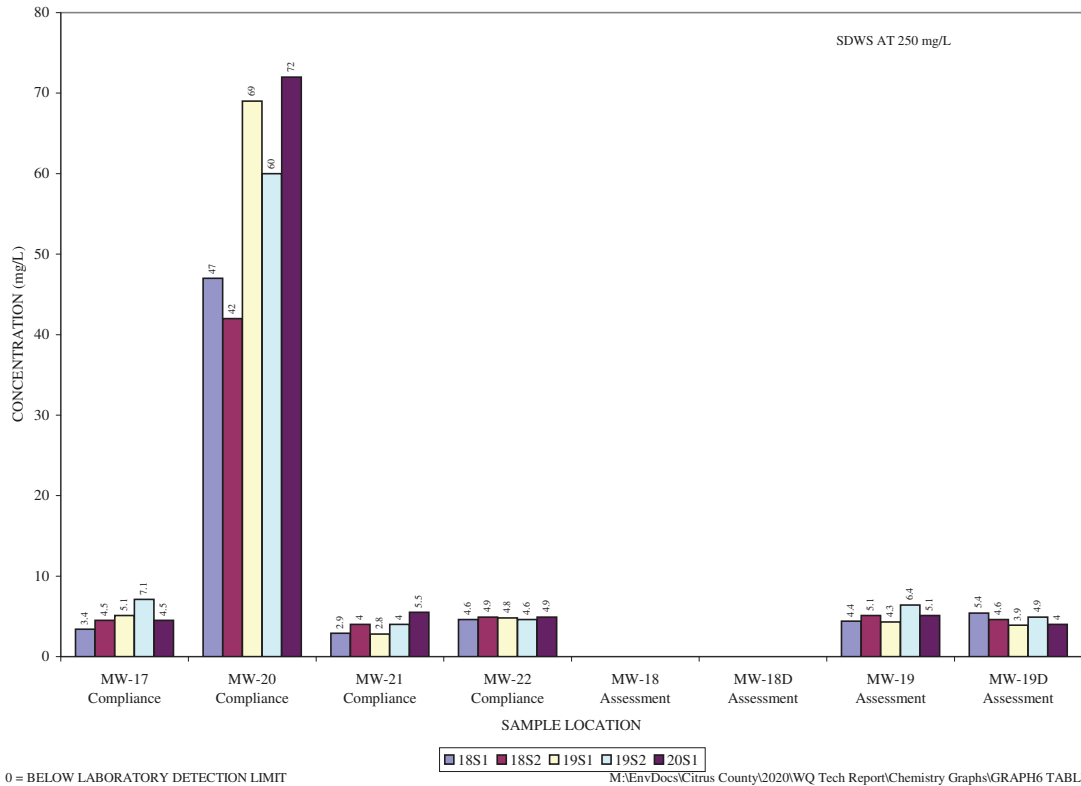
**AMMONIA NITROGEN**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



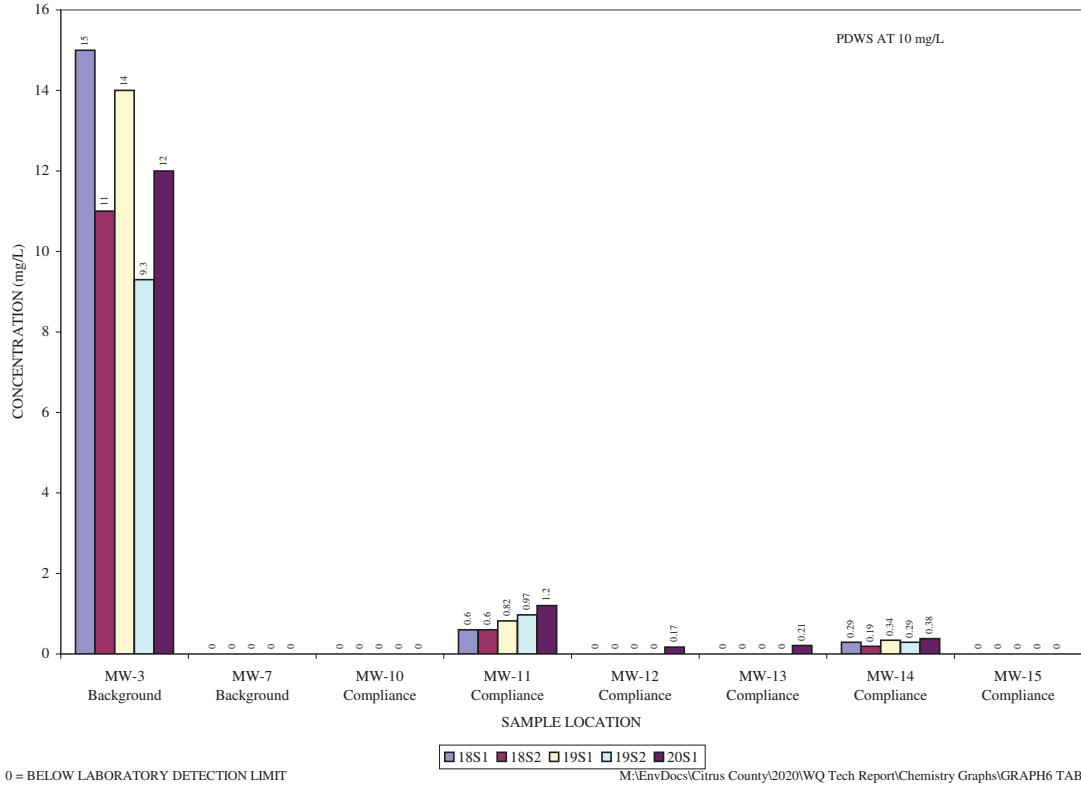
**CHLORIDE**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



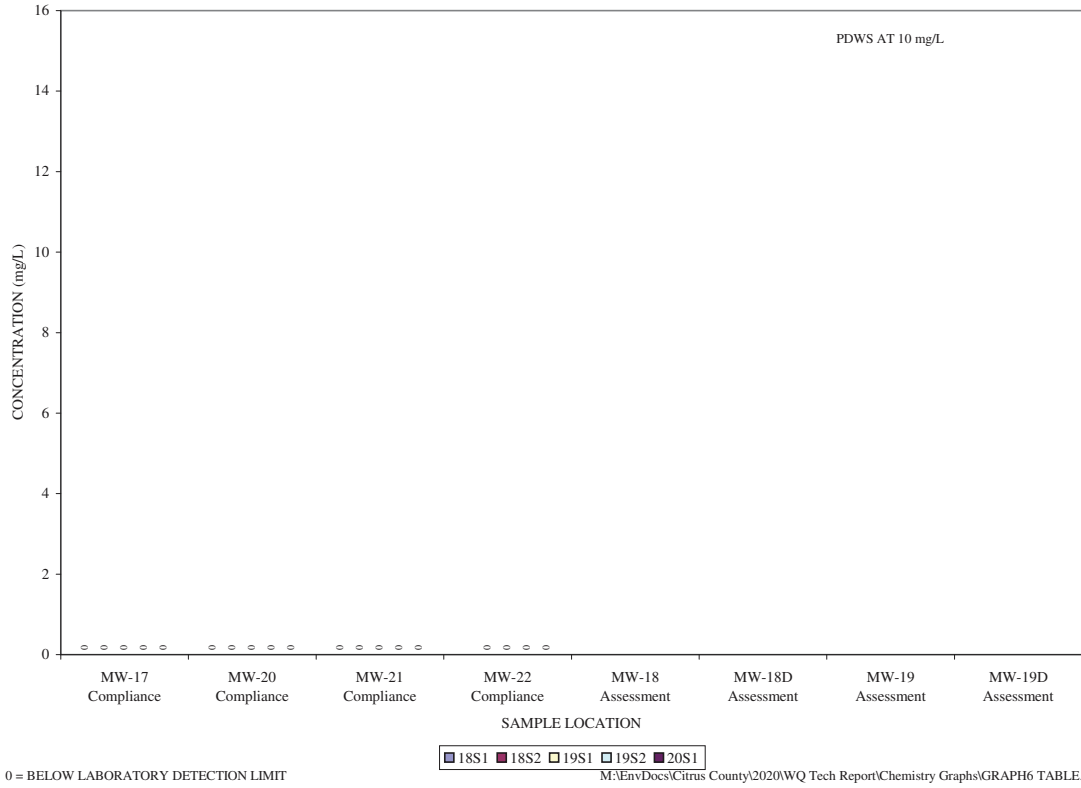
**CHLORIDE**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



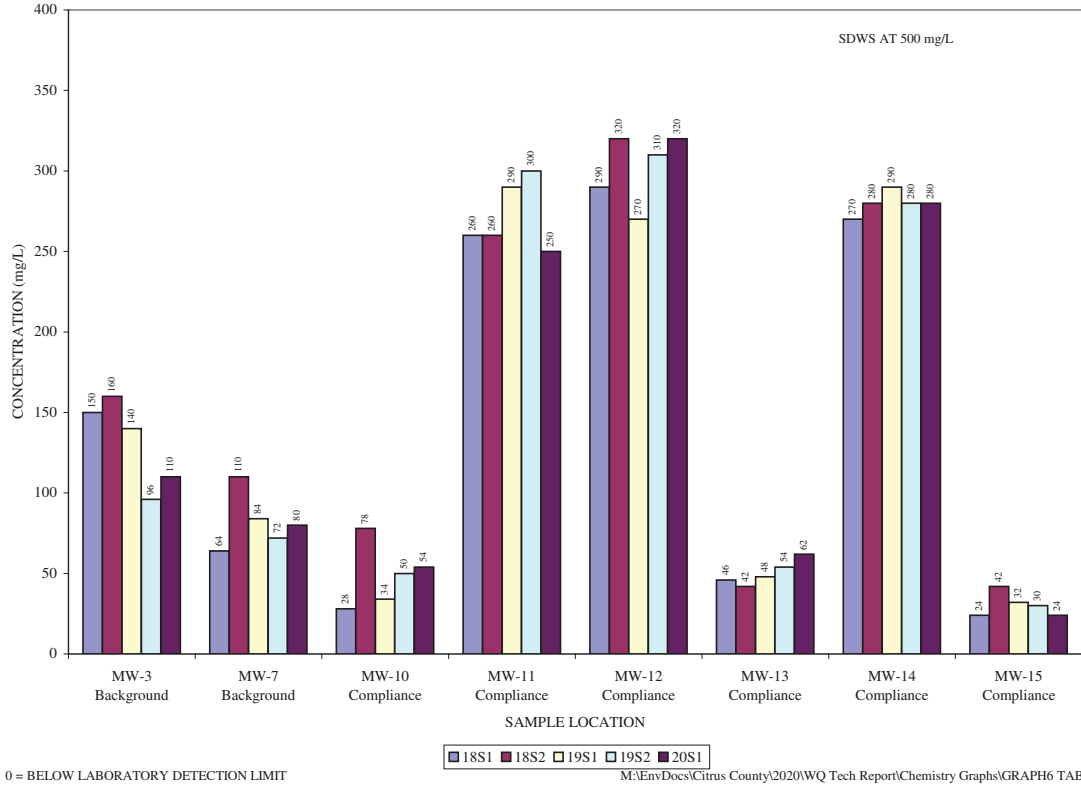
**NITRATE NITROGEN**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



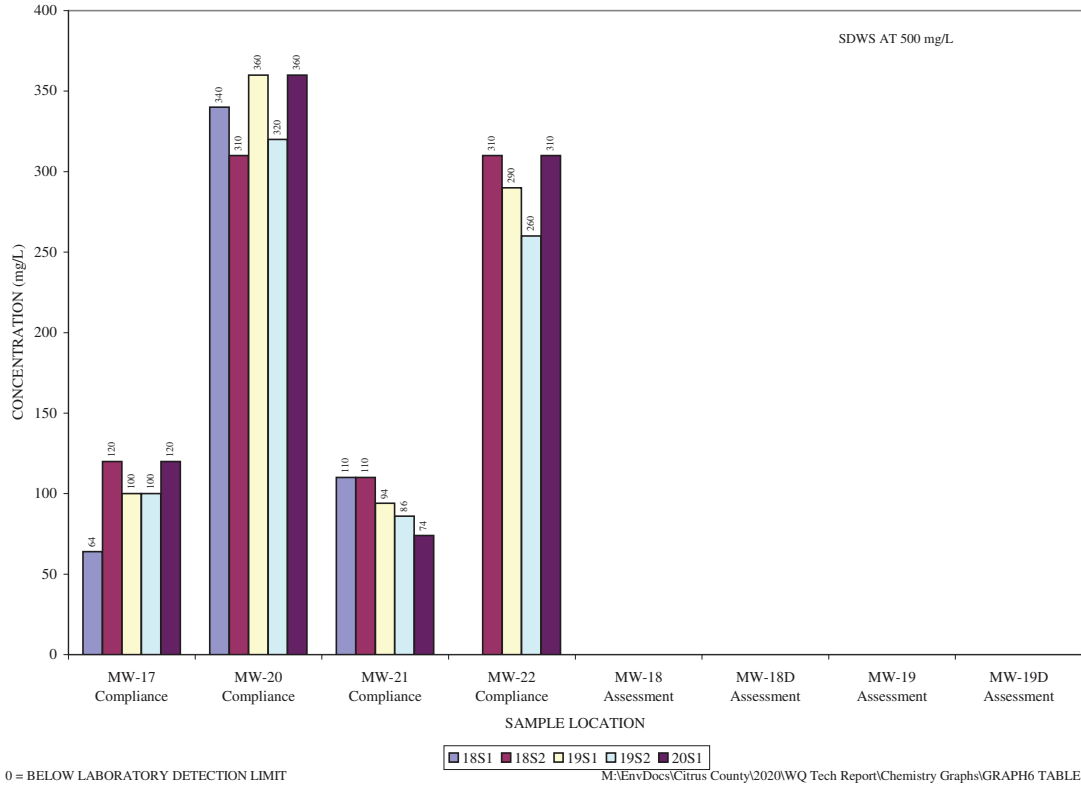
**NITRATE NITROGEN**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



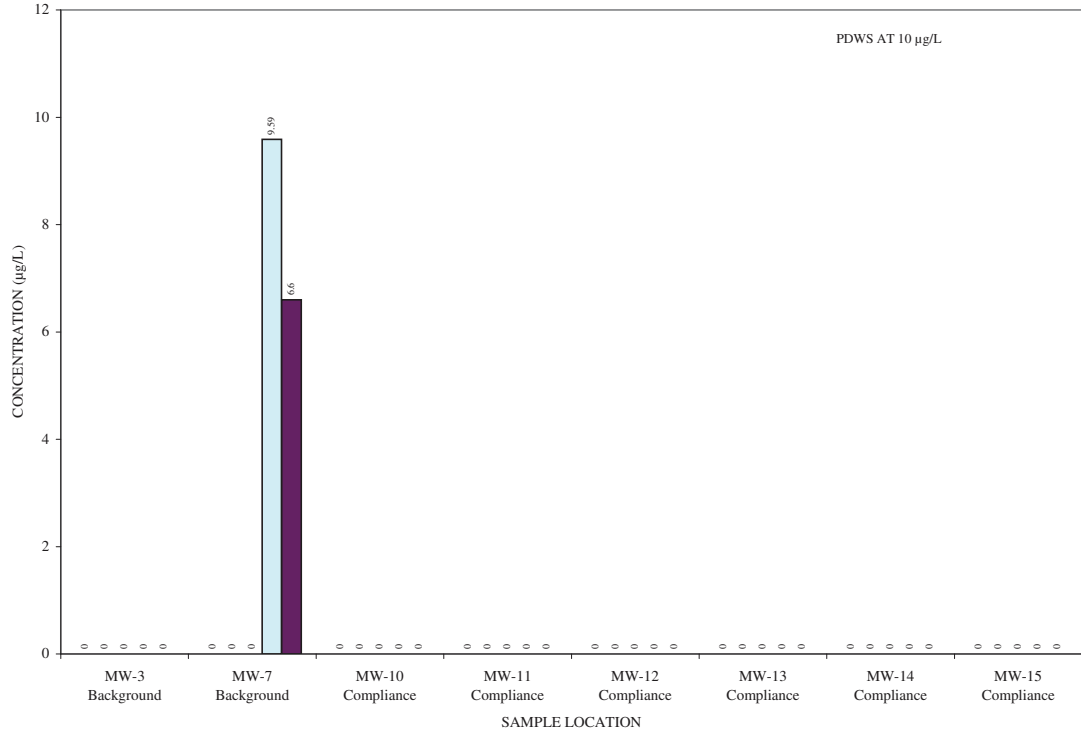
**TOTAL DISSOLVED SOLIDS**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



**TOTAL DISSOLVED SOLIDS**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



**ARSENIC**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH

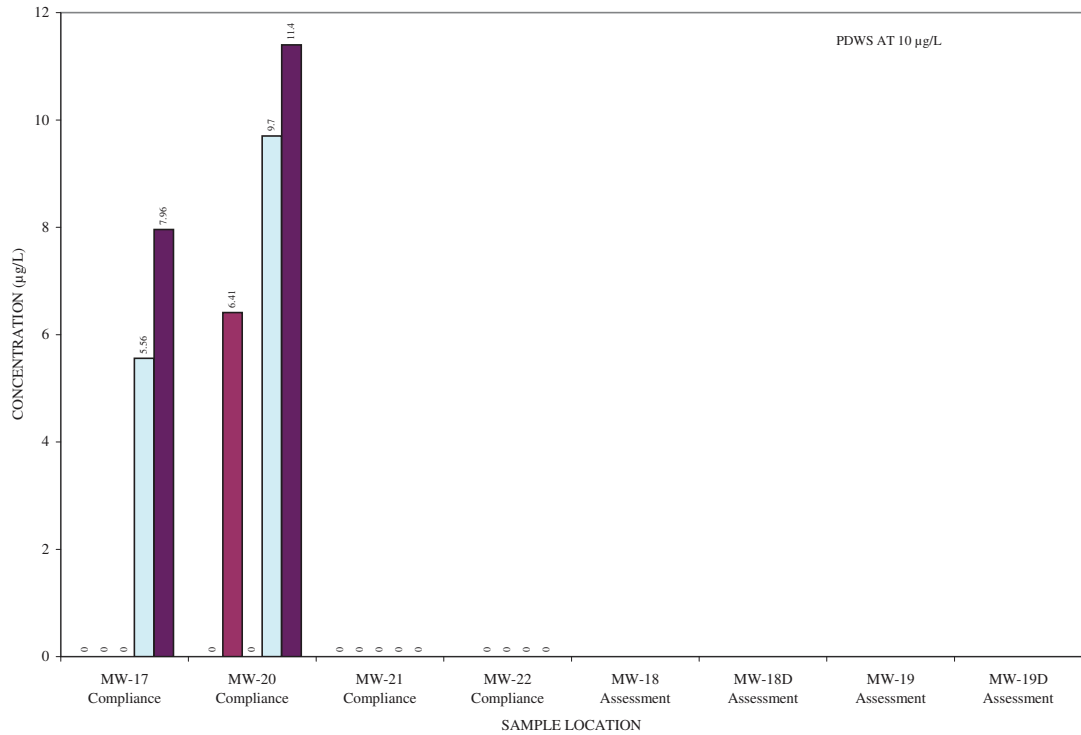


0 = BELOW LABORATORY DETECTION LIMIT

■ 18S1 ■ 18S2 □ 19S1 □ 19S2 ■ 20S1

M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE.xls:AS

**ARSENIC**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH

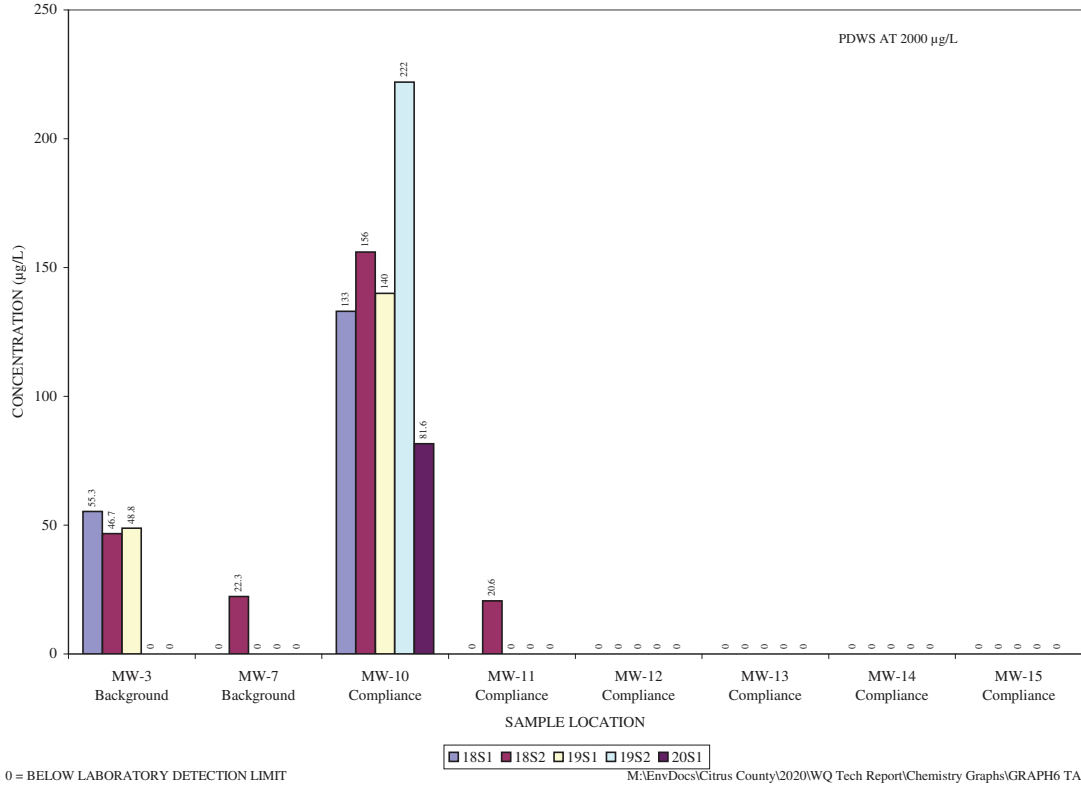


0 = BELOW LABORATORY DETECTION LIMIT

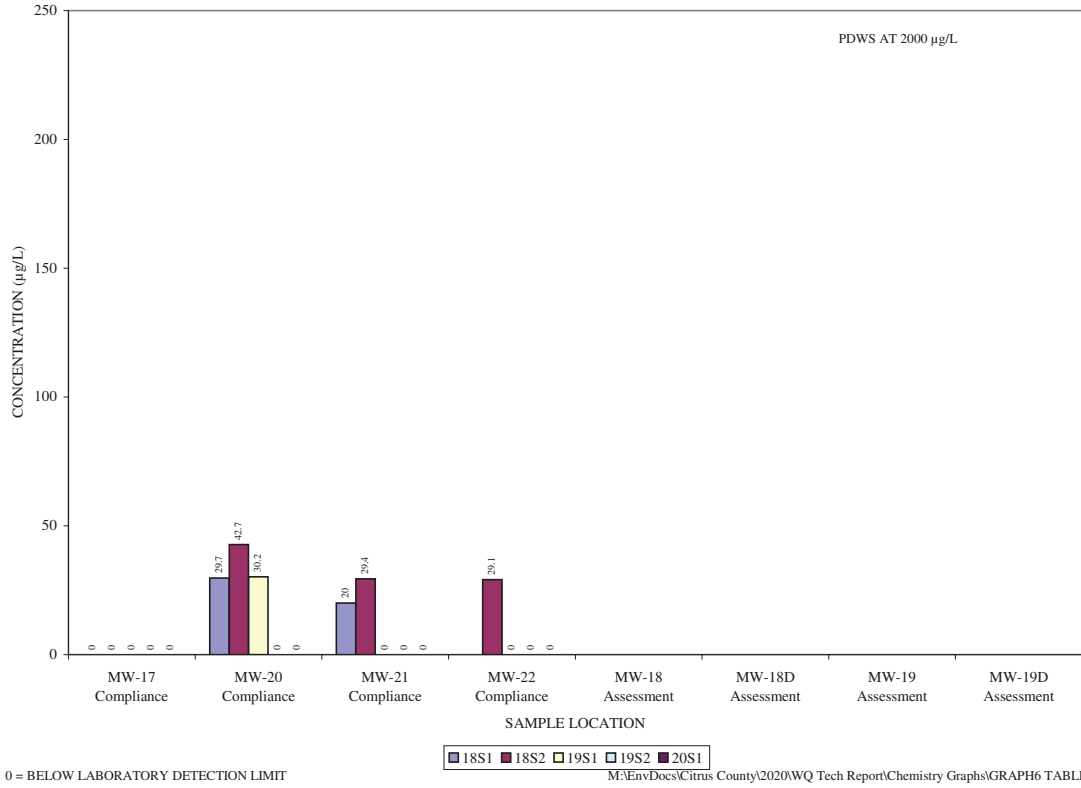
■ 18S1 ■ 18S2 □ 19S1 □ 19S2 ■ 20S1

M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE.xls:AS (2)

