

## Johnson, Sabrina O

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**From:** Tim Cully <TCULLY@jonesedmunds.com>  
**Sent:** Tuesday, October 8, 2019 9:24 AM  
**To:** Tafuni, Steven; 'scottborderieux@floridadep.gov'; SWD\_Waste  
**Cc:** Troy Hays; Elizabeth Kennelley; Patrick Kardish  
**Subject:** Citrus County Central Landfill - WACS ID No 39859 - Second Semiannual 2019 GWMR  
**Attachments:** 2019.10.07\_RPT\_Citrus Central\_WACS 39859\_19S2 GWMR.pdf

**Importance:** High

Dear Mr. Tafuni,  
Attached is the Citrus County Central Landfill – WACS ID No. 39859 – Second Semiannual 2019 Groundwater Monitoring Report. The associated ADaPT files are linked in the e-mail below. The GWMR and associated ADaPT files were submitted to the FDEP Business Portal on October 7, 2019.

Please let me know if you have any questions or need any additional information.

Thank you,

**Timothy G. Cully, PG**

Department Manager / Vice President

p. 352.377.5821 x. 1394 | c. 352.328.9786

[JONESEDMUNDS.COM](http://JONESEDMUNDS.COM)

730 NE Waldo Road, Gainesville, FL, 32641

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**From:** no-reply@dep.state.fl.us <no-reply@dep.state.fl.us>

**Sent:** Monday, October 07, 2019 3:15 PM

**To:** Tim Cully <TCULLY@jonesedmunds.com>

**Subject:** EDD Submission Document Links

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



## FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

**Ron DeSantis**  
Governor  
**Jeanette Nuñez**  
Lt. Governor  
**Noah Valenstein**  
Secretary

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**Electronic Data Deliverable Document Links**

October 07, 2019

The following documents submitted on October 07, 2019 for CITRUS CENTRAL SLF (Facility ID: 39859) have been inserted in OCULUS. Please utilize the links below to access these documents.

**File Information**

Date in File Name : 07/23/2019

Monitoring Report File : 39859\_20190723\_SWGWMR.pdf

EDD Upload File : 39859\_20190723\_SWZDD.zip

**EDD File Link :**

[https://depedms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&\[guid=8.303877.1\]](https://depedms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&[guid=8.303877.1])

**Monitoring Report File Link :**

[https://depedms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&\[guid=8.303878.1\]](https://depedms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&[guid=8.303878.1])

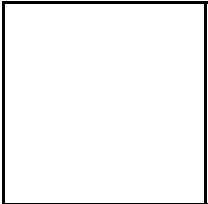
**Facility Information**

ID : 39859

Facility Name : CITRUS CENTRAL SLF

Facility Address : 230 W GULF TO LAKE HWY, LECANTO, FL 34461

If you have any questions concerning your submission, please contact the ADaPT Coordinator at [AdaPT.EDDs.and.Reports@dep.state.fl.us](mailto:AdaPT.EDDs.and.Reports@dep.state.fl.us) or [CLICK HERE for phone contact information.](#)



**CITRUS COUNTY CENTRAL LANDFILL  
COMPLIANCE MONITORING REPORT  
SECOND SEMIANNUAL 2019**

**FDEP Permit No. 21375-018-SO/01  
WACS Facility ID: 39859  
FDEP Due Date: October 8, 2019**

**Prepared by:**

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

**Professional Engineering Certificate of Authorization #1841  
Geology Business #GB133**

**October 2019**



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Troy D. Hays, PG  
Florida License # 2679

October 7, 2019

Mr. Steve Tafuni  
Florida Department of Environmental Protection – Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

RE: Citrus County Class I Central Landfill  
Compliance Monitoring Report – Second Semiannual 2019  
Permit No. 21375-025-SO-01  
WACS Facility ID: 39859  
Jones Edmunds Project No.: 03860-069-01

Dear Mr. Tafuni,

This report presents data from the Second Semiannual 2019 sampling event performed on July 23, 25, and 29, 2019 at the Citrus County Class I Central Landfill. Groundwater elevations used in preparing contour maps (Attachment 1) for this event were recorded on July 22, 2019.