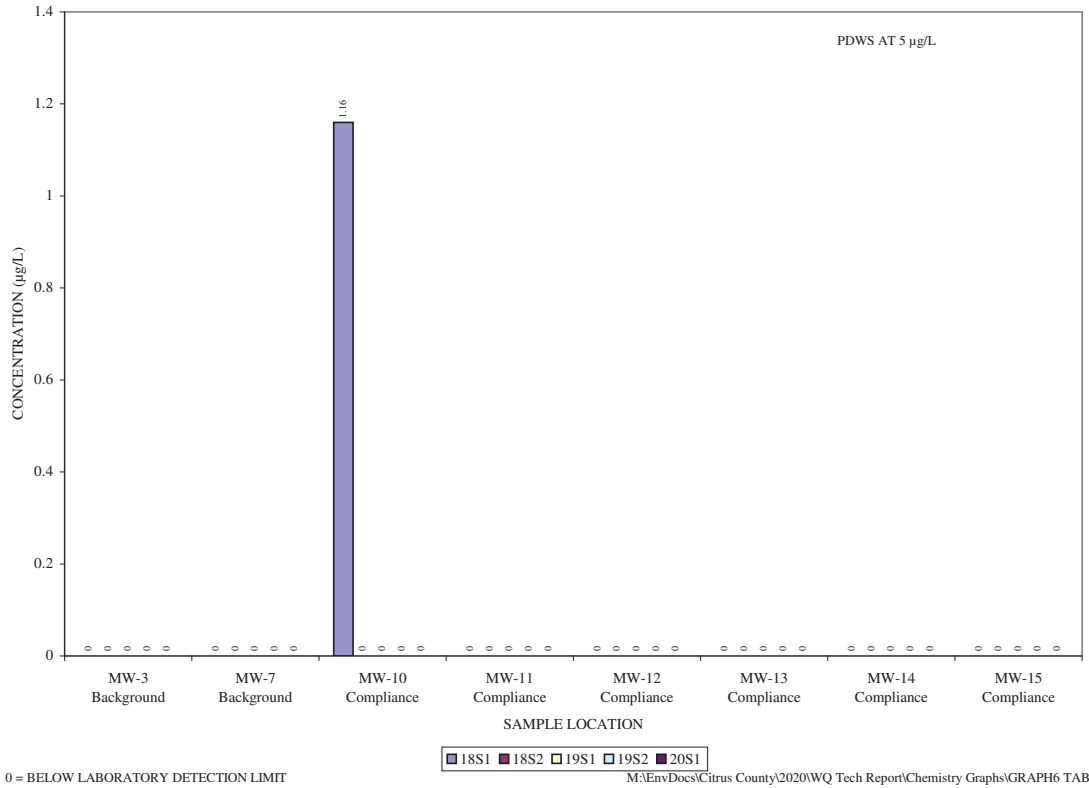
**BARIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



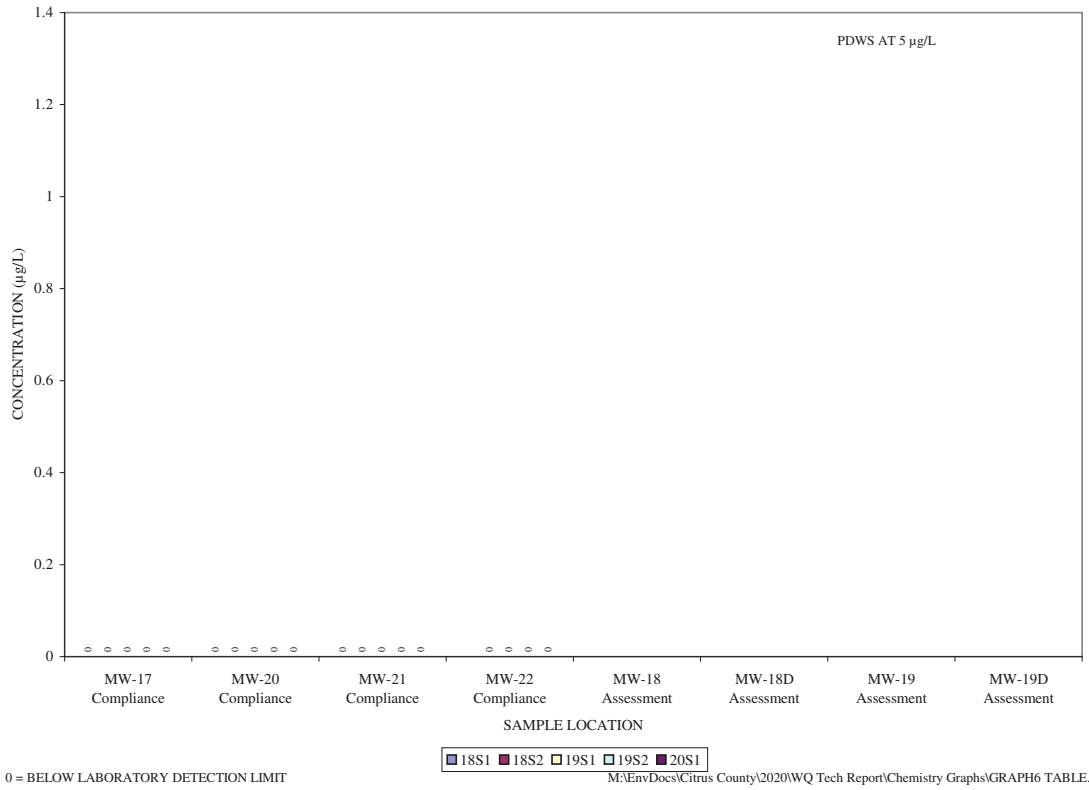
**BARIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



**CADMIUM**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

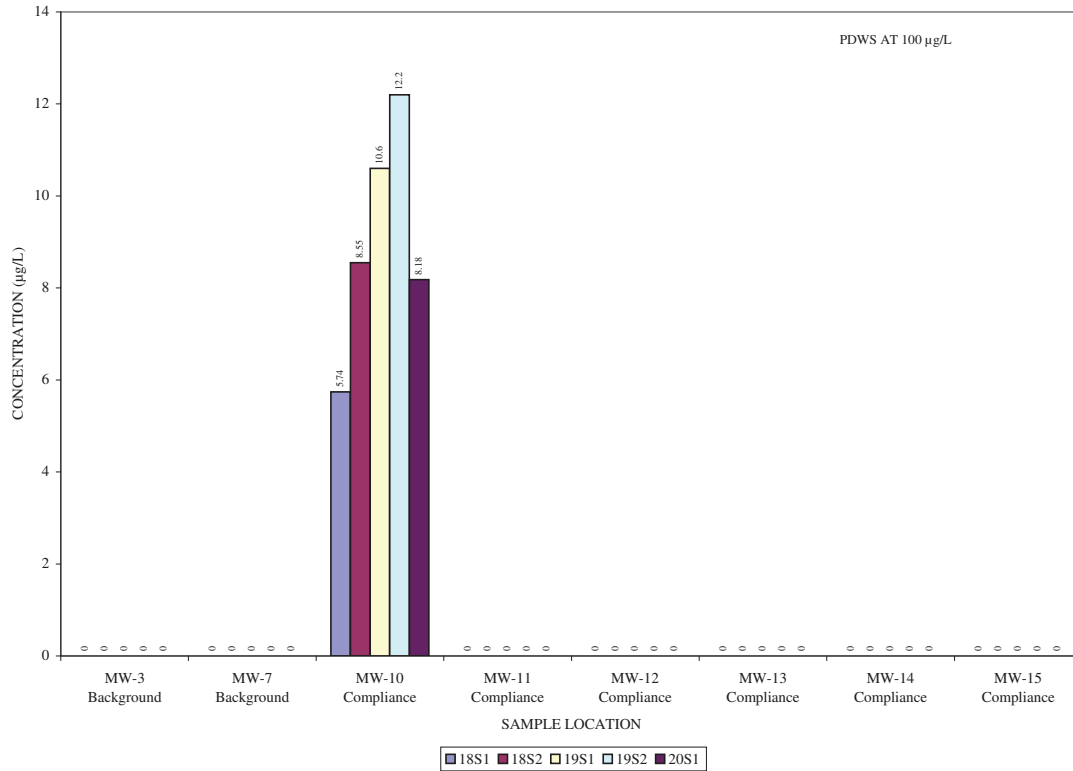


**CADMIUM**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

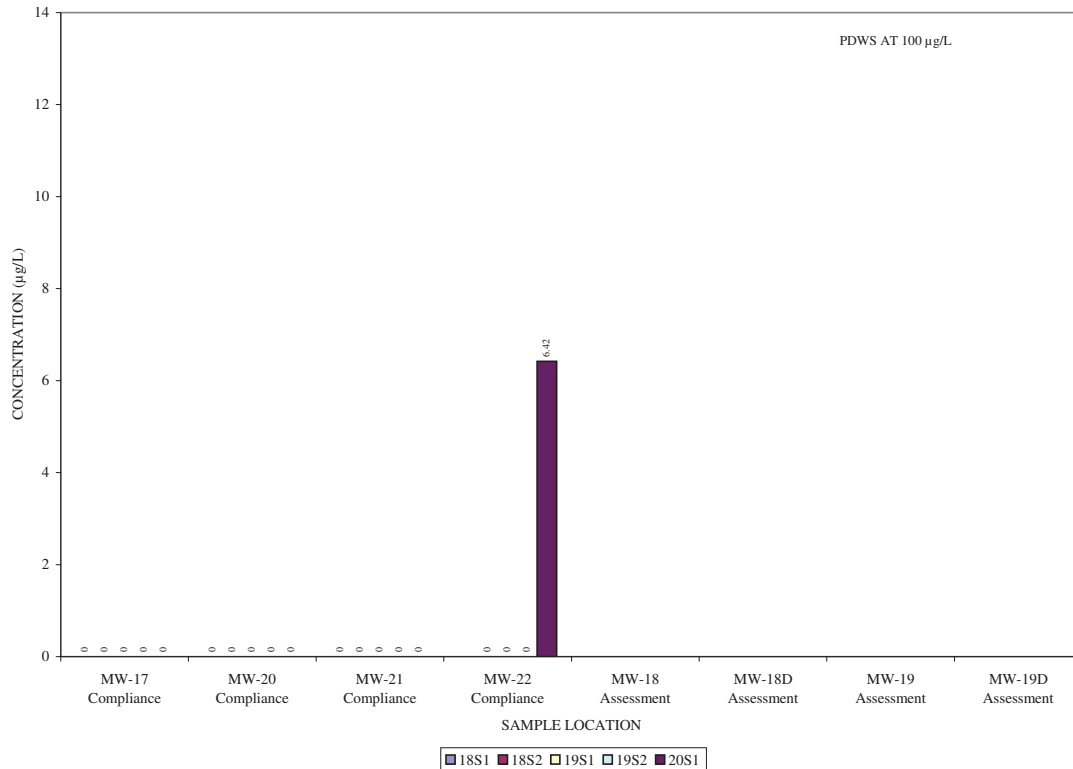




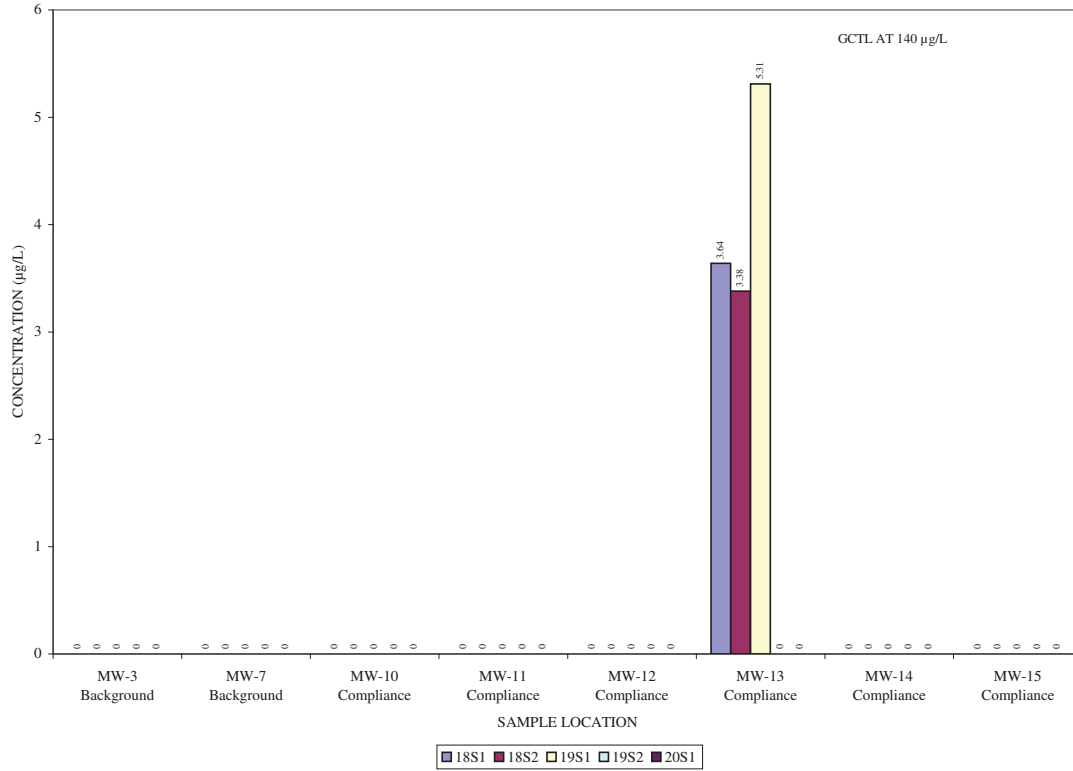
**CHROMIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



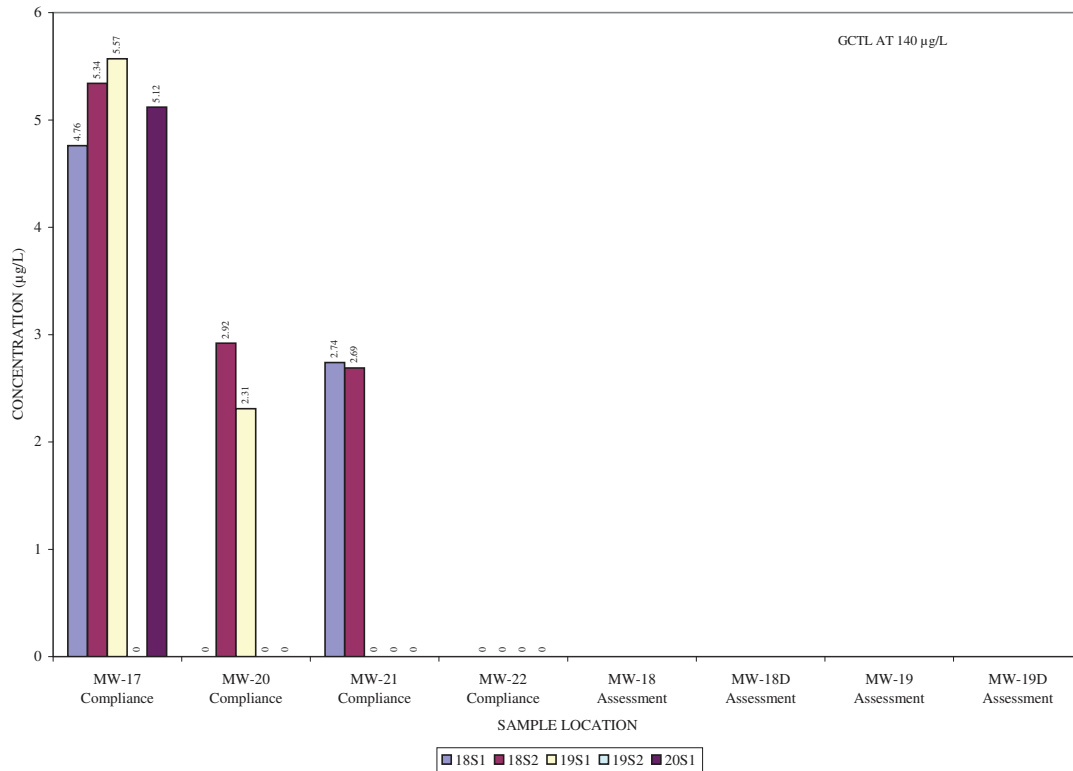
**CHROMIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



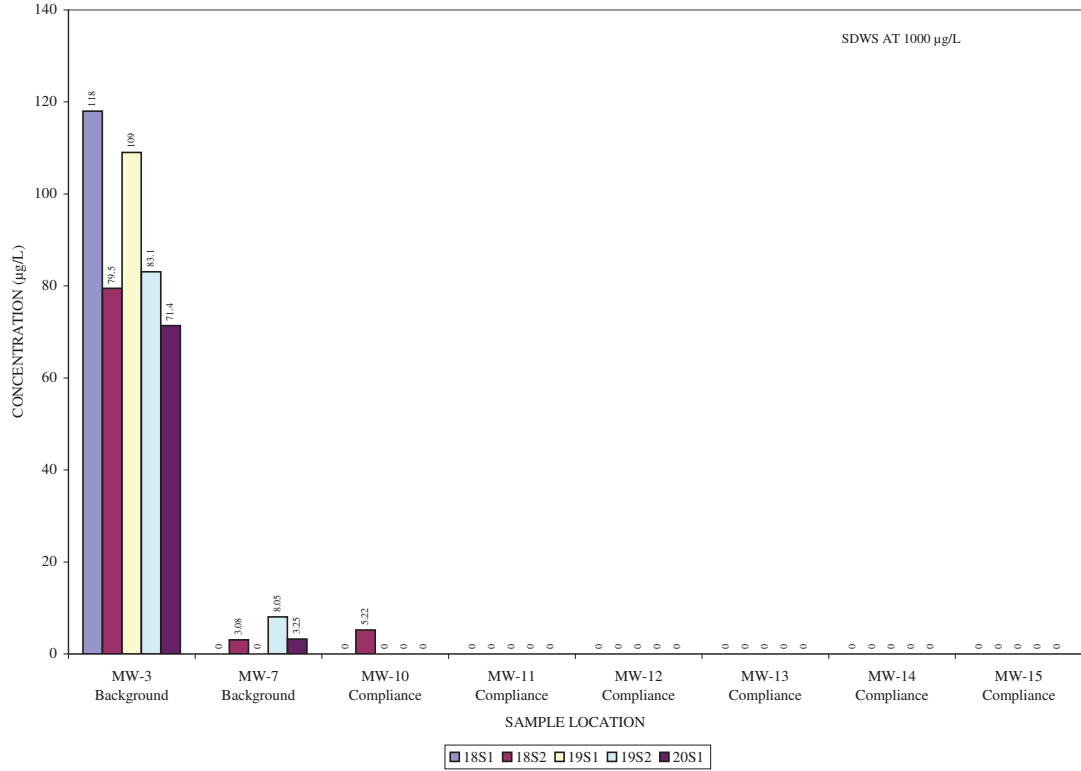
**COBALT**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



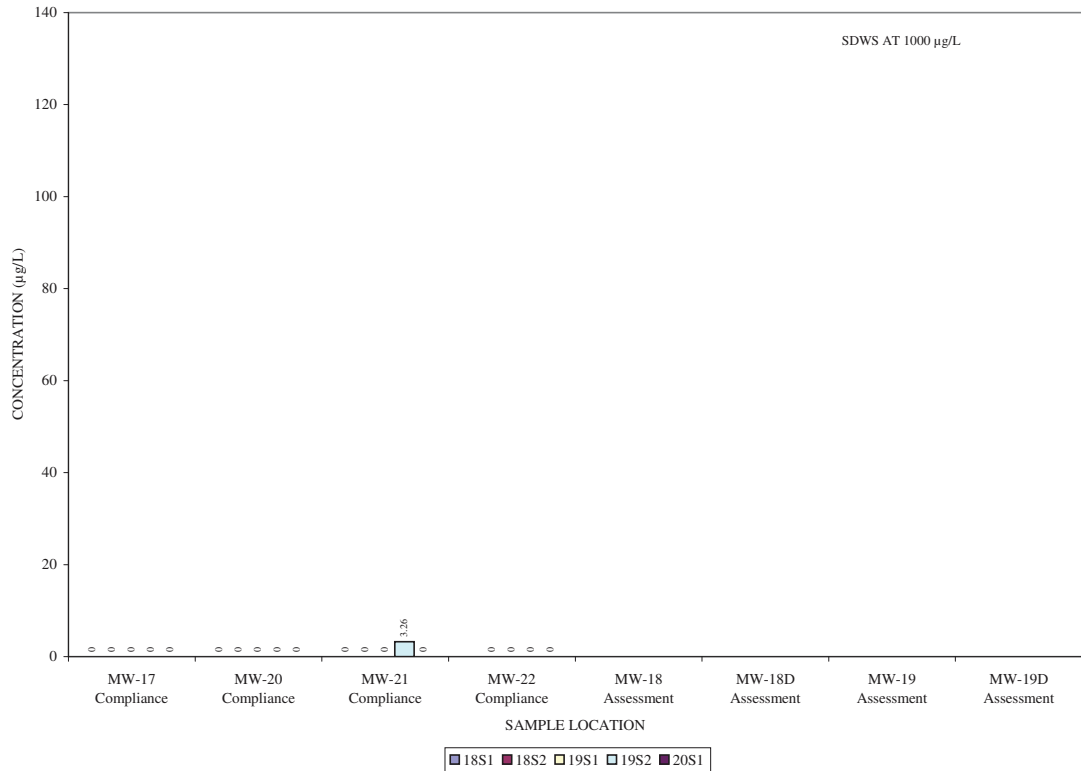
**COBALT**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



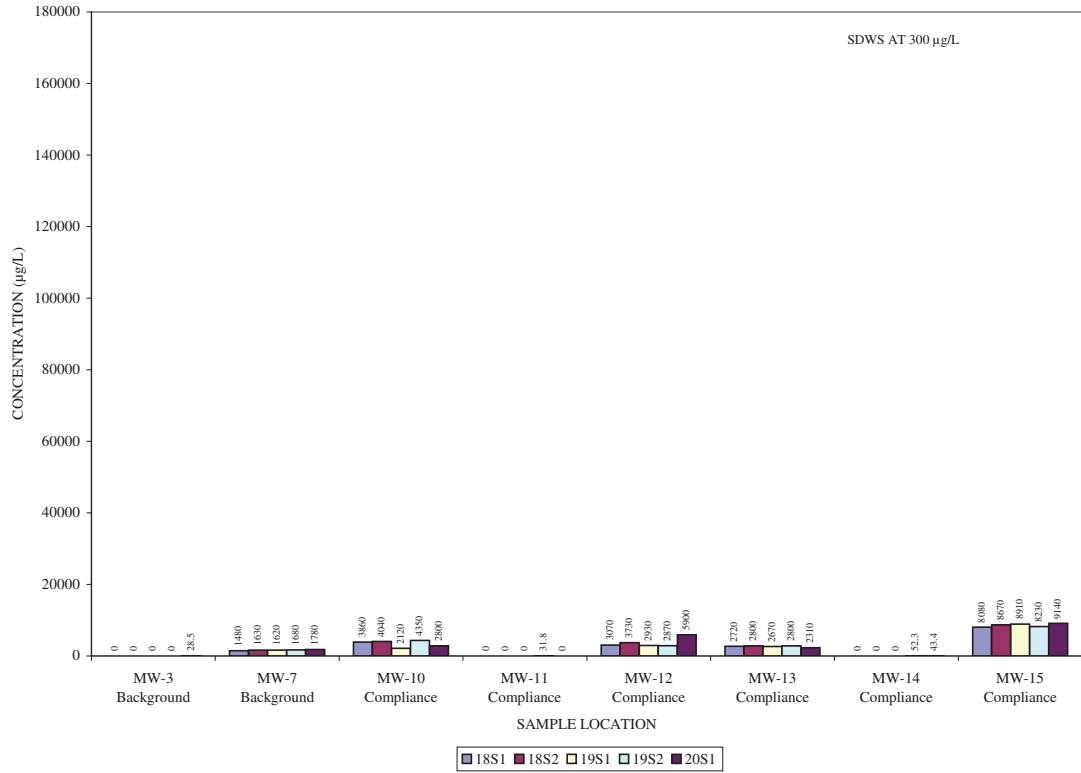
**COPPER**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



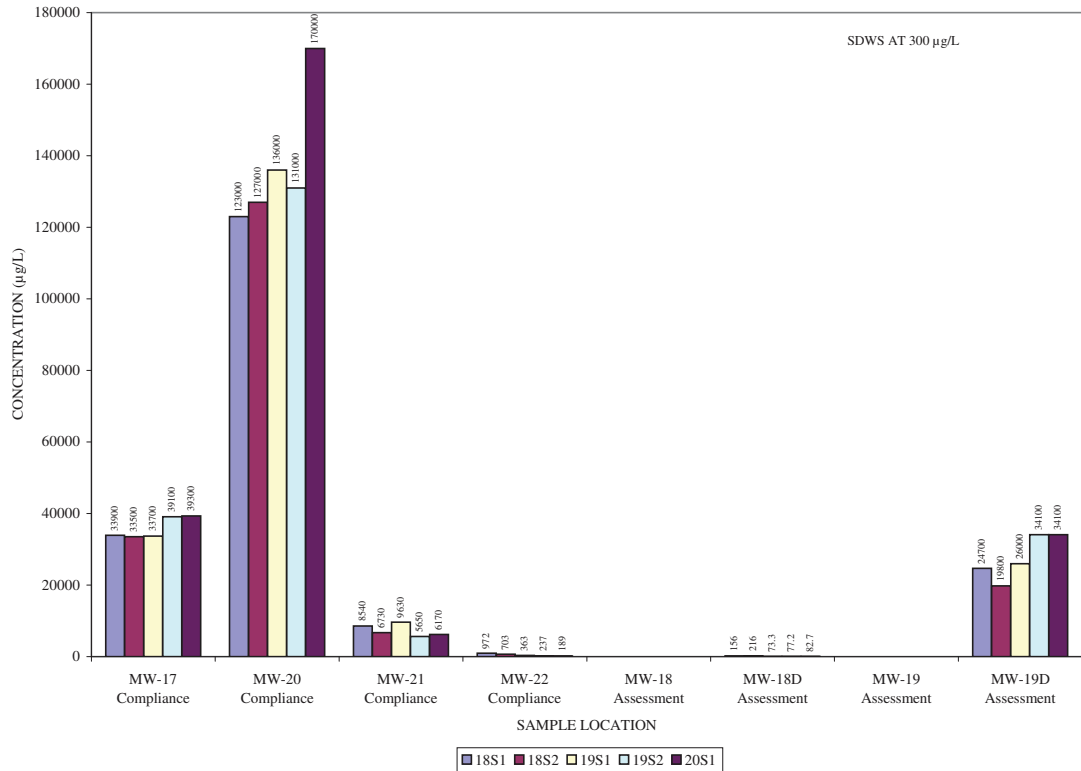
**COPPER**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