#### [Permit Requirements](#)

This sampling event was conducted under the regulatory authority of Permit Number 21375-025-SO-01 (issued August 15, 2016). All field sampling activities were performed by Jones Edmunds & Associates, Inc. and laboratory analyses were performed by Environmental Conservation Laboratories, Inc. (State of Florida Department of Health Certifications E83182 and E82277).

All active background and compliance wells were sampled and analyzed for the parameters listed in Appendix 3.II.3 of the current permit. Assessment wells MW-18, MW-18D, MW-19, and MW-19D were sampled and analyzed for the parameters listed in Appendix 3.II.4. Assessment wells MW-18D and MW-19D were also sampled and analyzed for Iron and MW-19 and MW-19D for Ammonia-Nitrogen and Chloride.

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.

#### [Groundwater Monitoring](#)

Groundwater results reported at or outside groundwater standards in the background and compliance wells included pH, Iron, Dissolved Iron, Benzene, and Vinyl Chloride. Groundwater results reported at or outside groundwater standards in the assessment wells included pH, Iron, Benzene, and Vinyl Chloride. Attachment 2 presents a summary table of these parameters.

## Trend Analysis

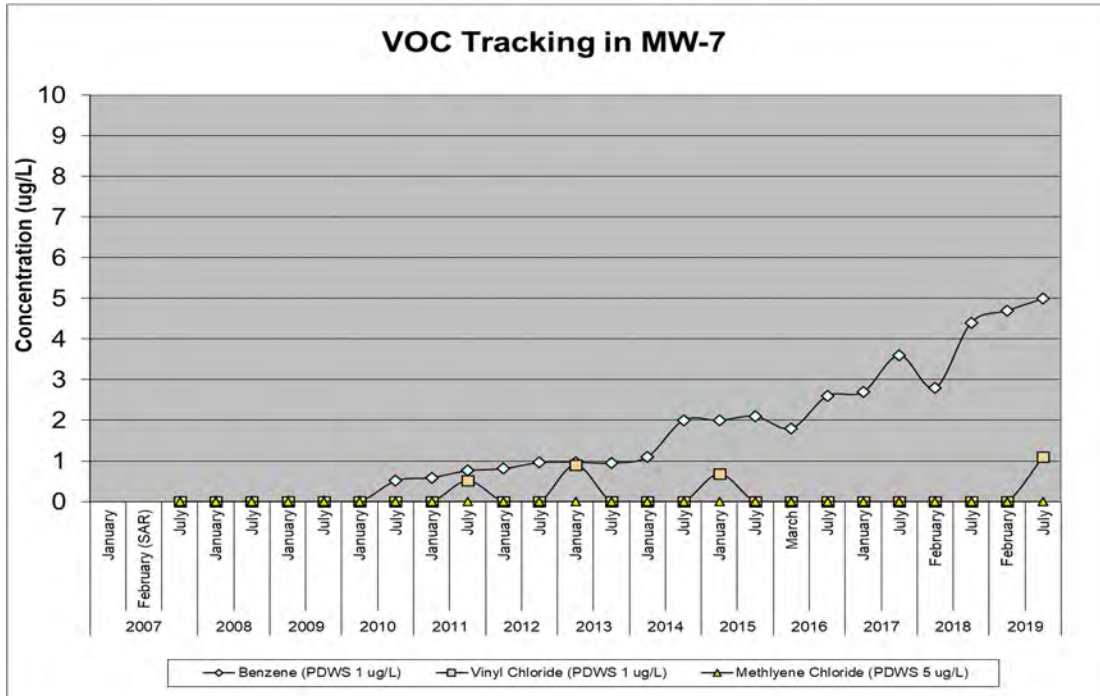
Trend analyses are provided in Attachment 8 for the parameters that are consistently detected above the laboratory detection limit. Trends of note include the following:

- Conductivity, Sodium, Chloride, Copper, and TDS were generally increasing in MW-3 but decreased slightly during the last 2-3 sampling events. The abrupt decrease in Barium in MW-3 from concentrations around 50 ug/L to below the detection was caused by a change in the laboratory detection limit from 20 ug/L to 50 ug/L. Barium was increasing in MW-3 until this sampling event.
- Conductivity is increasing in MW-17, MW-19, and MW-21. Conductivity remains elevated and appears to be gradually increasing in MW-20.
- TDS is generally increasing in MW-11, MW-17, MW-20, and MW-21.
- Apparent abrupt decreases in Arsenic and Barium in 2017-2018 are due to changes in laboratory detection limits.
- The abrupt decrease in Barium in MW-20 from concentrations around 40 ug/L to below the detection was caused by a change in the laboratory detection limit from 20 ug/L to 50 ug/L.
- 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, and MW-22. Iron in MW-20 appears to be stabilizing at concentrations between 120,000 and 140,000 µg/L.
- Benzene, Chlorobenzene, 1,4-Dichlorobenzene, and Ethylbenzene are all increasing in MW-7. Vinyl Chloride in MW-7 exceeded the PDWS of 1 ug/L during this sampling event.
- Benzene is above the PDWS and relatively stable in MW-19 at concentrations between 2 and 2.5 ug/L. Benzene in MW-19D has been relatively stable at concentrations around 0.8 ug/L for the last 3 sampling events. Benzene remained below the laboratory detection limit in MW-10 and MW-21 during this sampling event.
- 1,4-Dichlorobenzene is decreasing in MW-10, MW-13, and MW-21
- Vinyl Chloride remains relatively stable in MW-19 at concentrations between 2 and 3 µg/L. Vinyl Chloride was reported at 0.83 I ug/L in MW-19D during this sampling event, below the PDWS of 1 ug/L.
- Cis-1,2-Dichloroethene increased slightly in MW-7 during this sampling event. Cis-1,2-Dichloroethene is decreasing in MW-10, MW-13, and MW-15. Cis-1,2-Dichloroethene remains below the laboratory detection limit in MW-21 during this sampling event. Concentrations in all wells are low-level and well below the PDWS of 70 µg/L.

### VOC Trend Analysis

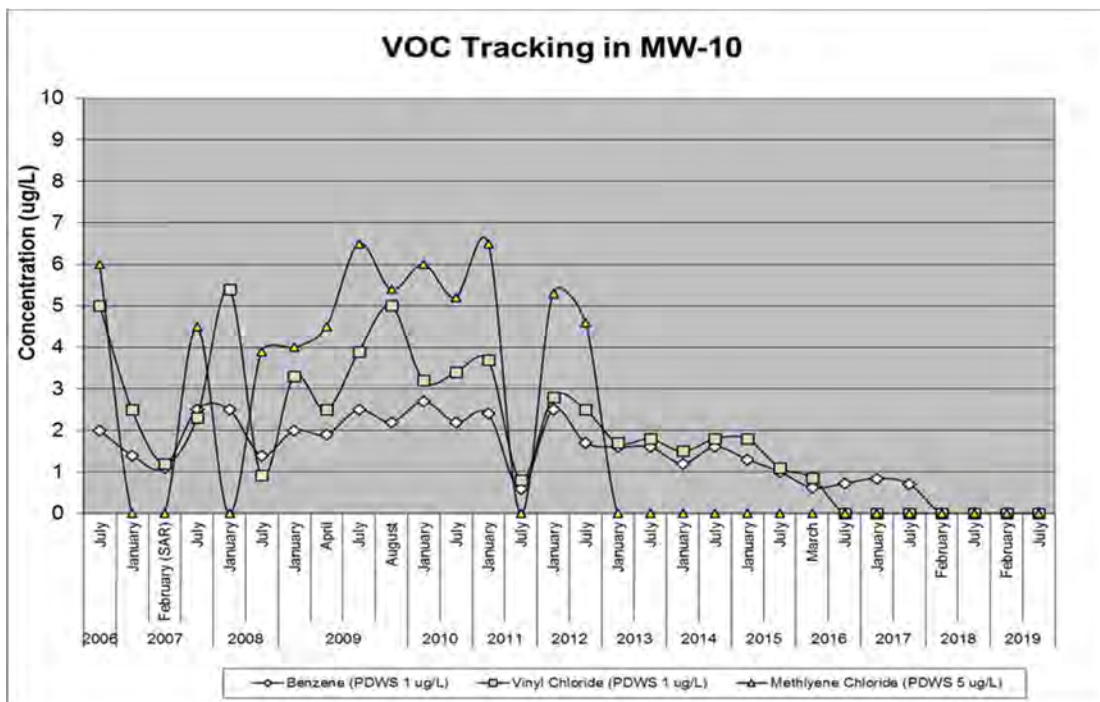
**MW-7:** Benzene increased in MW-7 during this event. Vinyl Chloride in MW-7 exceeded the PDWS of 1 ug/L during this sampling event. Methylene Chloride is below the laboratory detection limit.