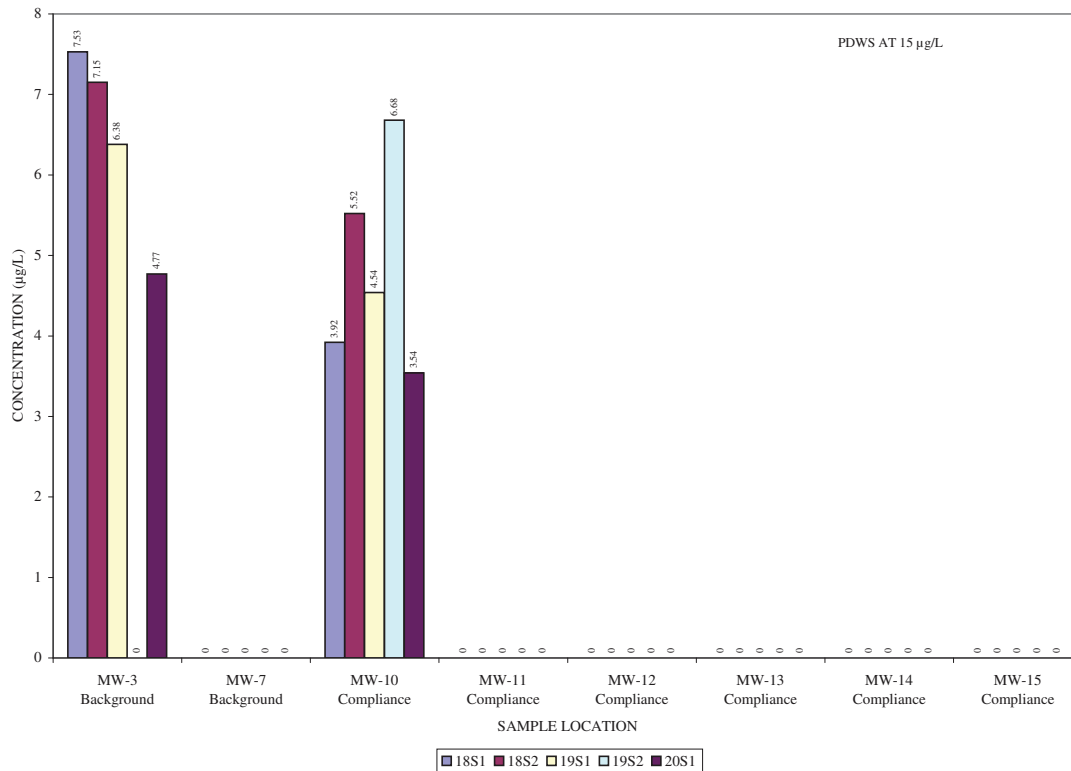
**IRON**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



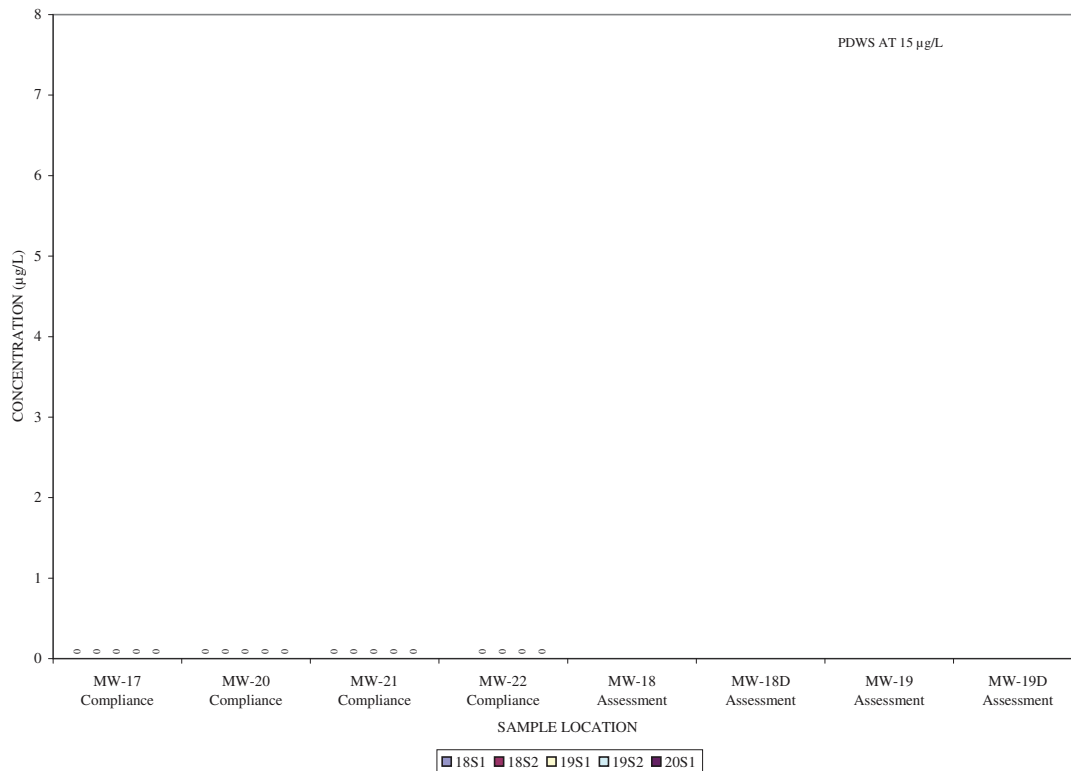
**IRON**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



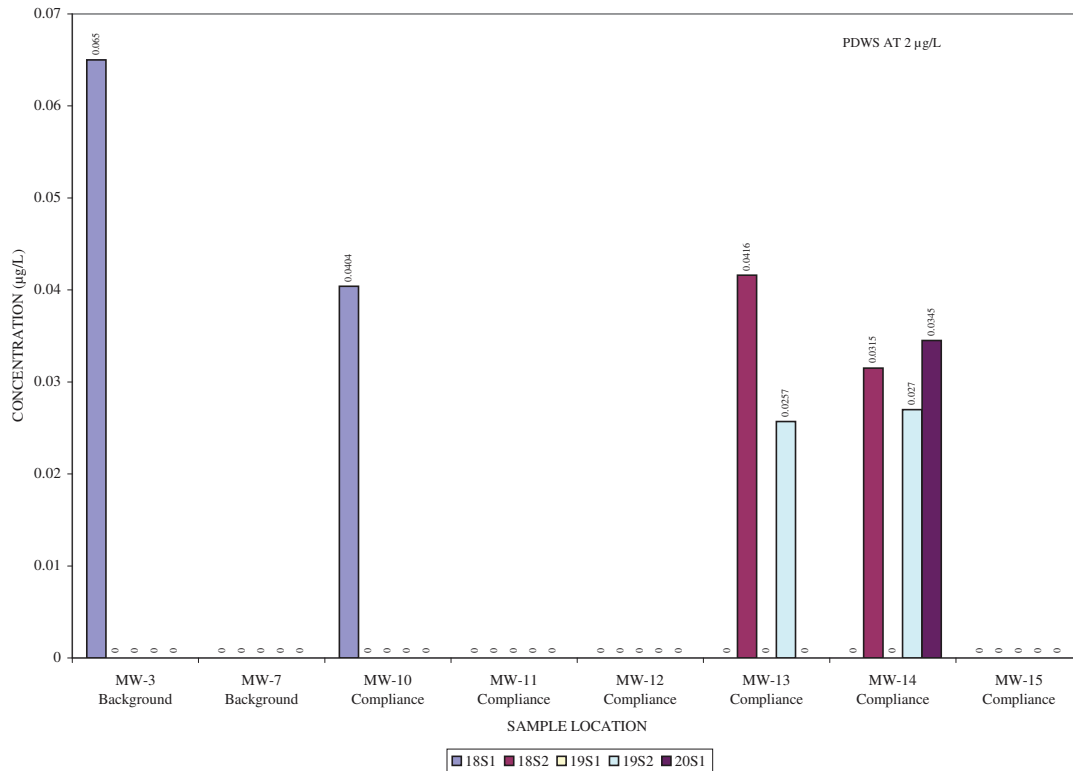
**LEAD**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



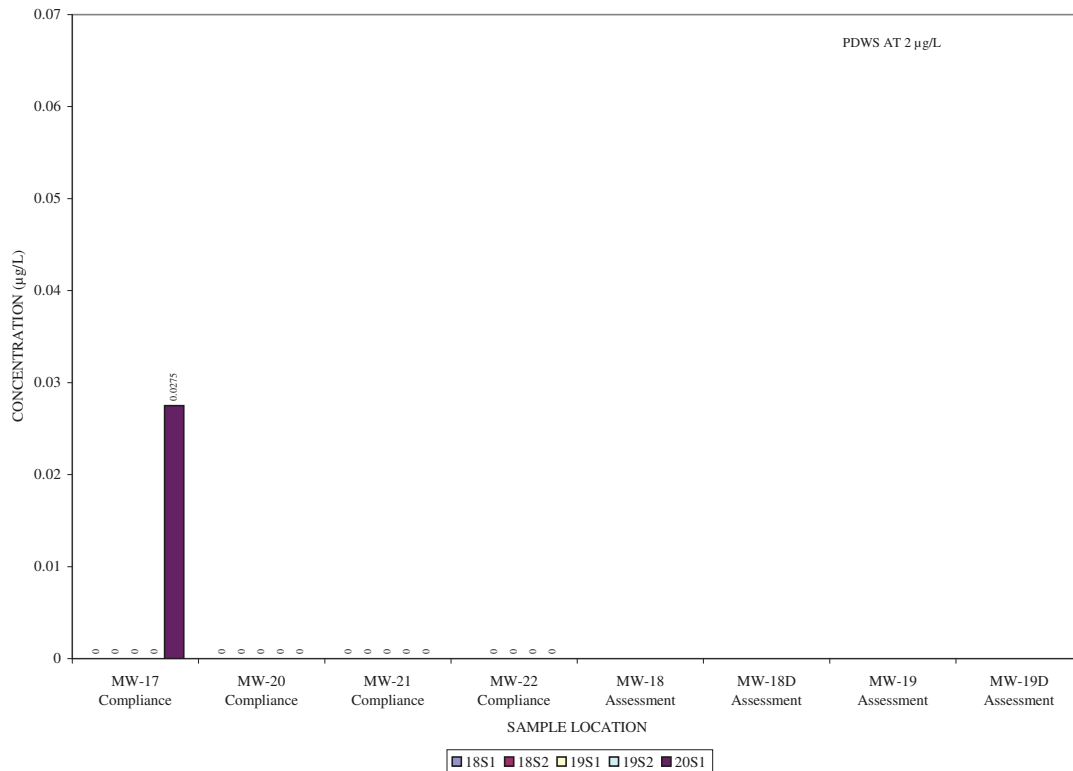
**LEAD**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



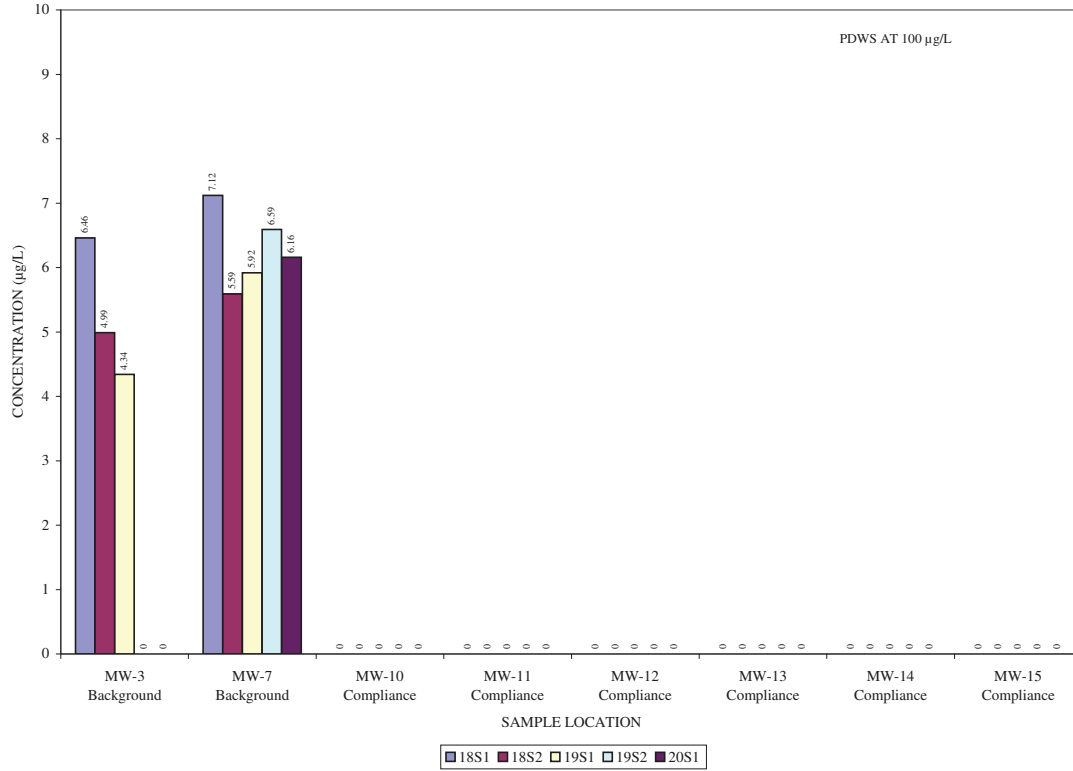
**MERCURY**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



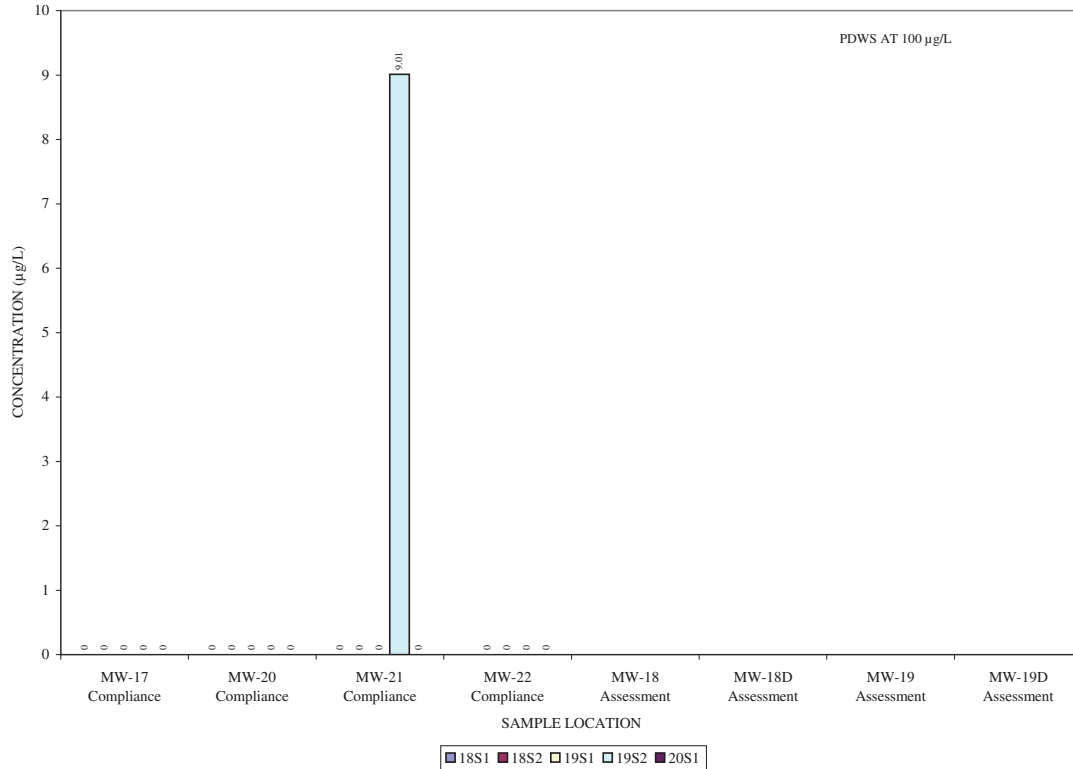
**MERCURY**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



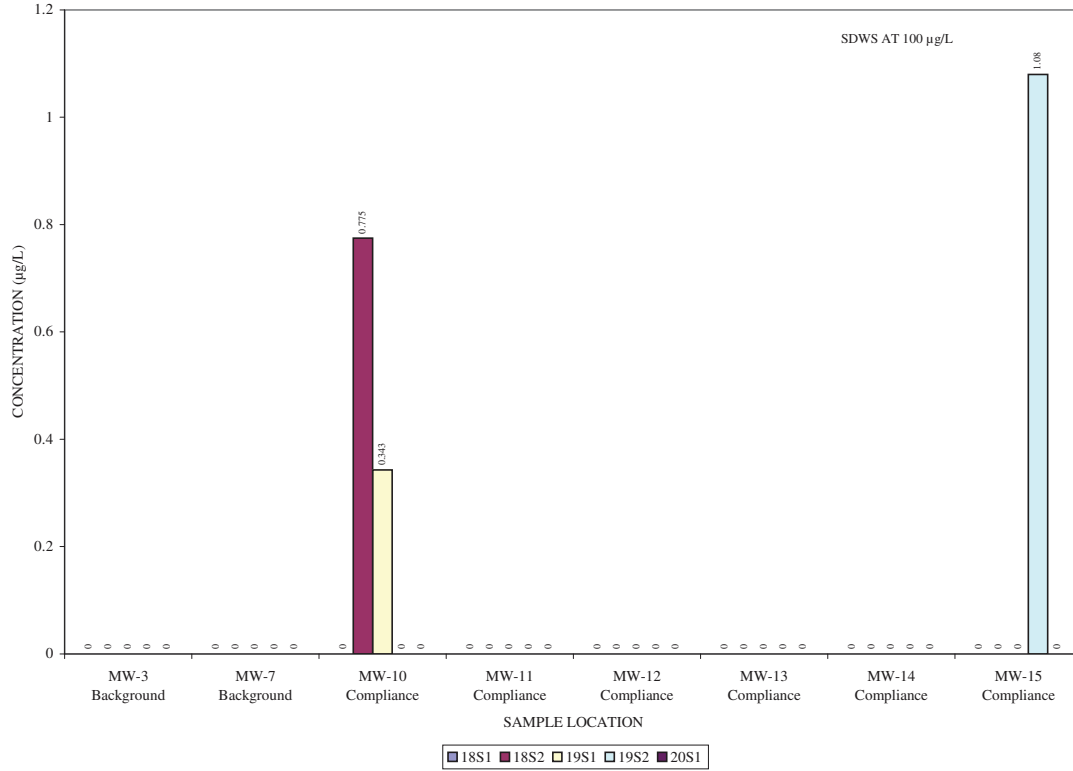
**NICKEL**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



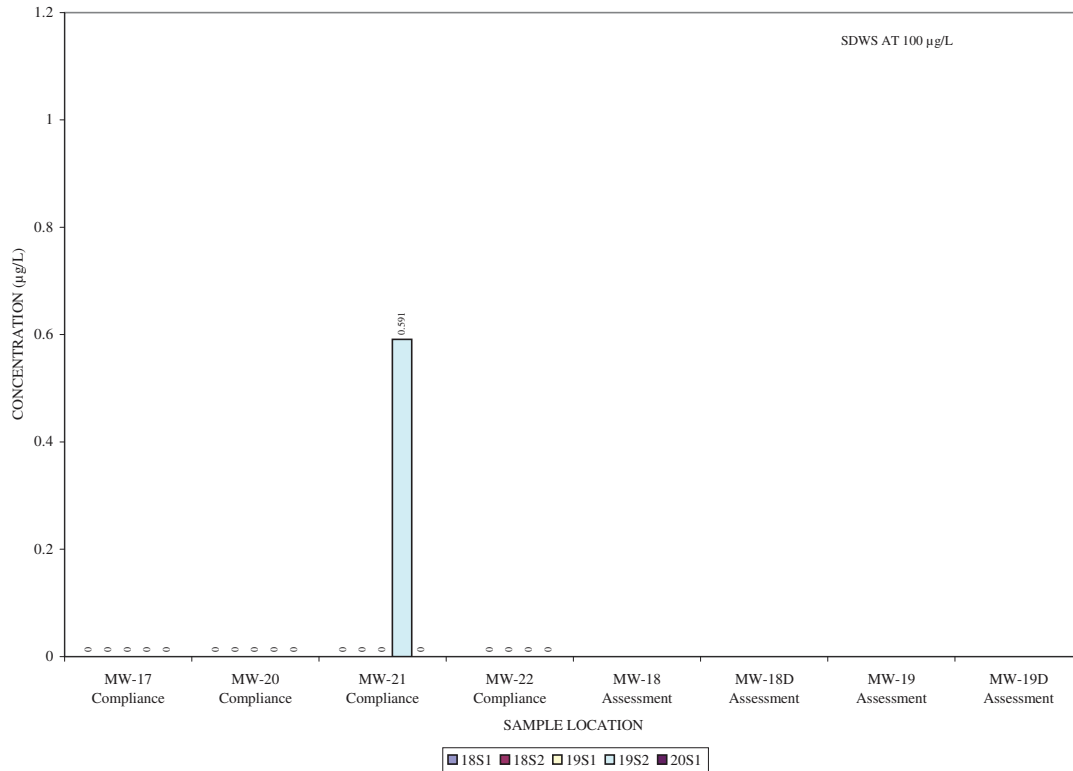
**NICKEL**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



**SILVER**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH

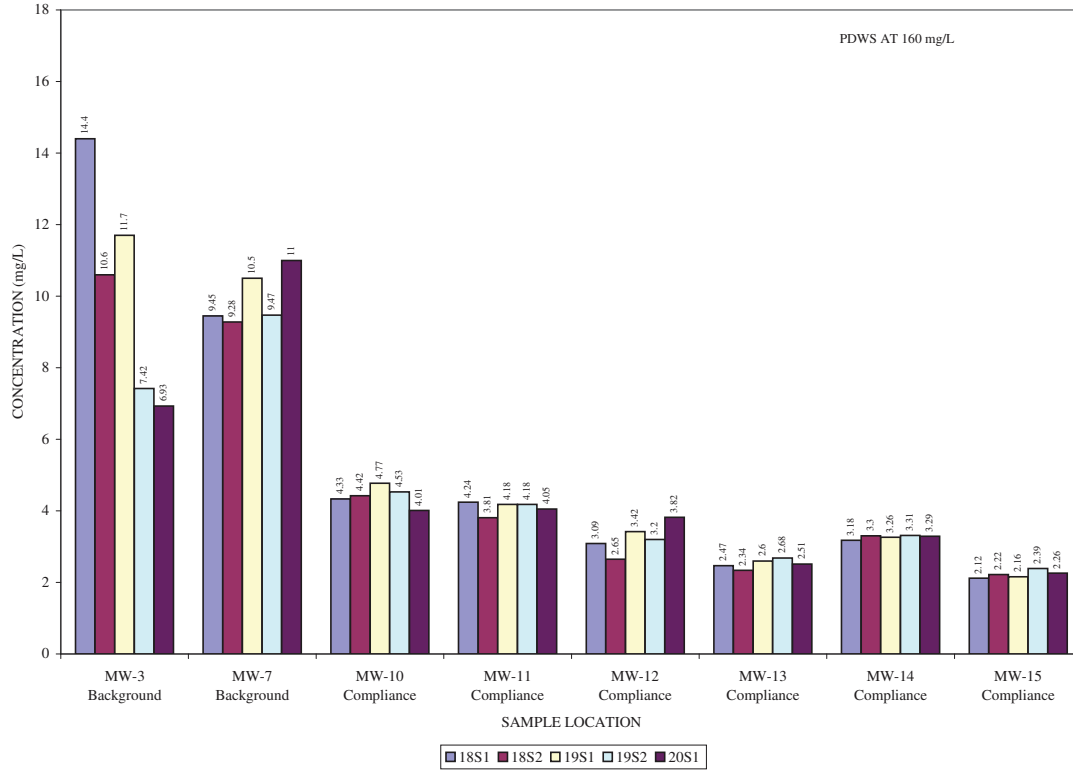


**SILVER**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH

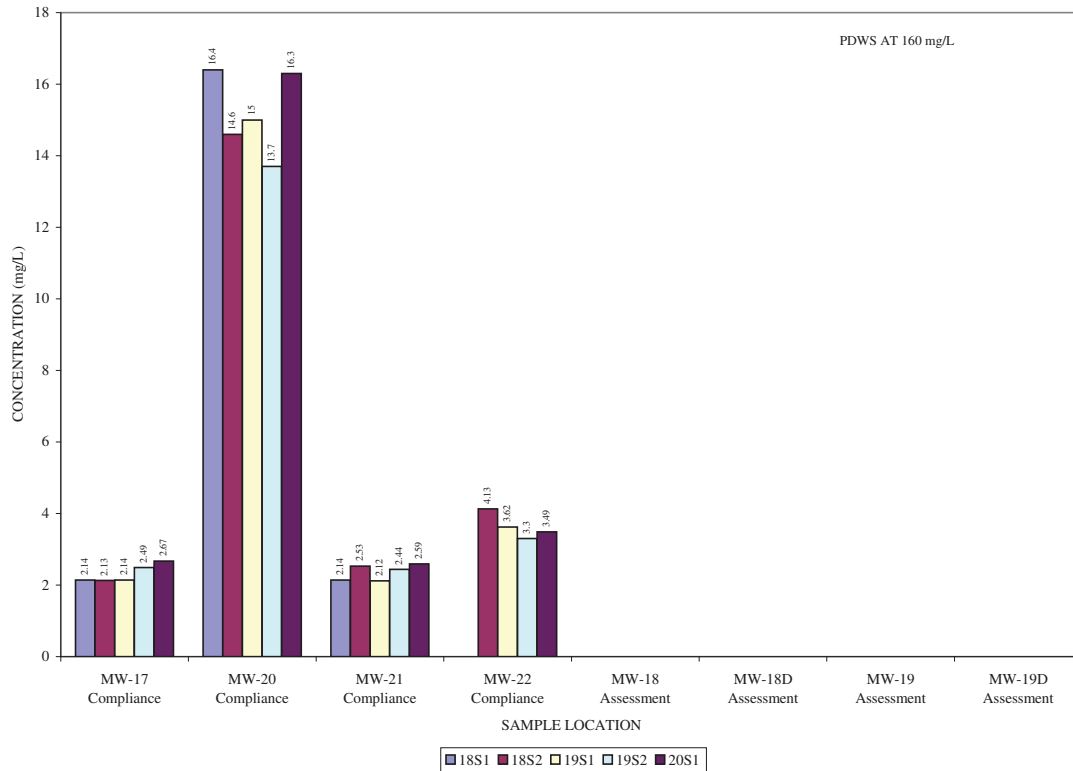




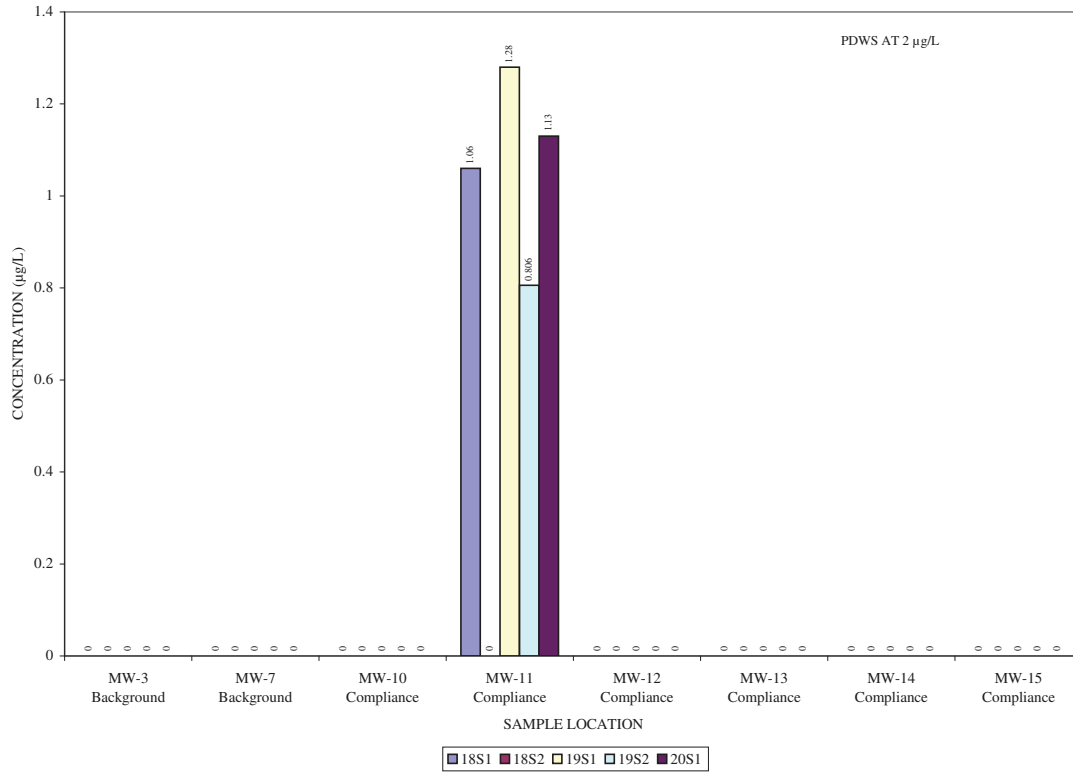
**SODIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