Figure 1: VOC Tracking in MW-7



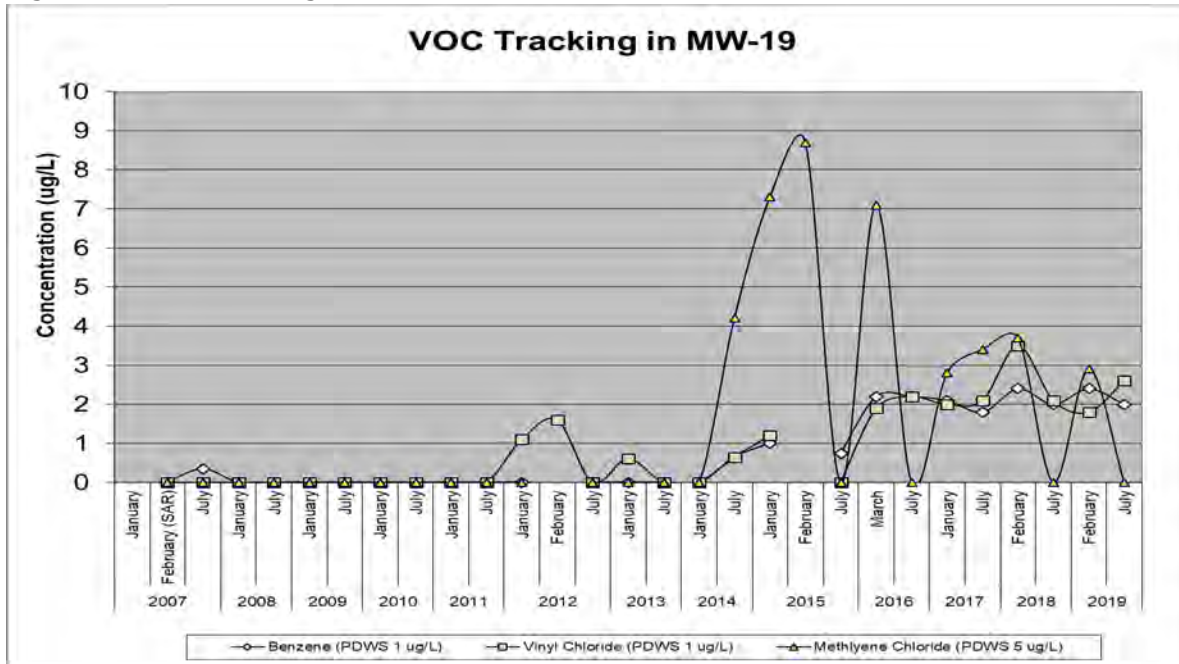
**MW-10:** VOCs in MW-10 have all decreased. Benzene, Vinyl Chloride, and Methylene Chloride are all below laboratory detection limits during this event.

Figure 2: VOC Tracking in MW-10



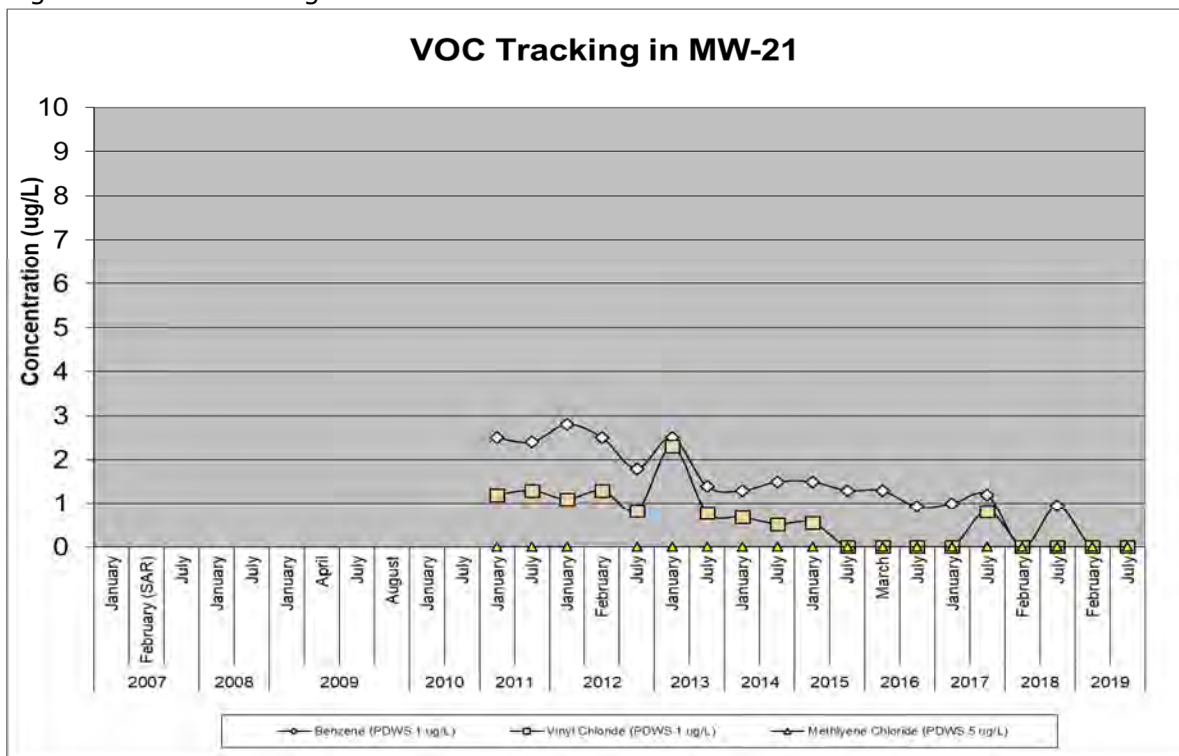
**MW-19:** Benzene is above the PDWS and relatively stable in MW-19 at concentrations between 2 and 2.5 ug/L Vinyl Chloride remains relatively stable in MW-19 at concentrations between 2 and 3 µg/L.

Figure 3: VOC Tracking in MW-19



**MW-21:** Benzene, Methylene Chloride, and Vinyl Chloride were all reported as below laboratory detection limits during this sampling event.

Figure 4: VOC Tracking in MW-21



### Additional Water Quality Testing

Increasing parameter trends in Conductivity, Chloride, Nitrate-Nitrogen, TDS, Barium, Copper, and Sodium were noted in background well MW-3 during the First Semiannual 2018 sampling event. These trends appeared anomalous and did not match what is normally observed at the landfill nor did they match the parameter trends in the groundwater wells that are currently in assessment monitoring at the landfill. The presence of Nitrate-Nitrogen above the PDWS seemed to indicate an oxidizing source for the increasing parameters. A possible source for the increasing parameter concentrations in MW-3 was thought to be the deep stormwater retention pond located just northwest of MW-3.

The retention pond was sampled on May 3, 2018, February 18, and July 29, 2019. Results for the retention pond compared to the past five years of data for MW-3 are included in Attachment 9 of this report.