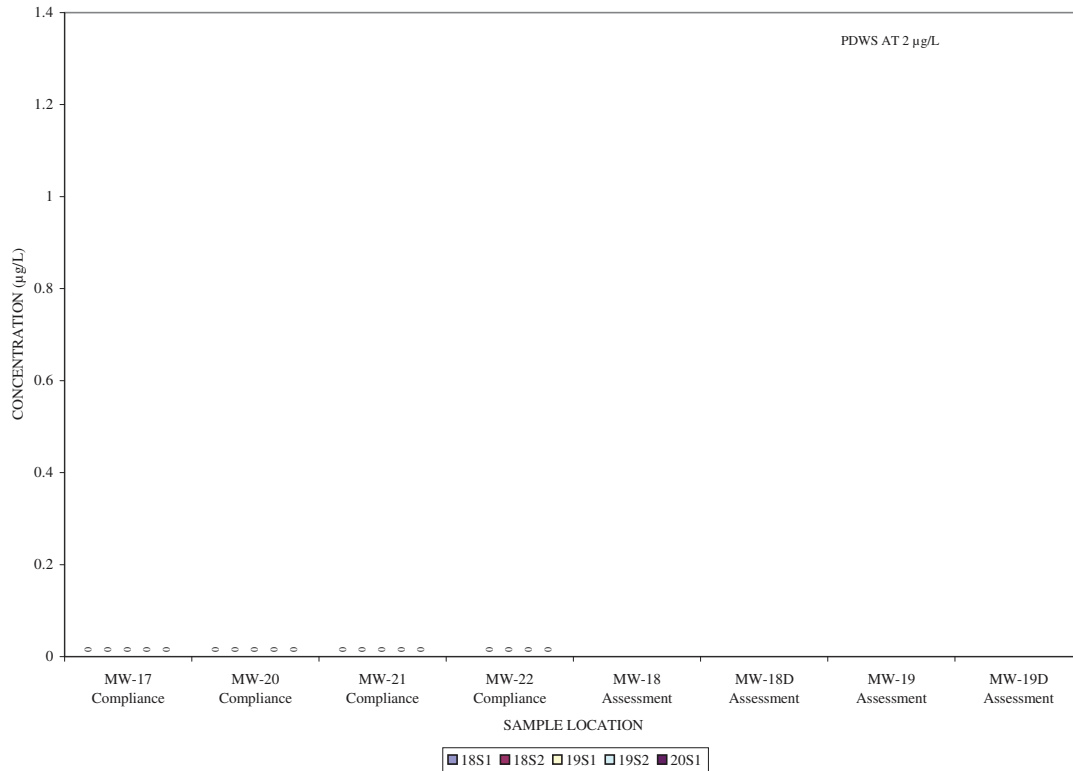
**SODIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



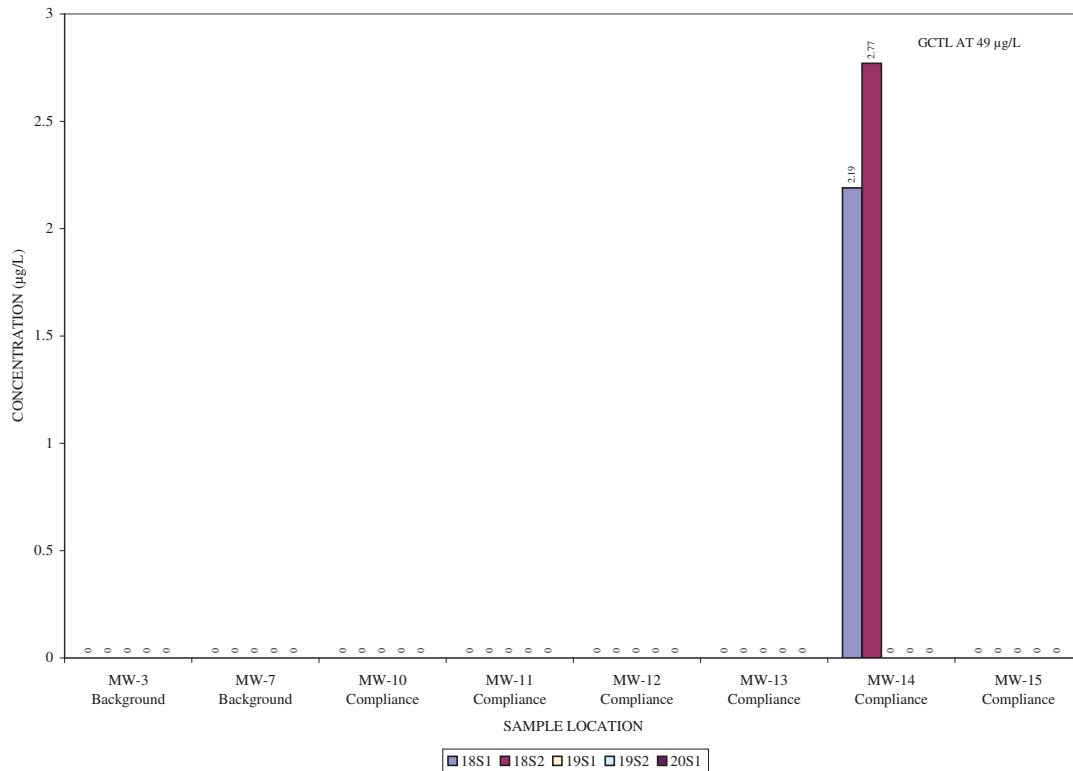
**THALLIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



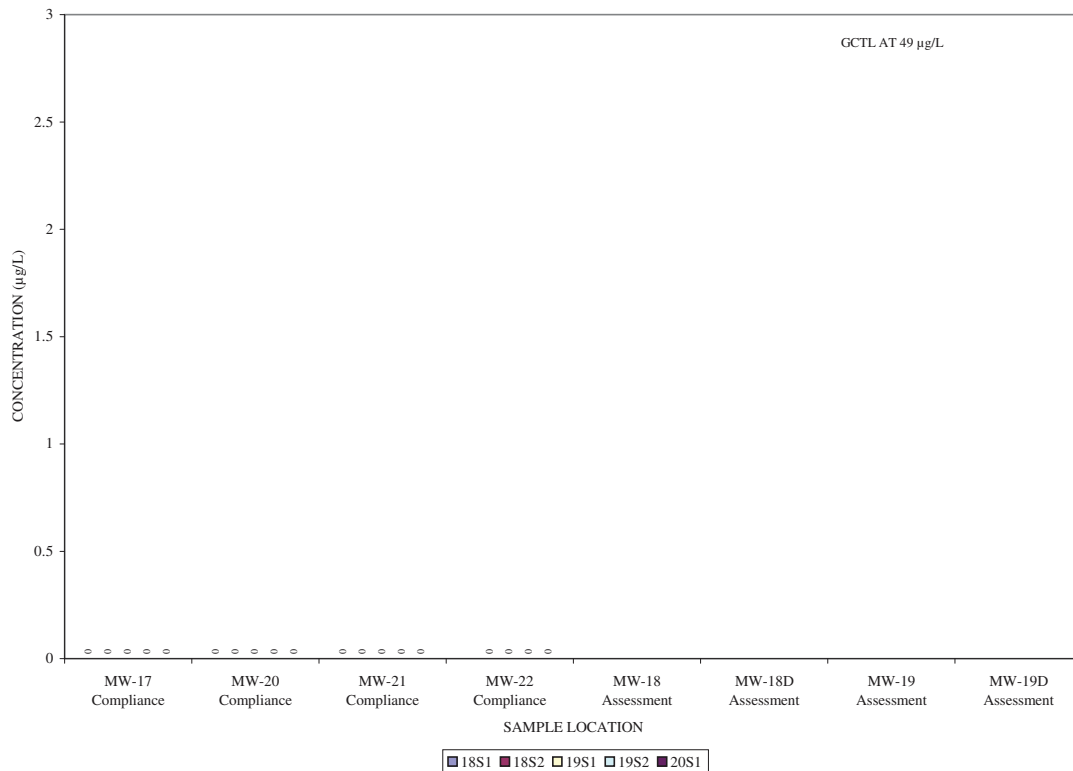
**THALLIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



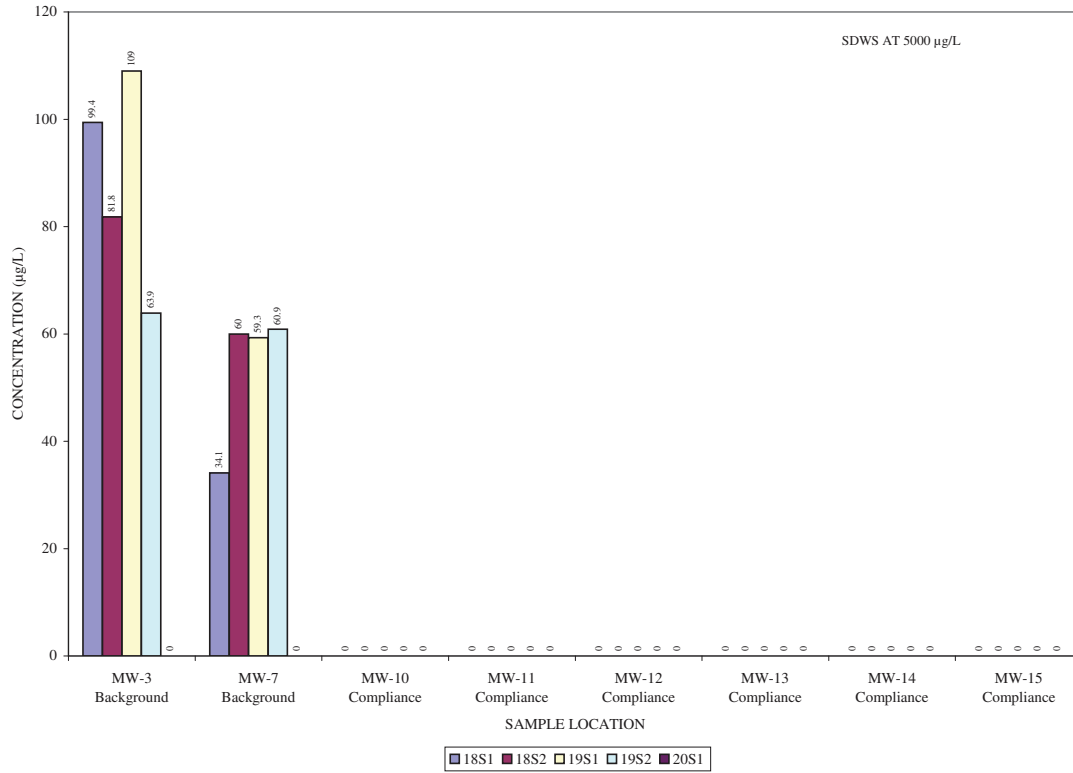
**VANADIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



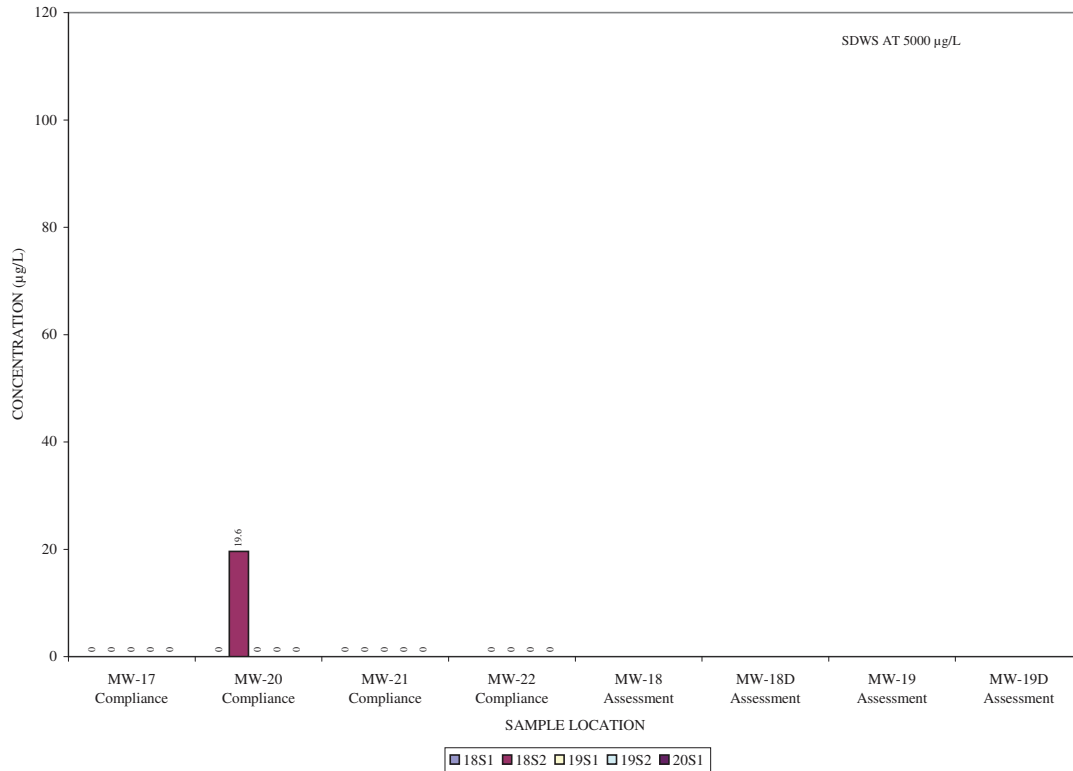
**VANADIUM**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



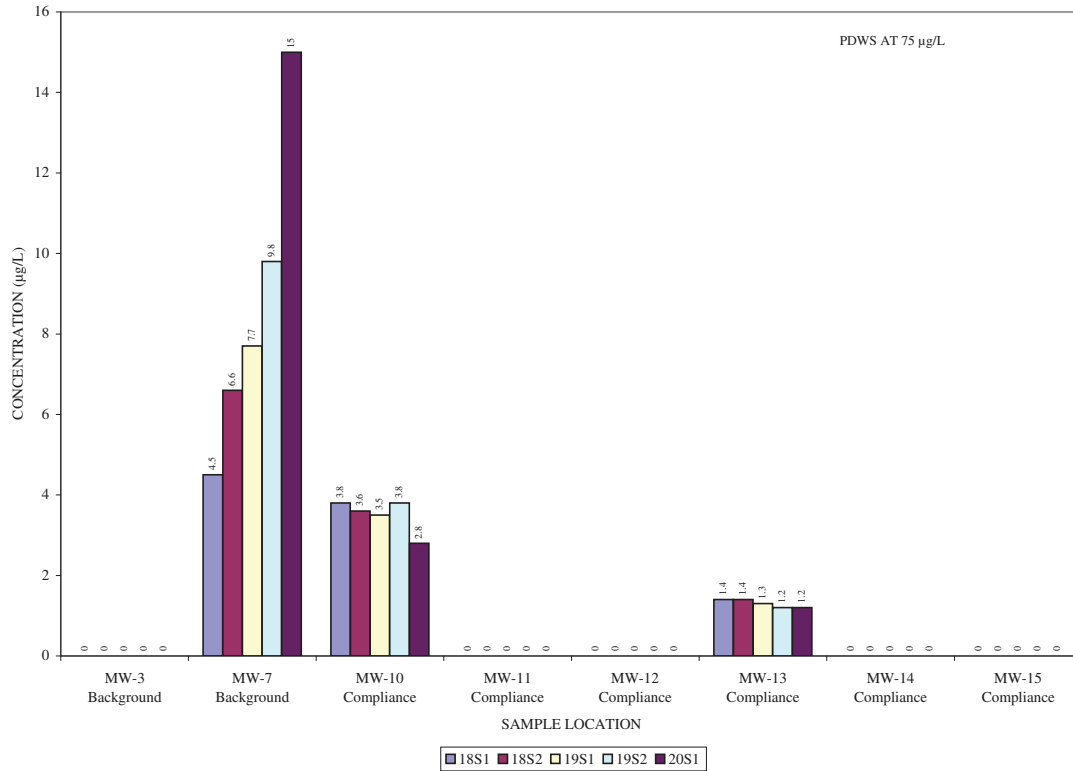
**ZINC**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



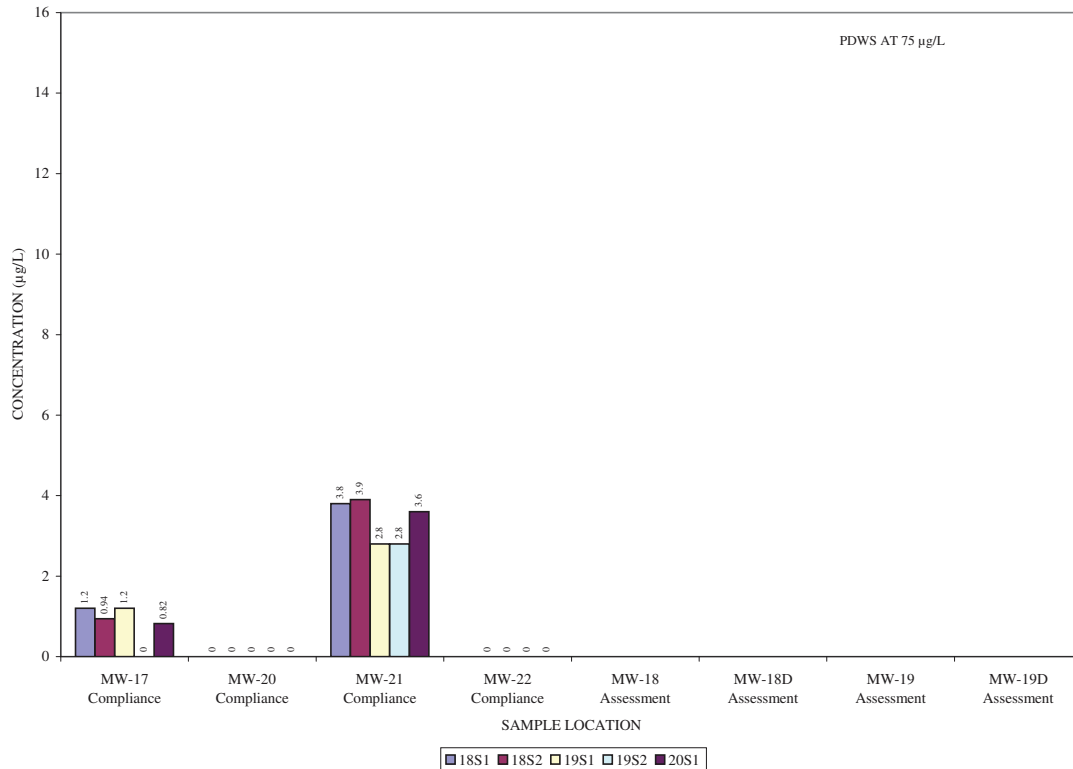
**ZINC**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



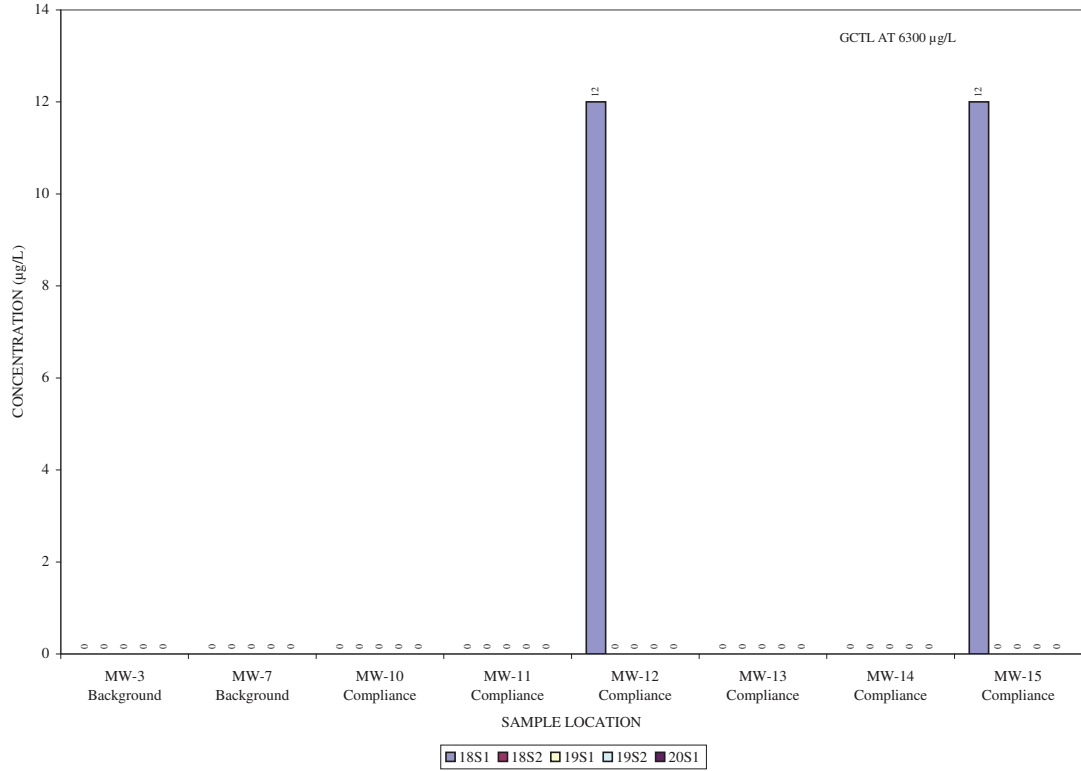
**1,4-DICHLOROBENZENE**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



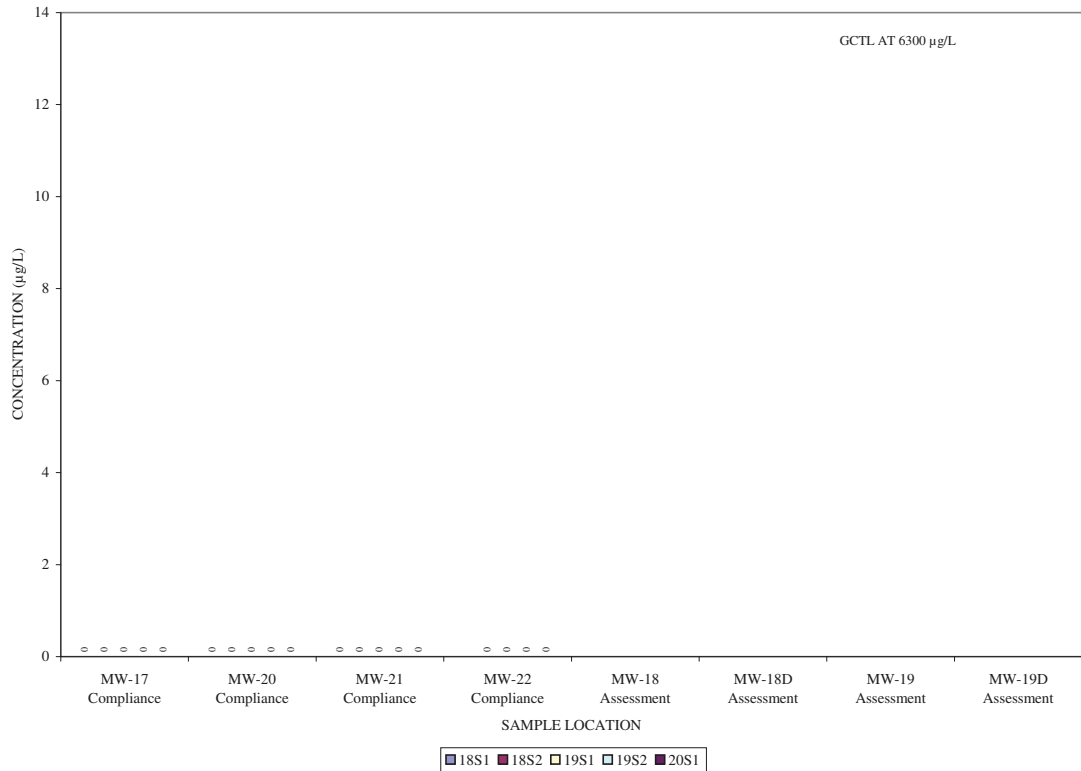
**1,4-DICHLOROBENZENE**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