The results of the retention pond sampling do not appear to correlate with the results reported in MW-3. In particular, Nitrate-Nitrogen has been low-level in the retention pond but elevated in MW-3. Several low-level metals reported in the retention pond have not been reported in MW-3. Copper, Lead, and Zinc are all higher in MW-3 than reported in the retention pond. Iron is reported above the SDWS of 300 ug/L in the retention pond but is not reported in MW-3. Conductivity, Sodium, Chloride, Copper, and TDS in MW-3 have all decreased slightly during the last 2-3 sampling events. Sampling of the retention pond will be discontinued and other sources for the elevated parameter concentrations in MW-3 will be explored.

### Conclusions and Recommendations

The groundwater assessment at the site was first initiated due to VOC exceedances in MW-10. It was shown that LFG in contact with the groundwater was causing the exceedances and a small solar-powered LFG extraction system was installed near the old closed landfill cells, which remediated the uppermost groundwater around MW-10. MW-10 is still clean this sampling event; however, the nearby delineation wells have shown that the VOC parameters are migrating down in the aquifer.

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. Benzene, Methylene Chloride, and Vinyl Chloride in MW-18D and MW-22 were below their respective laboratory detection limits during this sampling event indicating that the northern extent of the observed parameters in the groundwater is delineated. Methylene Chloride was below the laboratory detection limit in MW-19D during this sampling event. Vinyl Chloride in MW-19D was reported at 0.83 I ug/L; just above the laboratory detection limit but below the PDWS of 1 µg/L. Benzene decreased slightly in MW-19D and was reported at a concentration of 0.77 I µg/L; just above the laboratory detection limit but below the PDWS of 1 µg/L. Semiannual sampling will continue in the assessment wells. The installed deep wells have the VOC exceedances delineated horizontally. The area of VOC exceedances is delineated on this part of the facility.

The County is currently installing a dedicated blower and landfill gas extraction system in the area around MW-10 and MW-21 on the old closed landfill cells. The extraction system was permitted through FDEP and is currently in construction. All piping is installed, and the

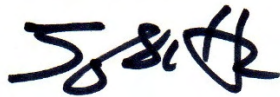


blower skid and electrical work is expected to be installed in November 2019. The upgraded LFG extraction system is expected to be in operation in January 2020.

Background well MW-7 continues to show elevated levels of VOCs on the upgradient boundary of the landfill. The VOC exceedances in this well are also from 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 will be installed near MW-7 outside of the waste filled areas and connected to the County's extraction system. Construction of the landfill gas extraction system expansion is underway. It is expected to be in operation in January 2020.

Semiannual groundwater monitoring will continue as outlined in the permit. An update on the operational status of the new and expanded landfill gas extraction systems will be included in the First Semiannual 2020 groundwater monitoring report. If you have any questions or comments regarding this report, please contact me at (352) 377-5821 or [thays@jonesedmunds.com](mailto:thays@jonesedmunds.com).

Sincerely,



Troy D. Hays, PG  
Senior Manager/Vice President  
730 NE Waldo Road  
Gainesville, FL 32641

\\Gnvmain\envserv\EnvDocs\Citrus County\2019\19S2\19S2\_Citrus Central\_Letter\_tdh.docx

xc: Henry Norris, Citrus County

- Attachment 1: Groundwater Elevation Data and Groundwater Contour Map
- Attachment 2: Analysis Results Compared to Groundwater Standards
- Attachment 3: Groundwater Parameters at or Above the Laboratory Detection Limit
- Attachment 4: Parameter Monitoring Report Forms
- Attachment 5: Original Laboratory Data Including Chain-of-Custody Forms
- Attachment 6: Field Data Sheets
- Attachment 7: Historical Data Summary
- Attachment 8: Long-Term Trend Graphs
- Attachment 9: Retention Pond Sampling Results
- Attachment 10: Well Inspection Report



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form # 62-701 900(31), F A C  
Form Title Water Quality Monitoring Certification  
Effective Date January 6, 2010  
Incorporated in Rule 62-701 510(9), F A C

## WATER QUALITY MONITORING CERTIFICATION

### PART I GENERAL INFORMATION

(1) Facility Name Citrus County Central Landfill  
 Address 230 W Gulf to Lake Hwy  
 City Lecanto, FL Zip 34461 County Citrus  
 Telephone Number (352 ) 527-7679