**ACETONE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

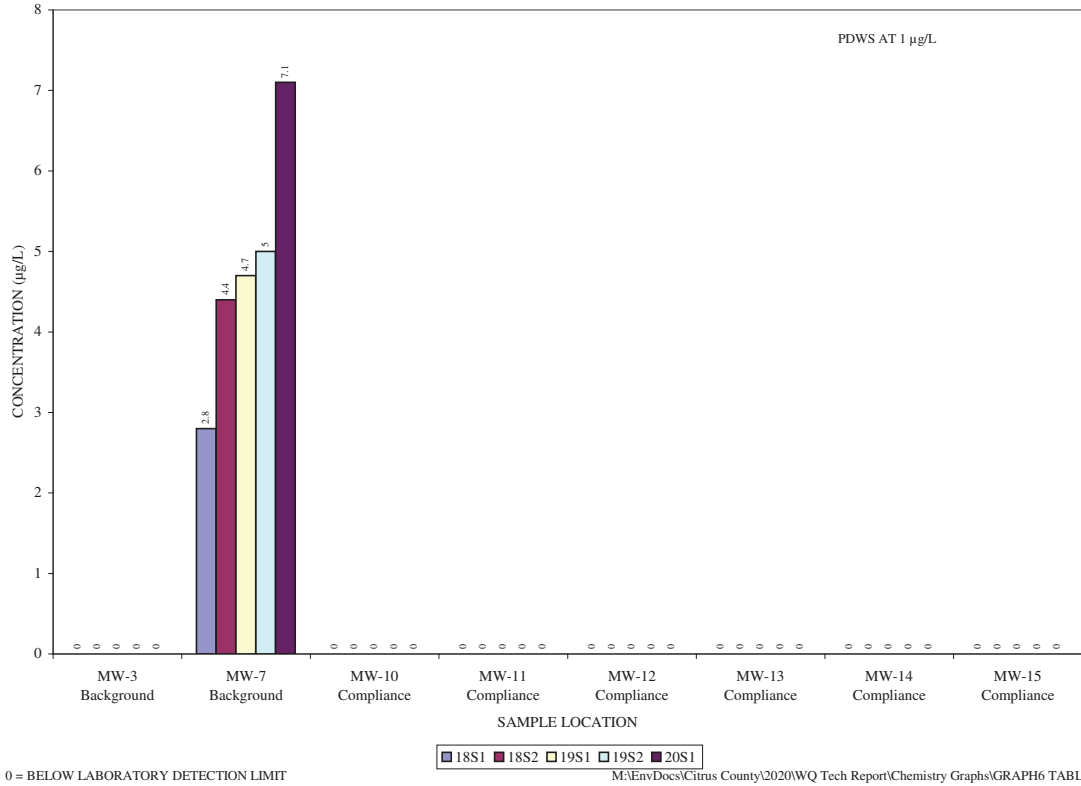


**ACETONE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

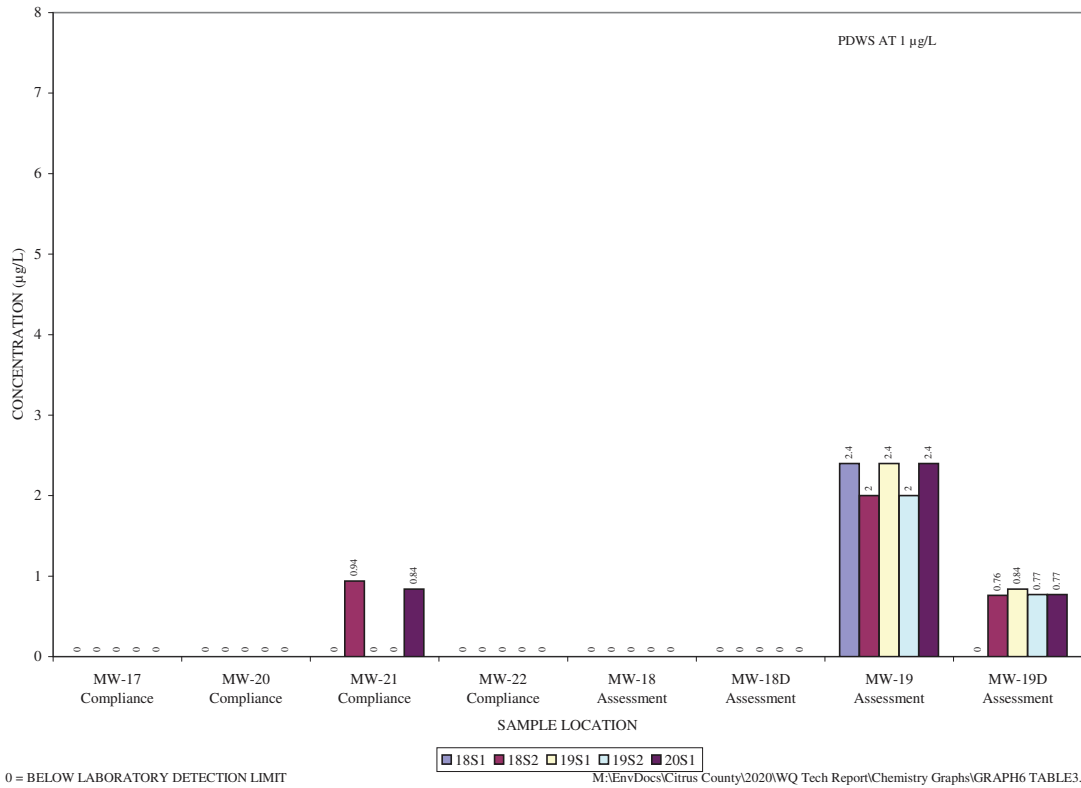


0 = BELOW LABORATORY DETECTION LIMIT

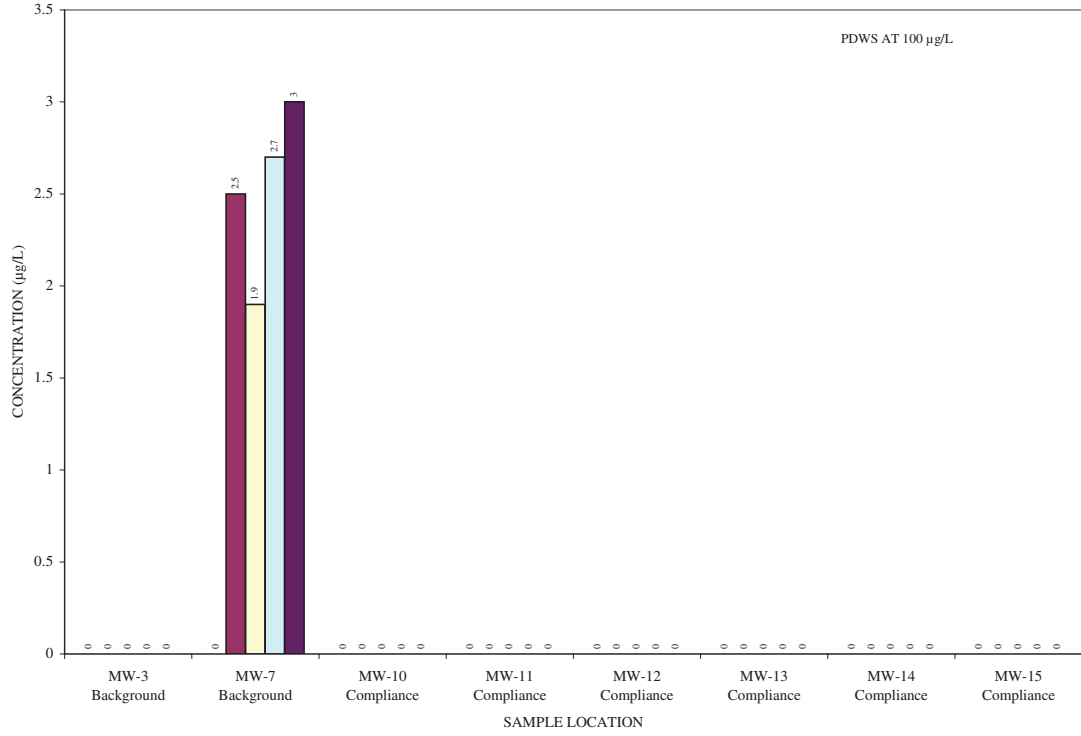
**BENZENE**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH



**BENZENE**  
CITRUS COUNTY CENTRAL LANDFILL  
GROUNDWATER CHEMISTRY GRAPH

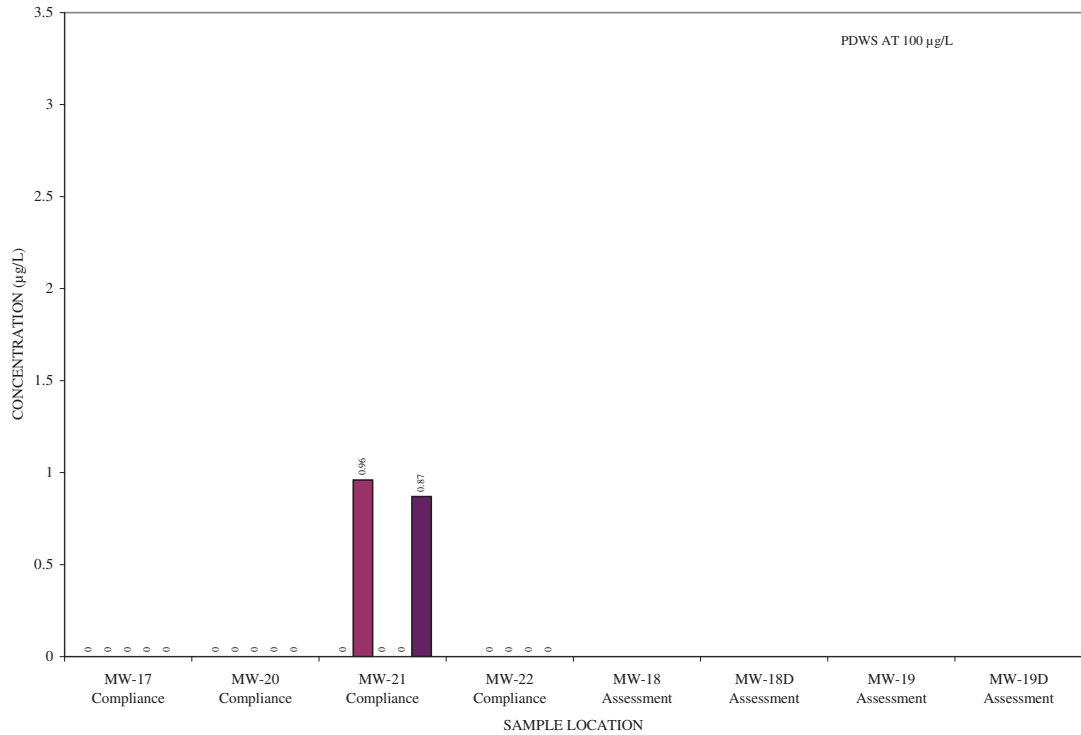


**CHLORO BENZENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:CB

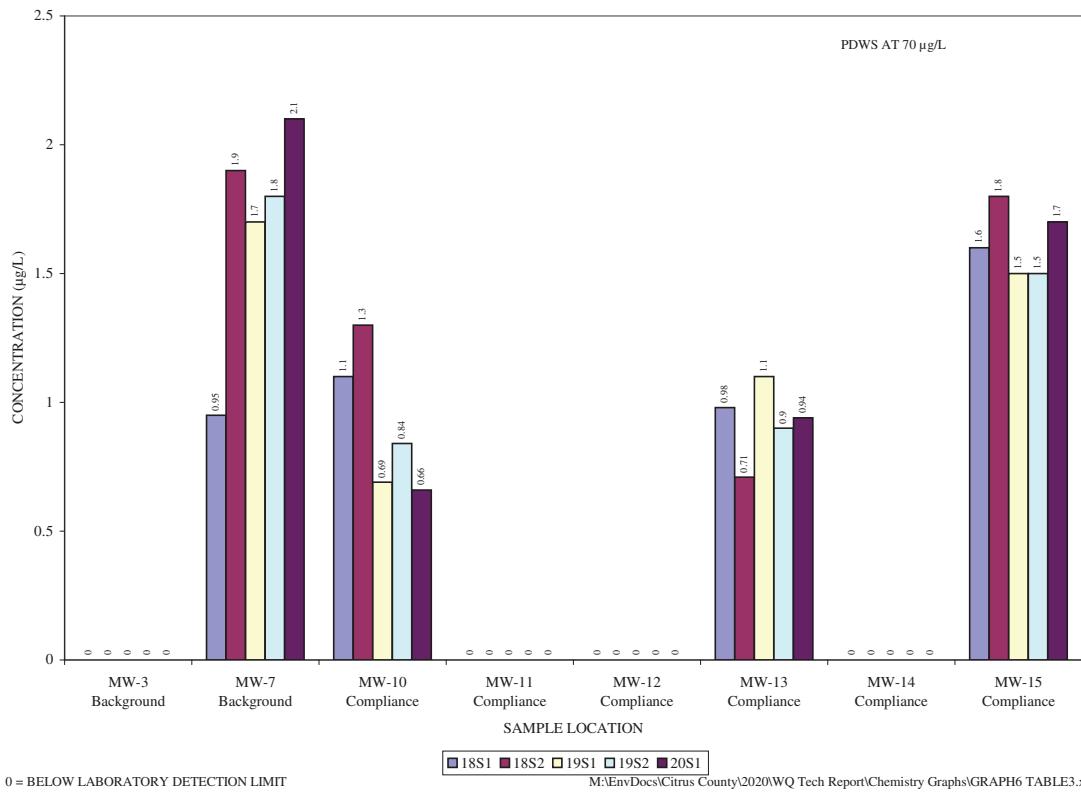
**CHLORO BENZENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



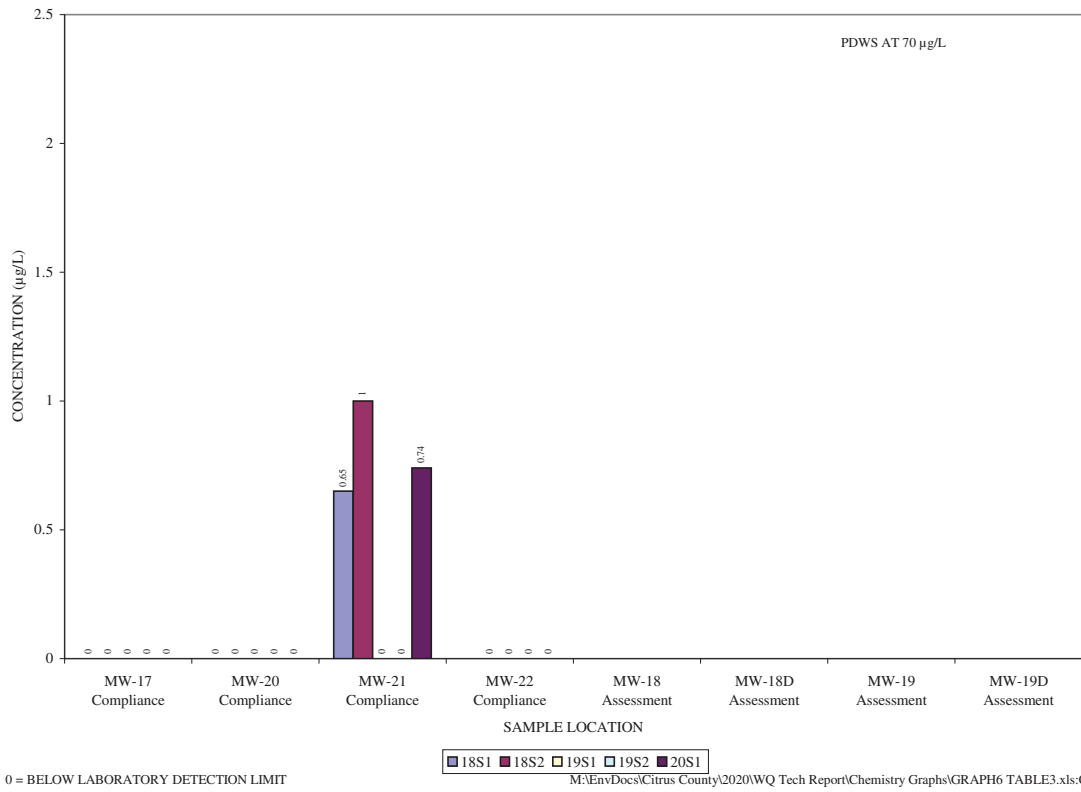
M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:CB (2)



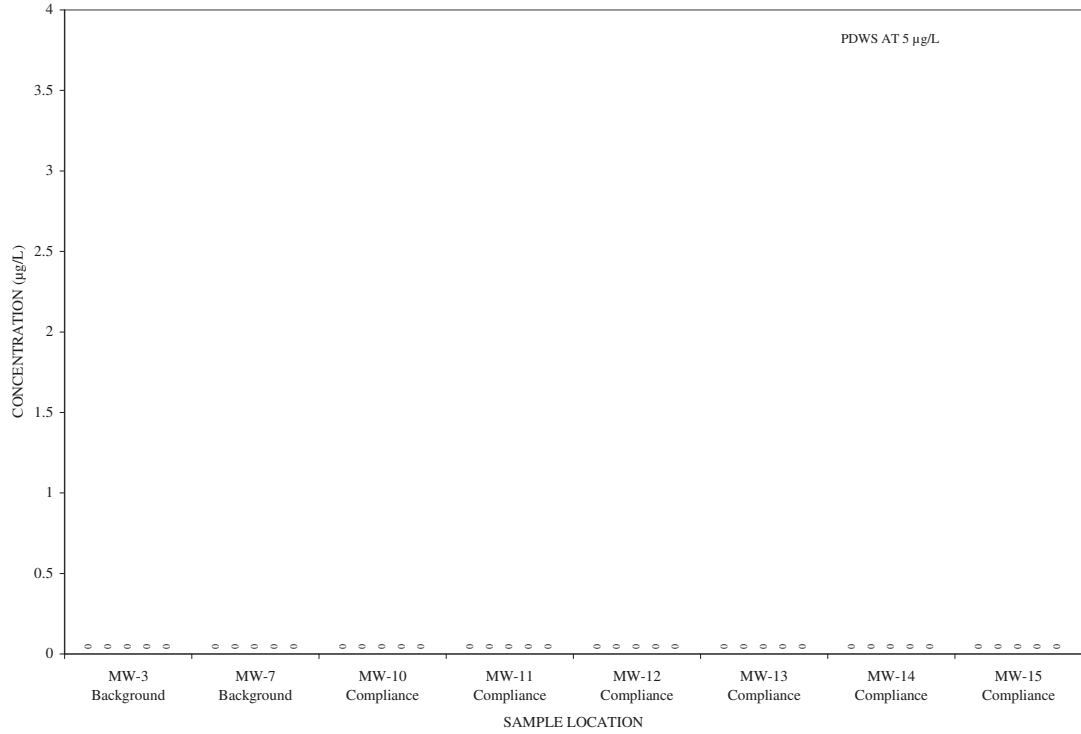
**CIS-1,2-DICHLOROETHENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



**CIS-1,2-DICHLOROETHENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

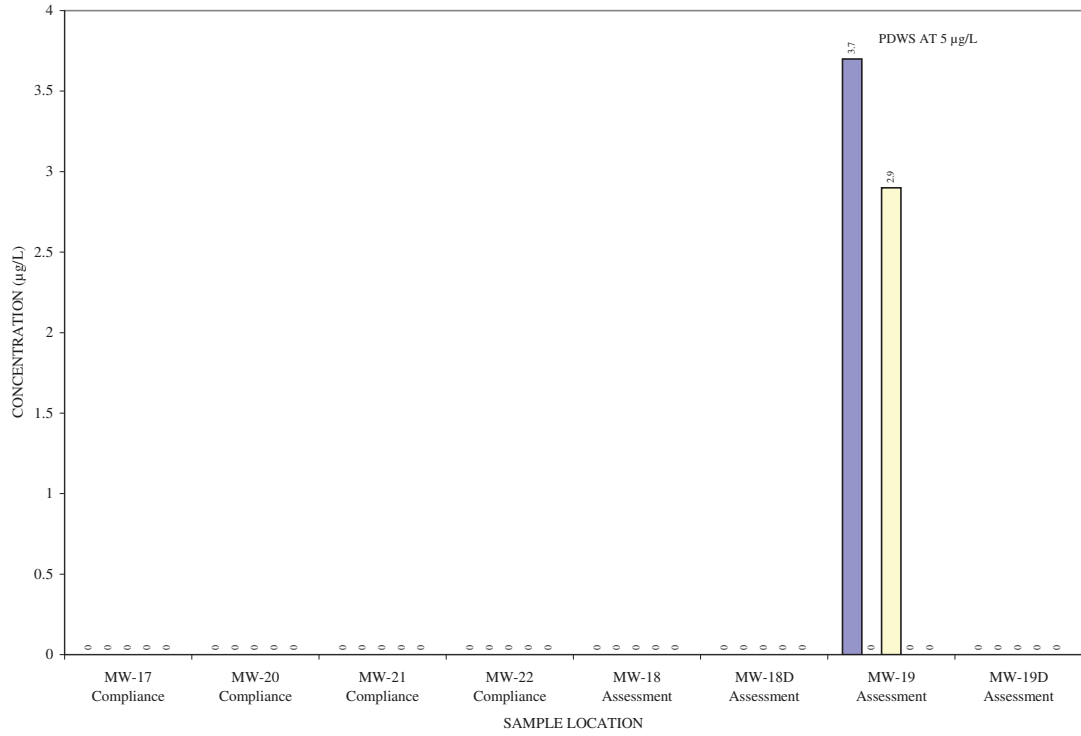


**DICHLOROMETHANE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



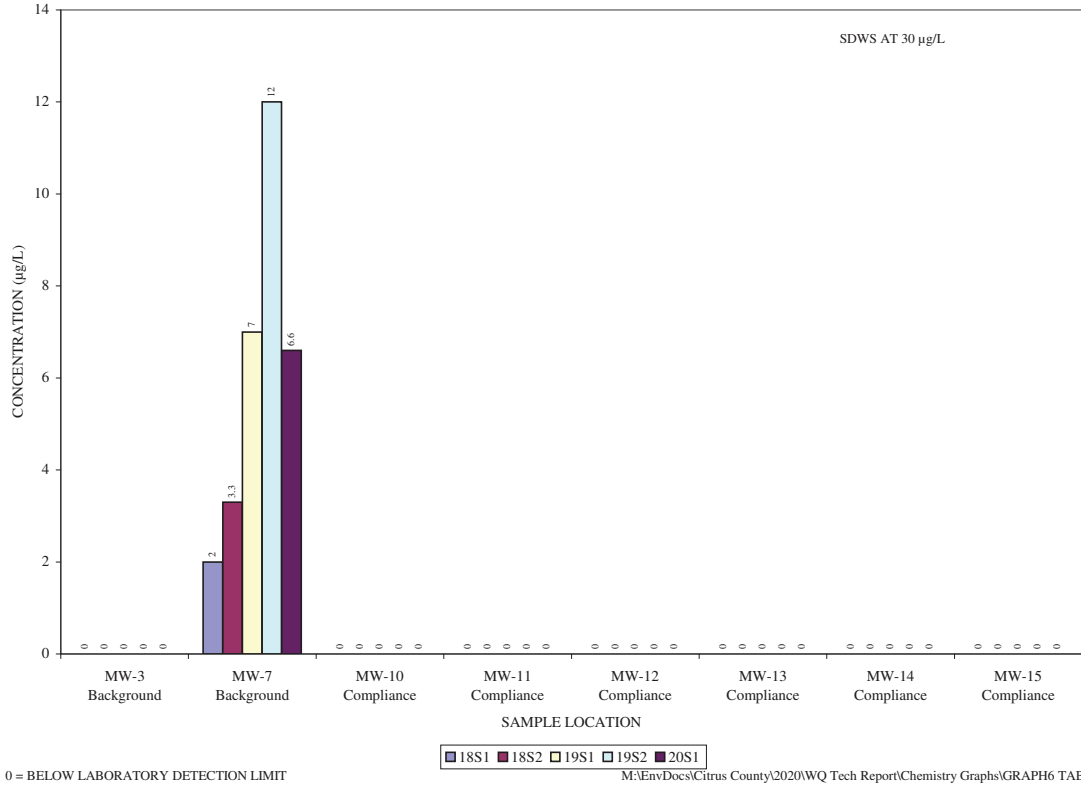
M:\EnvDocs\Citrus County\2020WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:MC

**DICHLOROMETHANE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

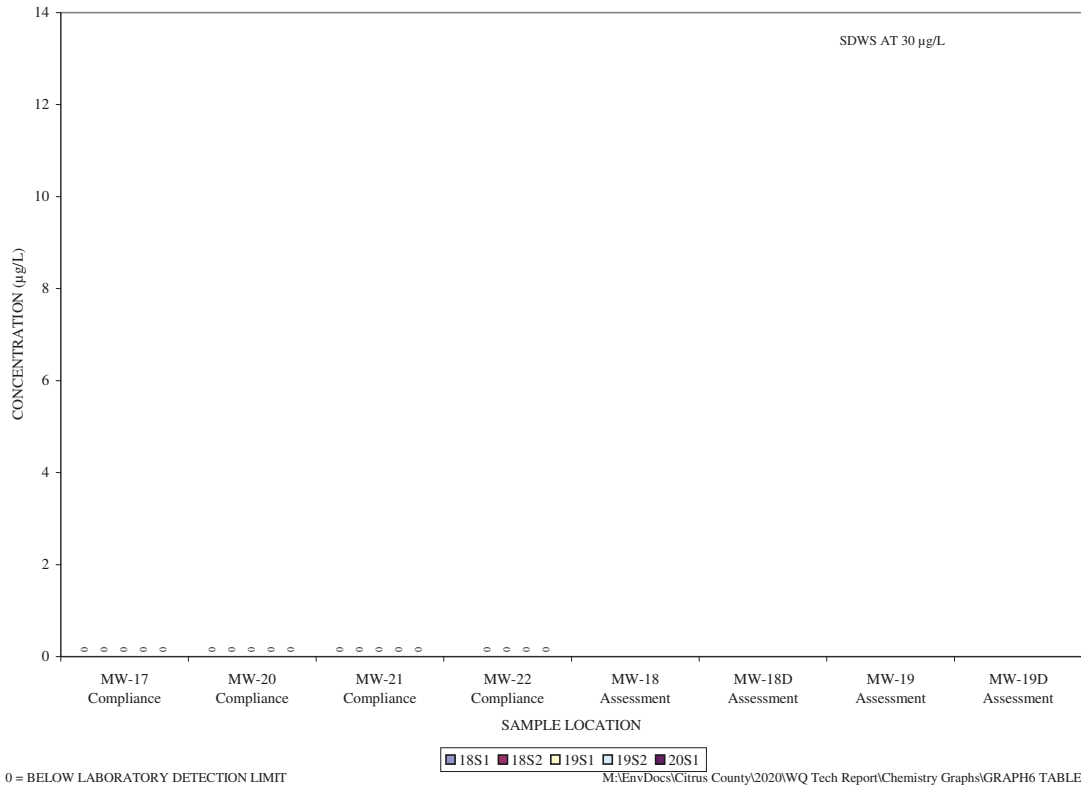


M:\EnvDocs\Citrus County\2020WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:MC (2)

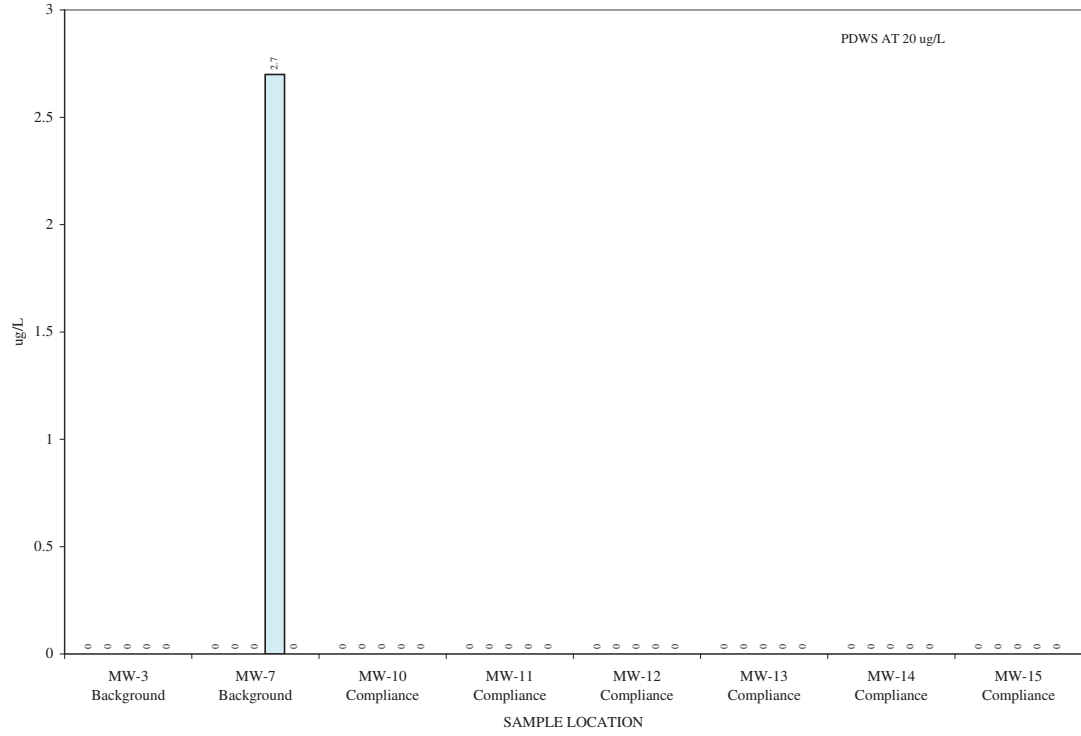
**ETHYLBENZENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



**ETHYLBENZENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



**M&P- XYLENES**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



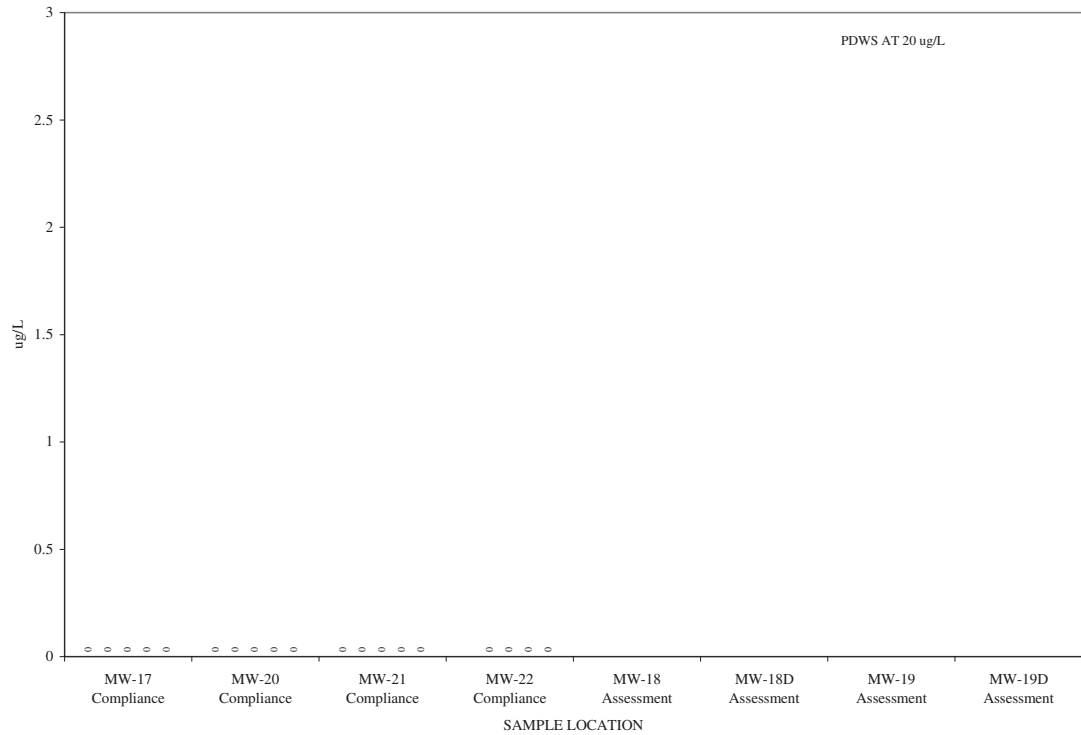
0 = BELOW LABORATORY DETECTION LIMIT

■ 18S1 ■ 18S2 □ 19S1 □ 19S2 ■ 20S1

M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:MP\_XYL

PDWS AT 20 ug/L

**M&P- XYLENES**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



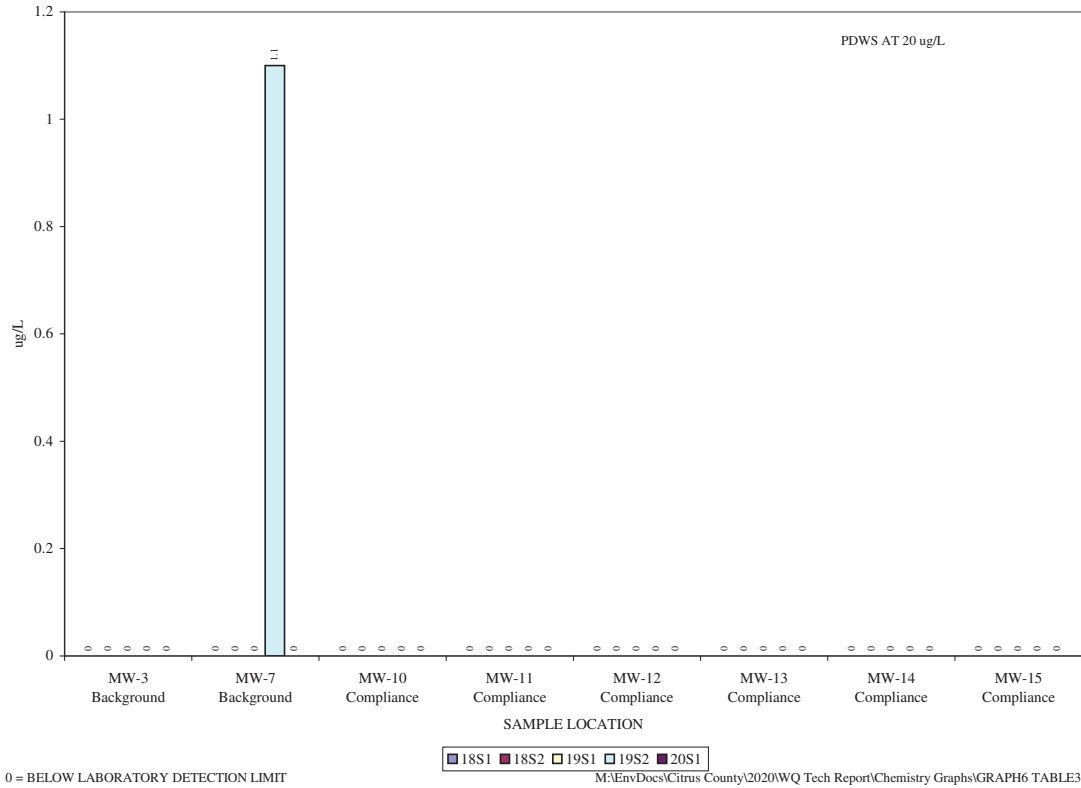
0 = BELOW LABORATORY DETECTION LIMIT

■ 18S1 ■ 18S2 □ 19S1 □ 19S2 ■ 20S1

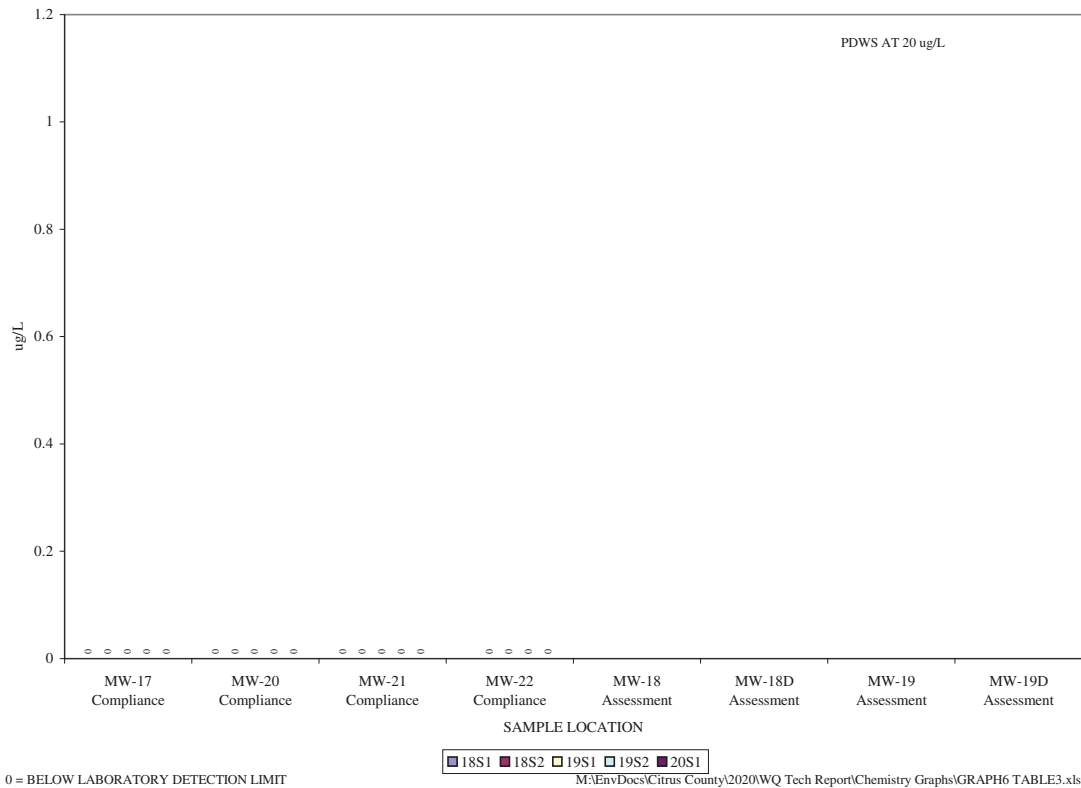
M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:MP\_XYL (2)

PDWS AT 20 ug/L

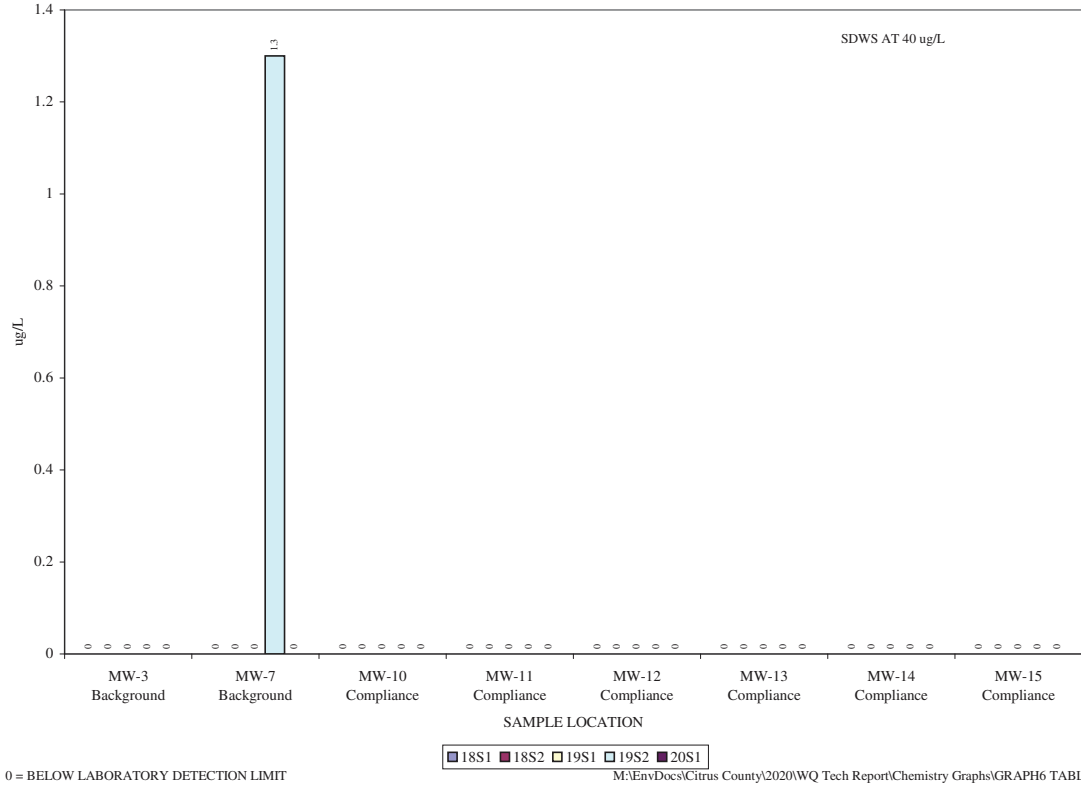
**O-XYLENES**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



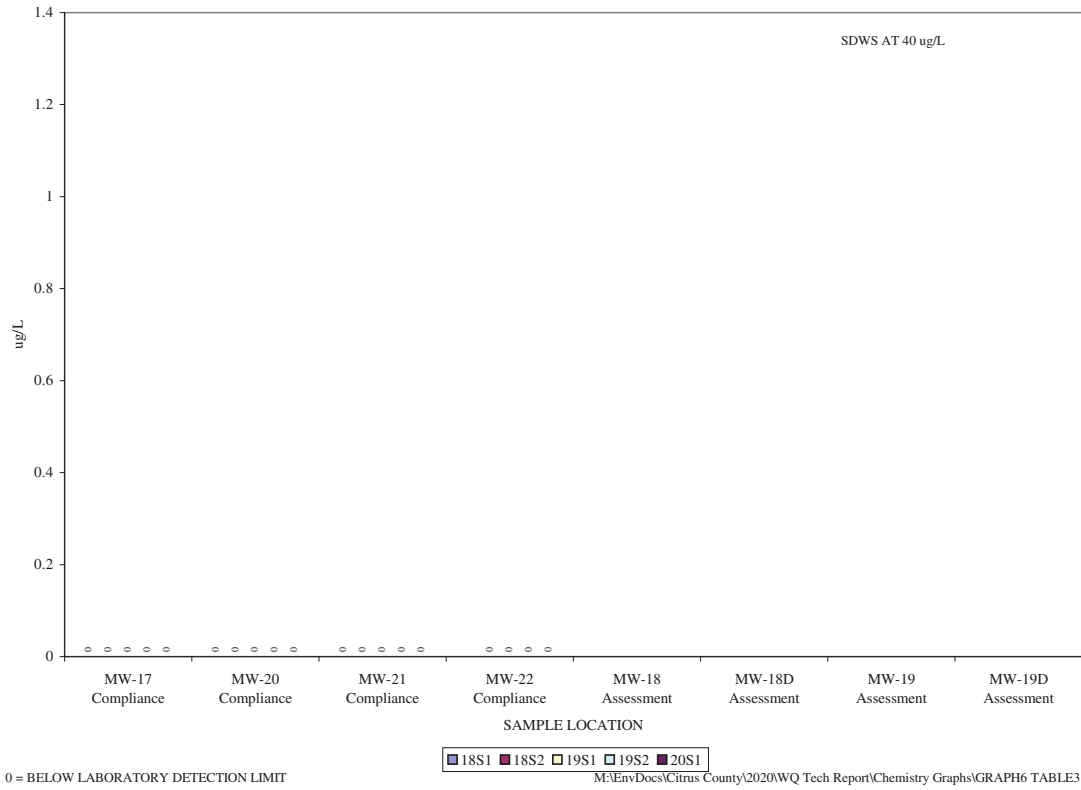
**O-XYLENES**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



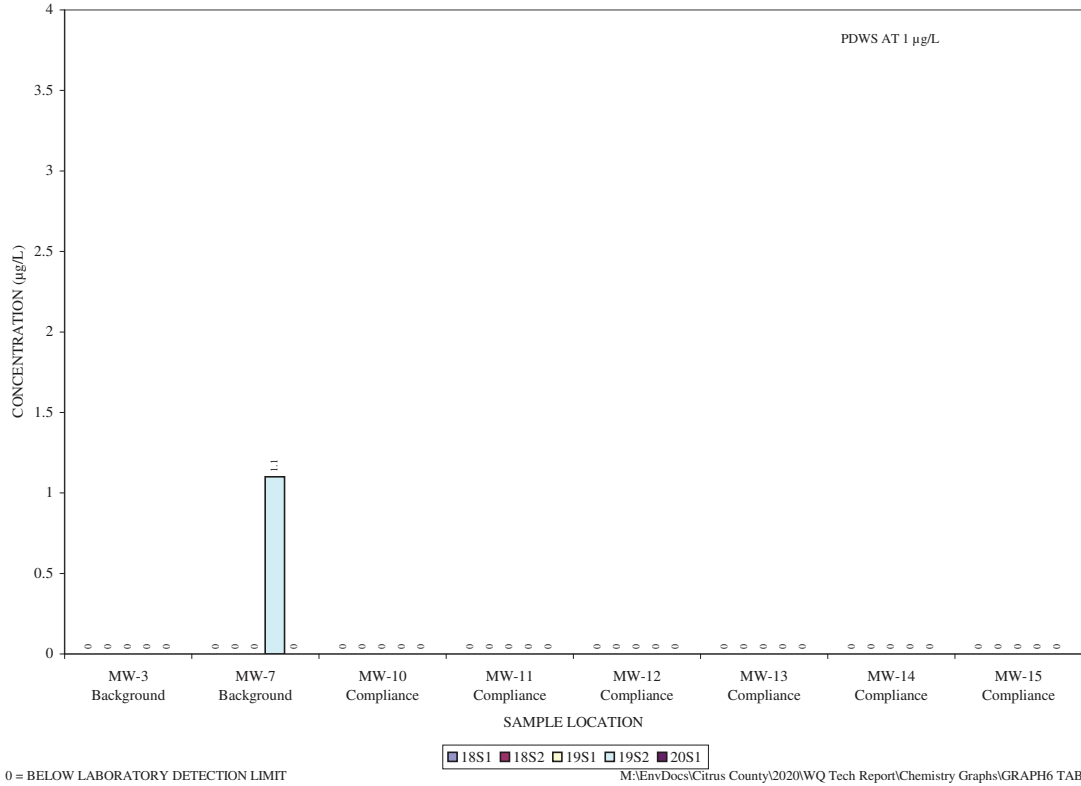
**TOLUENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



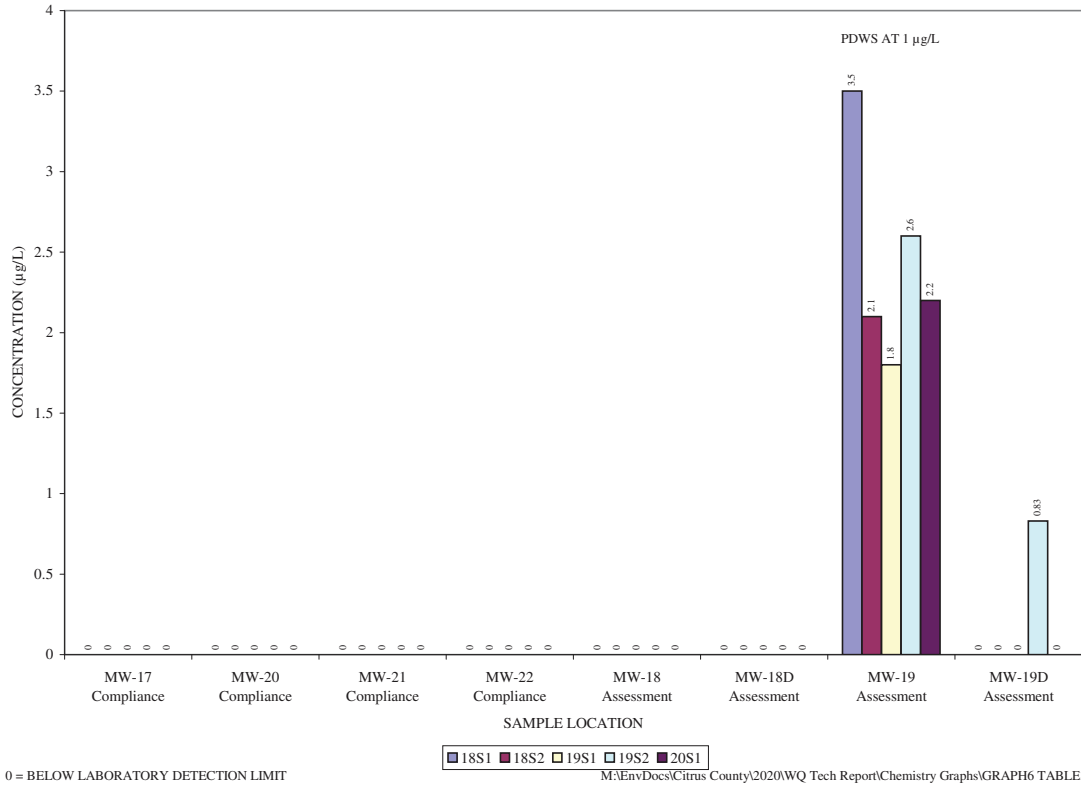
**TOLUENE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



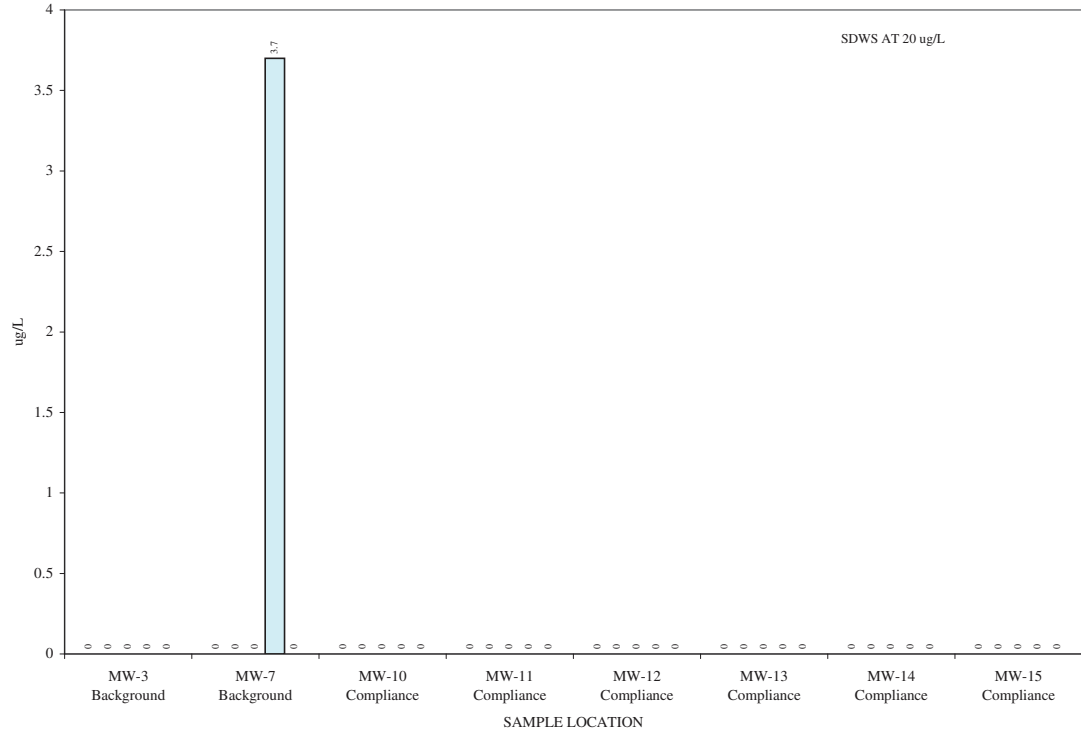
**VINYL CHLORIDE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



**VINYL CHLORIDE**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



**XYLENES**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**

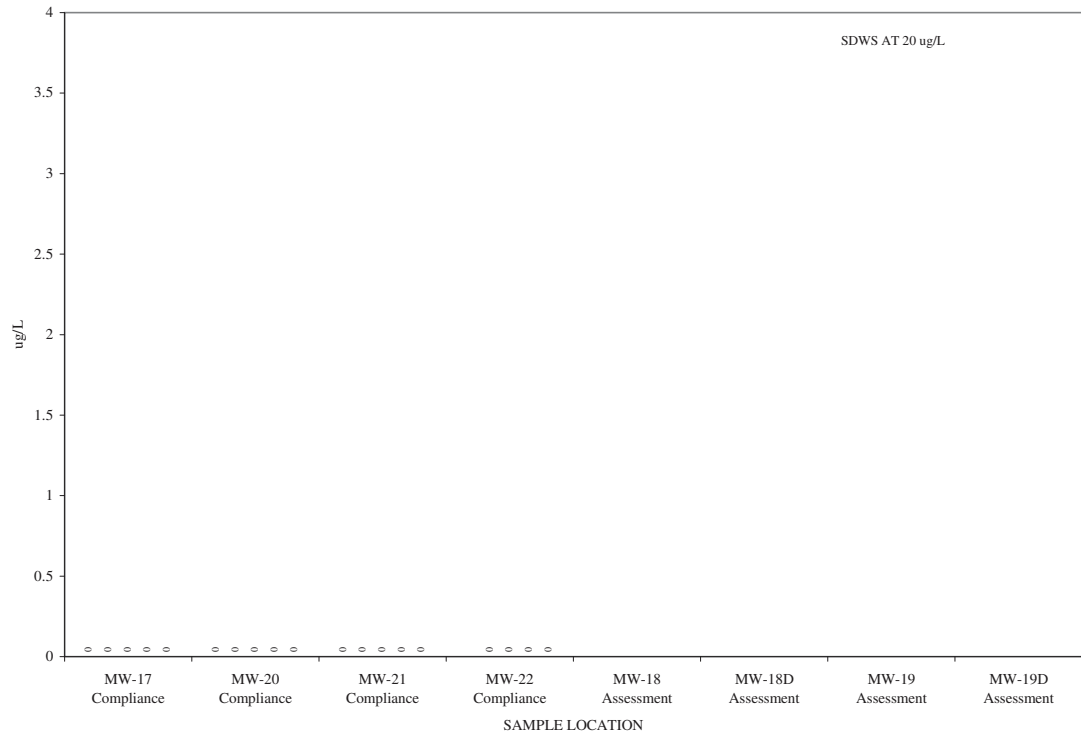


0 = BELOW LABORATORY DETECTION LIMIT

■ 18S1 ■ 18S2 □ 19S1 □ 19S2 ■ 20S1

M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:XY

**XYLENES**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**GROUNDWATER CHEMISTRY GRAPH**



0 = BELOW LABORATORY DETECTION LIMIT

■ 18S1 ■ 18S2 □ 19S1 □ 19S2 ■ 20S1

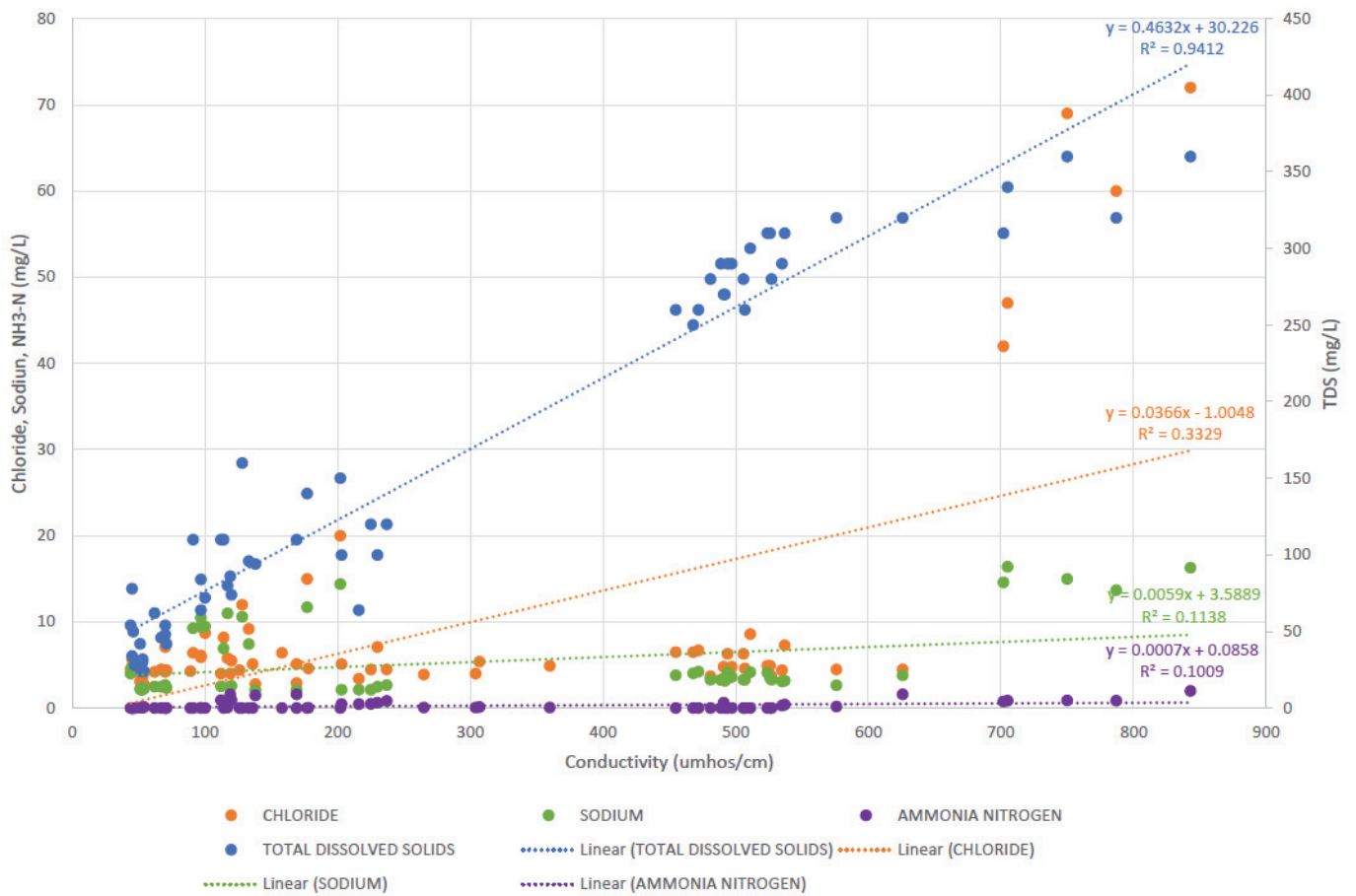
M:\EnvDocs\Citrus County\2020\WQ Tech Report\Chemistry Graphs\GRAPH6 TABLE3.xls:XY (2)



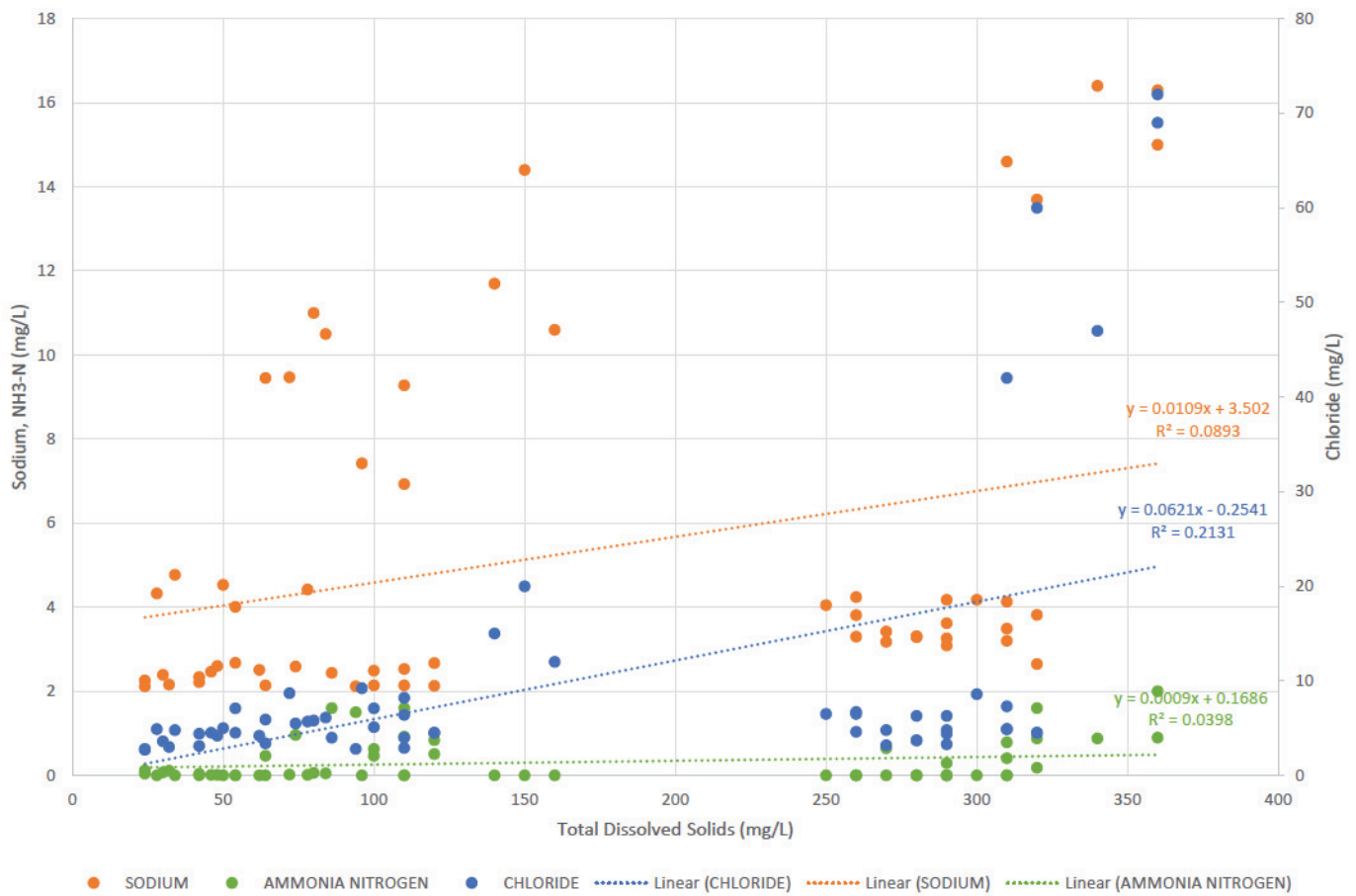
## **Attachment 9**

### **Scatterplots**

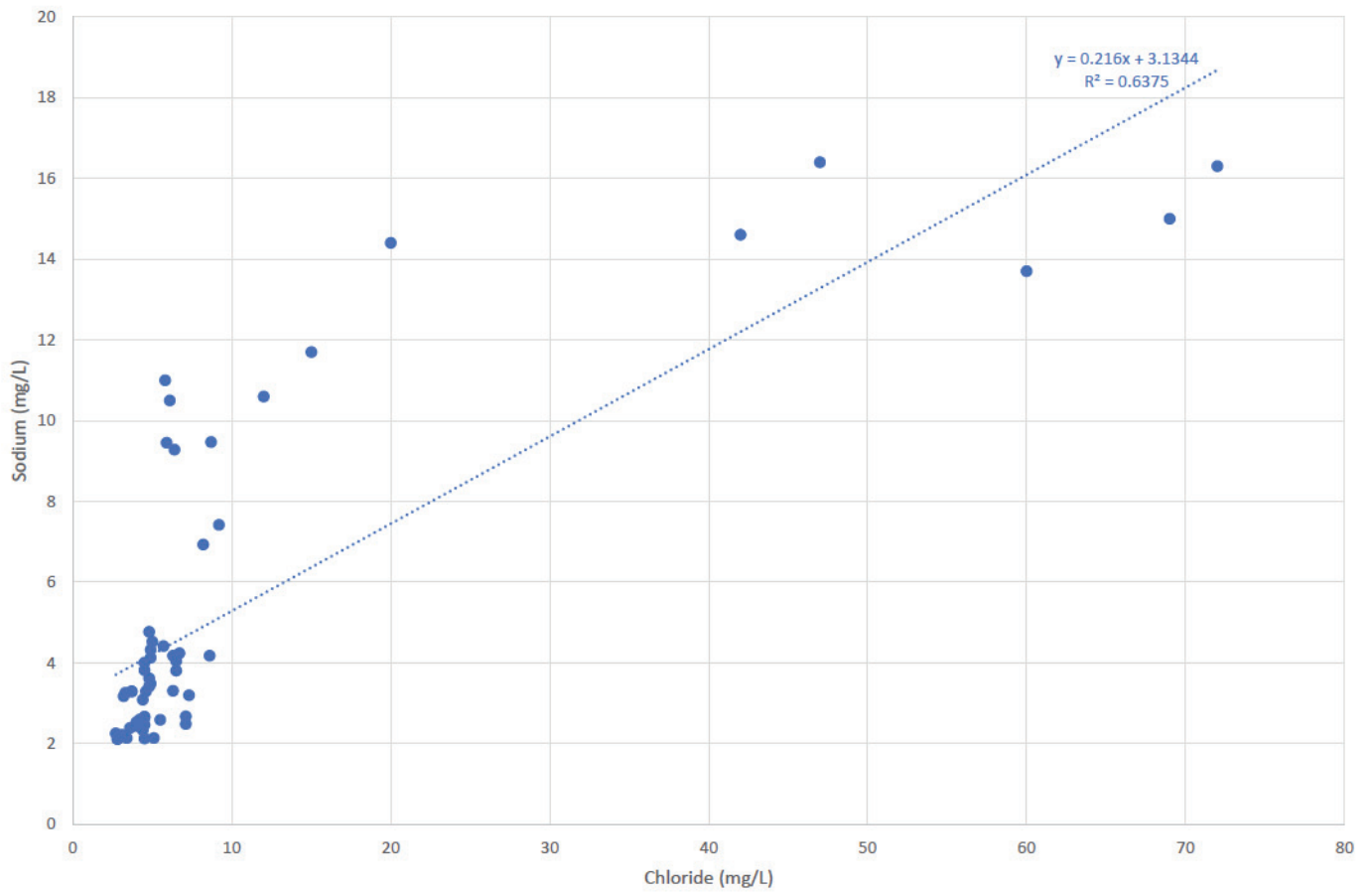
## CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - CONDUCTIVITY & SOLUBLE SALTS



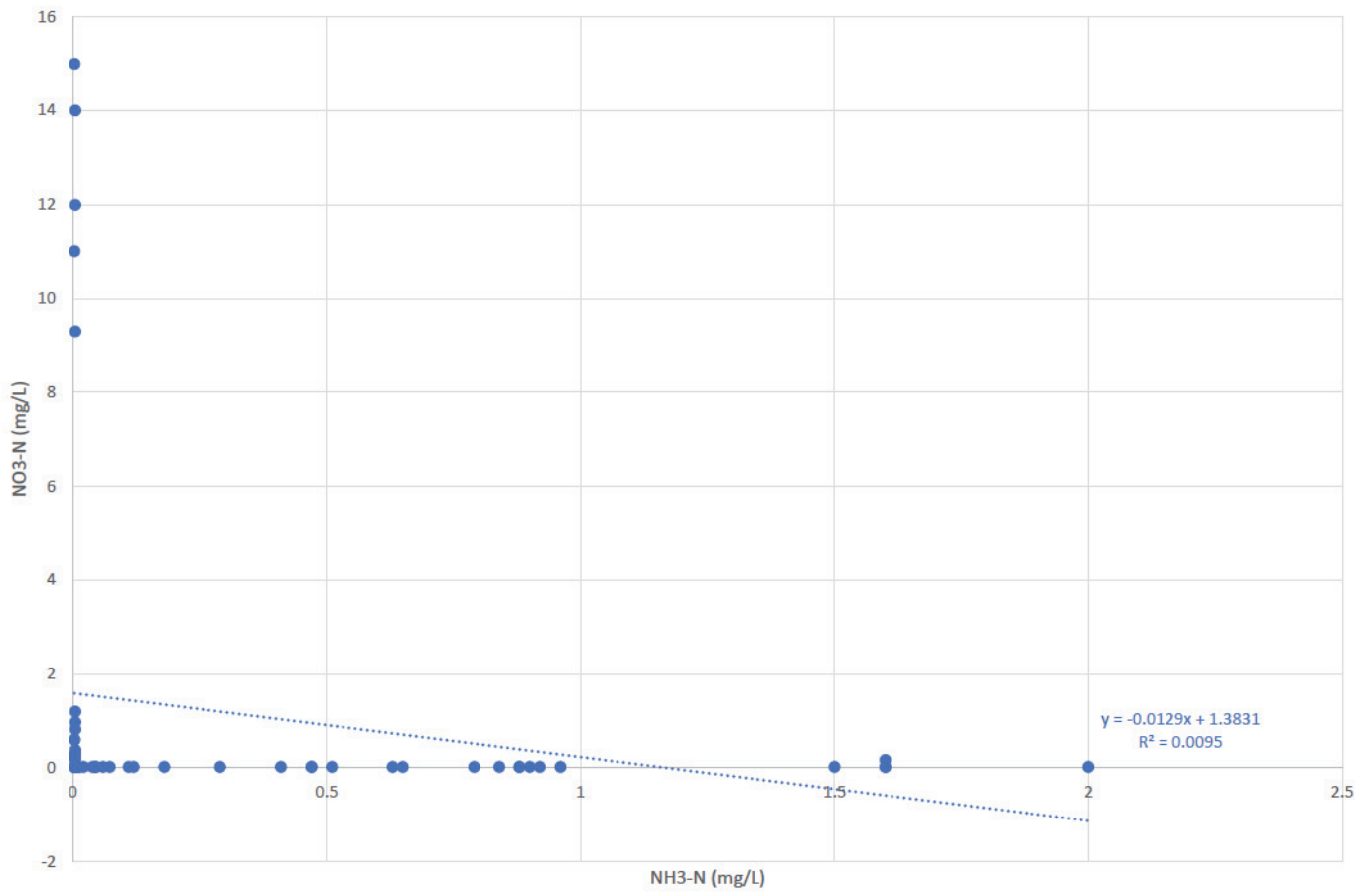
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - TDS & SOLUBLE SALTS



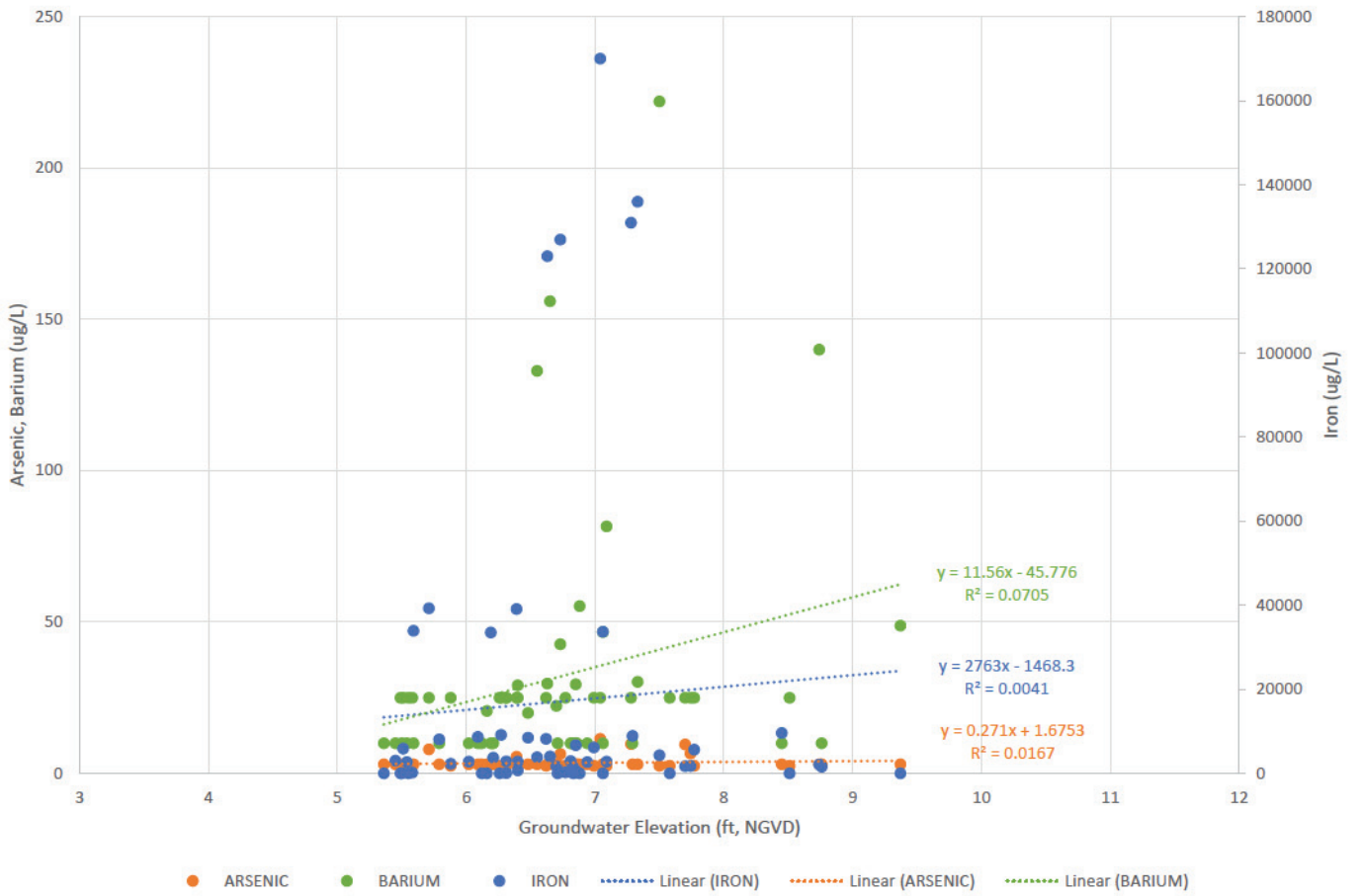
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - SODIUM & CHLORIDE



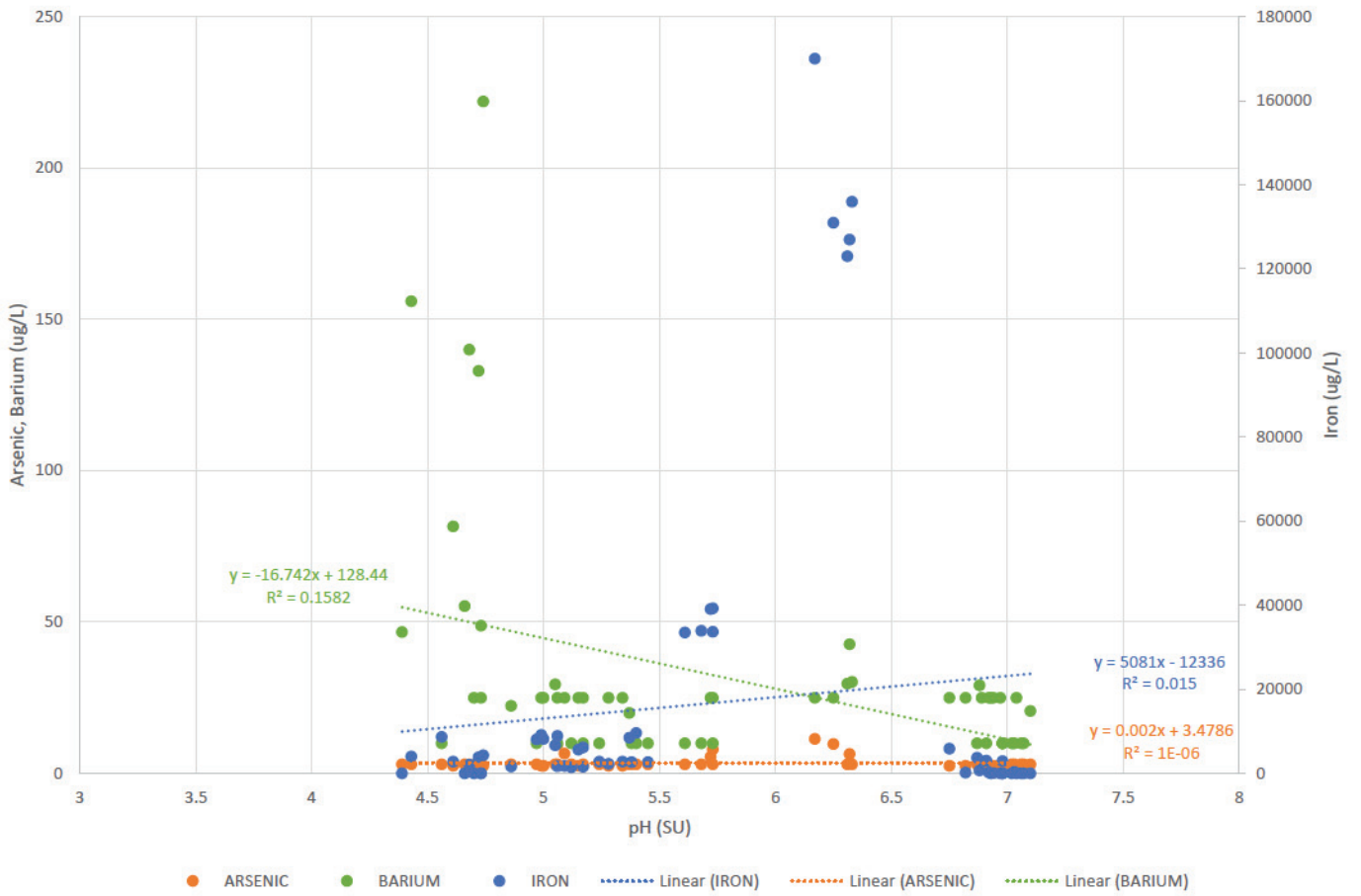
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - NITRATE & AMMONIA-NITROGEN



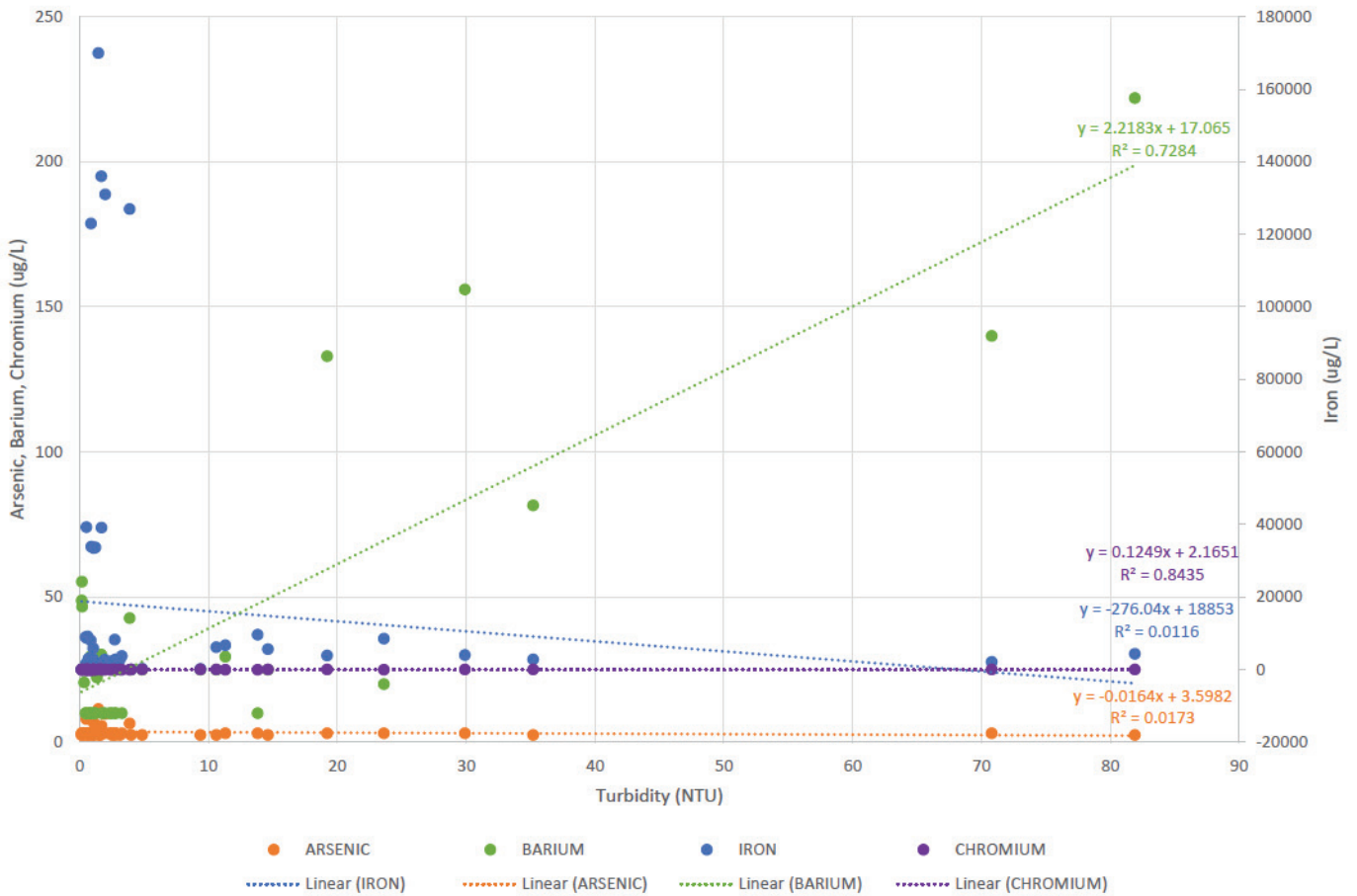
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - GWE & METALS



### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - pH & METALS

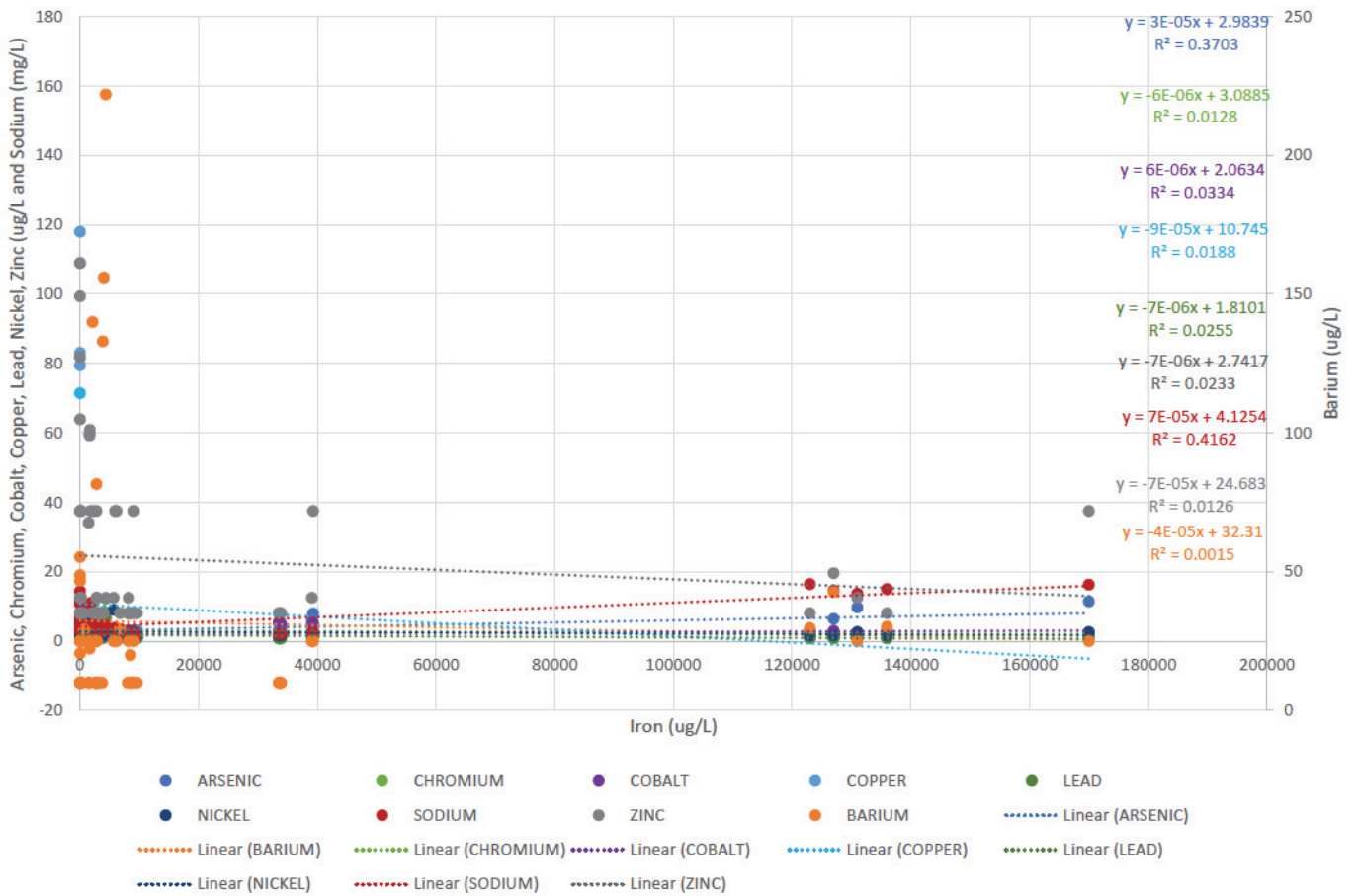


### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - TURBIDITY & METALS

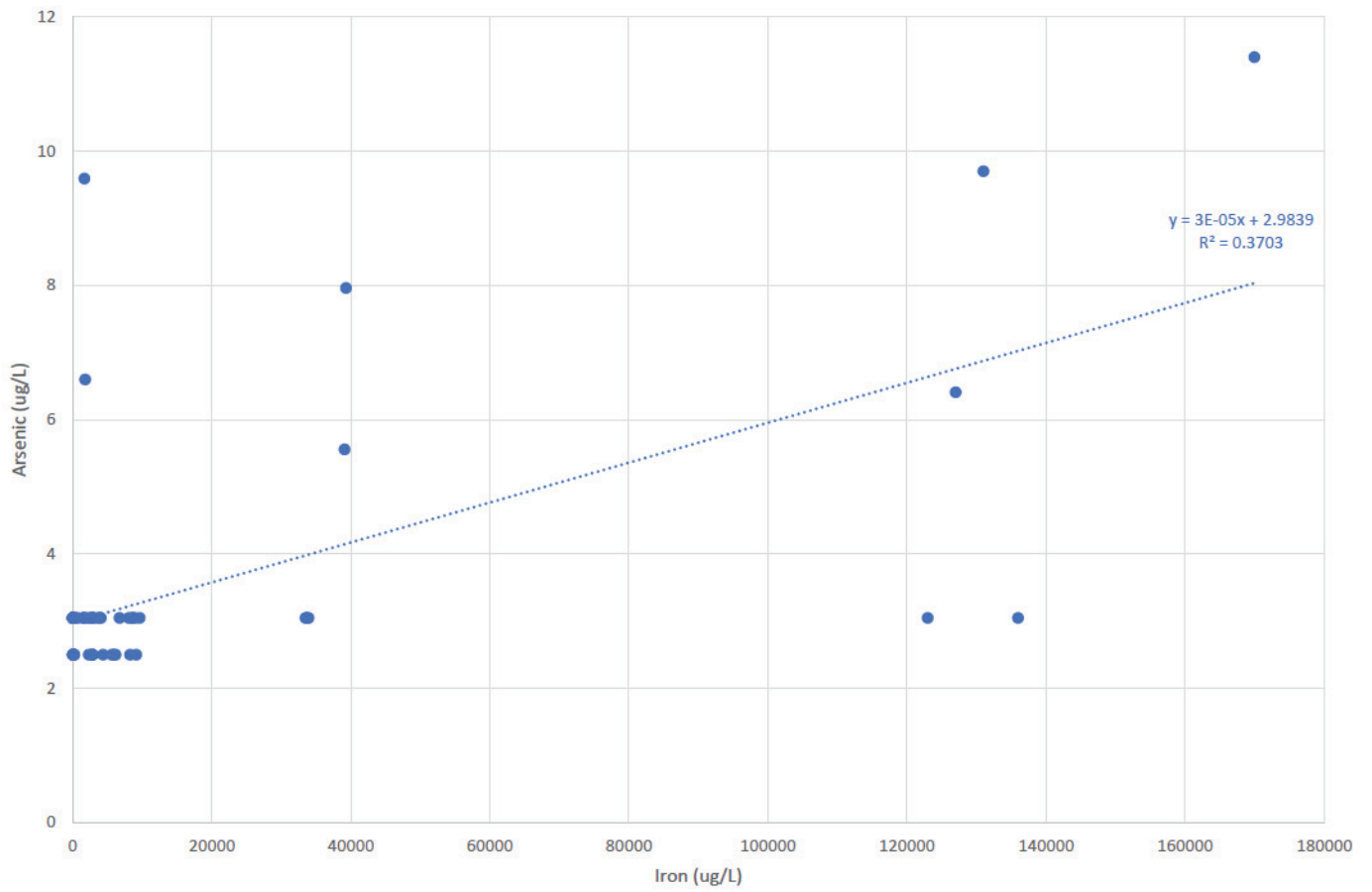




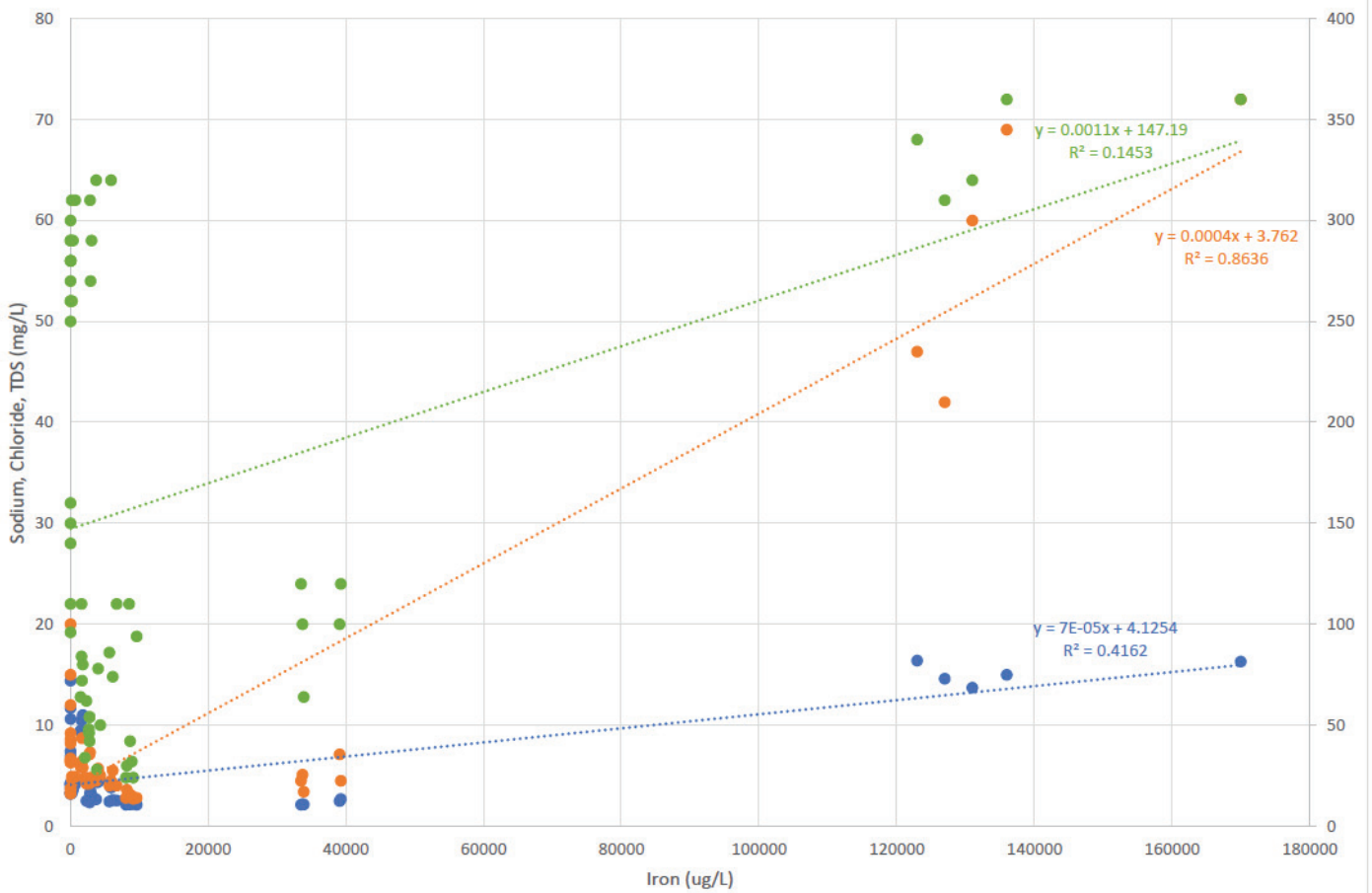
## CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - IRON & METALS



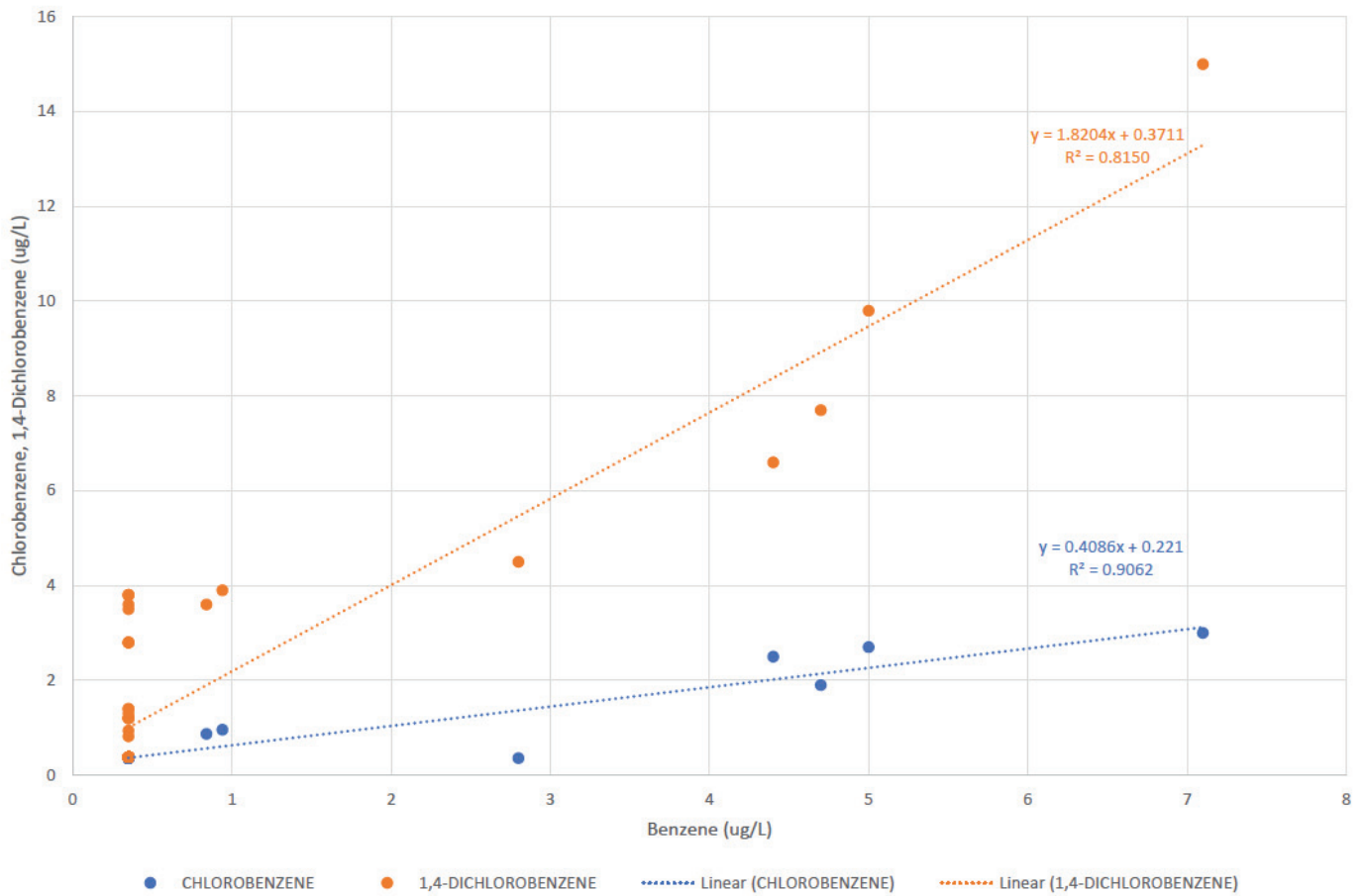
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - IRON & ARSENIC



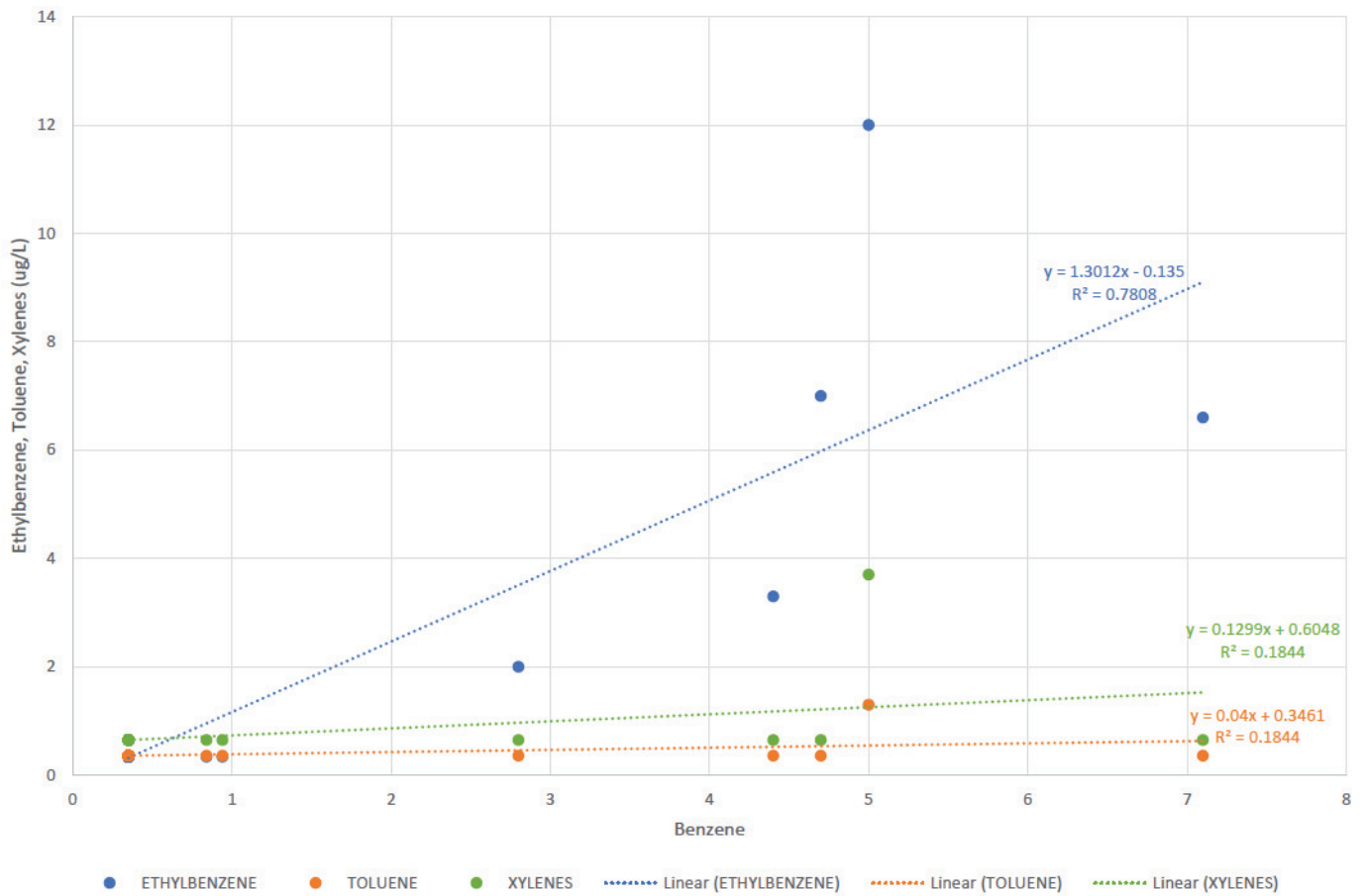
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - IRON & SOLUBLE SALTS



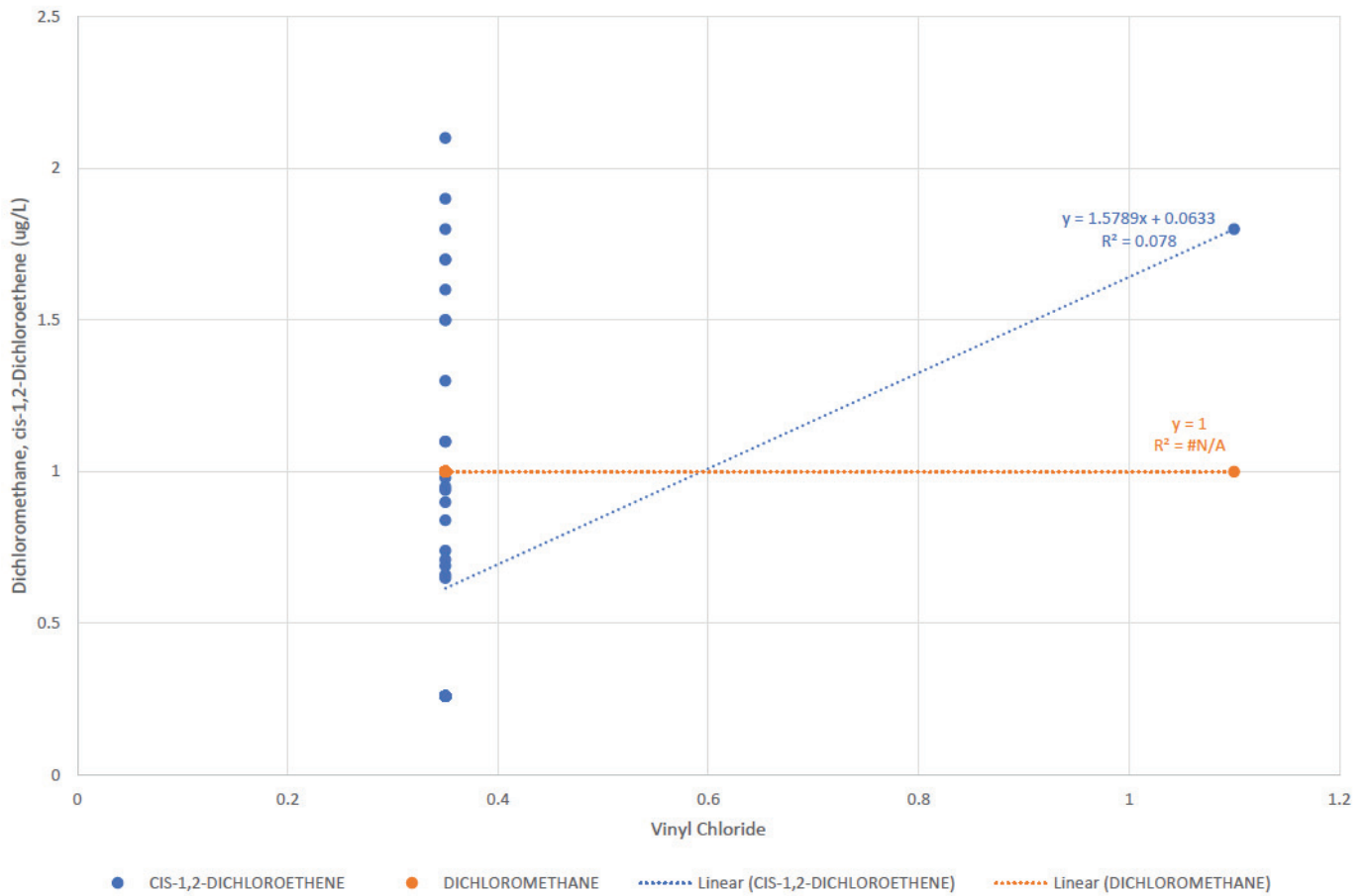
### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - BENZENE & RELATED PARAMETERS



### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - BTEX PARAMETERS



### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - VINYL CHLORIDE & RELATED PARAMETERS



### CITRUS COUNTY CENTRAL LANDFILL RELATED PARAMETERS - BENZENE & VINYL CHLORIDE