(2) WACS Facility ID 39859

(3) DEP Permit Number 21375-025-SO-01

(4) Authorized Representative's Name Troy D. Hays, PG - Jones Edmunds Title Senior Manager  
 Address 730 N.E. Waldo Road  
 City Gainesville, FL Zip 32641-5699 County Alachua  
 Telephone Number ( 352 ) 377-5821  
 Email address (if available) thays@jonesedmunds.com

### CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

10/3/14 (Date) [Signature] (Owner or Authorized Representative's Signature)

### PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Jones Edmunds and Associates, Inc.  
 Analytical Lab NELAC / HRS Certification # E83182  
 Lab Name Environmental Conservation Laboratories, Inc.  
 Address 10775 Central Port Drive, Orlando, FL 32824  
 Phone Number ( 407 ) 826-5314 (David Camacho, Project Manager)  
 Email address (if available) dcamacho@encolabs.com

Northwest District  
160 Government Center  
Pensacola, FL 32501-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. 200 B  
Jacksonville, FL 32256-7590  
904-807-3300

Central District  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
407-894-7555

Southwest District  
13051 N. Telecom Pky  
Temple Terrace, FL  
813-632-7600

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33902-2549  
239-332-6975

Southeast District  
400 North Congress Ave.  
West Palm Beach, FL 33401  
561-681-6600

**ATTACHMENT 1**

**GROUNDWATER ELEVATION DATA AND  
GROUNDWATER CONTOUR MAP**

**GROUNDWATER ELEVATION DATA  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMIANNUAL 2019**

WELL NAME	TOP OF CASING	CONTOUR MAP		TIME OF SAMPLING	
		DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
	(NGVD,FT)	(FT)	(NGVD,FT)	(FT)	(NGVD,FT)
MW-1R	118.07	111.69	6.38	NS	NS
MW-2	136.05	127.84	8.21	NS	NS
MW-3	120.31	111.87	8.44	111.80	8.51
MW-5	120.98	113.56	7.42	NS	NS
MW-6	118.27	110.92	7.35	NS	NS
MW-7	128.47	120.80	7.67	120.77	7.70
MW-8R	117.96	111.66	6.30	NS	NS
MW-9	113.29	107.08	6.21	NS	NS
MW-10	113.37	105.91	7.46	105.87	7.50
MW-11	104.69	98.48	6.21	98.43	6.26
MW-12	103.36	97.12	6.24	97.05	6.31
MW-13	111.92	105.58	6.34	105.52	6.40
MW-14	108.50	102.27	6.23	102.19	6.31
MW-15	123.58	116.97	6.61	116.96	6.62
MW-16	119.64	113.22	6.42	NS	NS
MW-17	110.85	104.50	6.35	104.46	6.39
MW-20	119.76	112.45	7.31	112.48	7.28
MW-21	115.63	107.81	7.82	107.86	7.77
MW-22	113.79	107.49	6.30	107.02	6.77
MW-18	115.82	107.41	8.41	106.95	8.87
MW-18D	115.68	107.11	8.57	106.57	9.11
MW-19	113.50	106.02	7.48	105.89	7.61
MW-19D	113.59	106.04	7.55	105.69	7.90
MW-AA	105.85	99.61	6.24	NS	NS
MW-B	113.30	106.79	6.51	NS	NS
MW-E	109.36	103.13	6.23	NS	NS
PZ-1	110.97	104.73	6.24	NS	NS
PZ-2	116.82	110.74	6.08	NS	NS

NGVD - National Geodetic Vertical Datum

NAVD - North American Vertical Datum

NS - Not Sampled

NM - Not Measured or Dry; refer to letter for details

NA - Not Available



## **ATTACHMENT 2**

### **ANALYSIS RESULTS COMPARED TO GROUNDWATER STANDARDS**

**ANALYSIS RESULTS COMPARED TO GROUNDWATER  
STANDARDS AND/OR GUIDANCE CONCENTRATIONS  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMI ANNUAL 2019**

PARAMETER		pH (FIELD)	IRON	IRON, DISSOLVED	BENZENE	VINYL CHLORIDE
STANDARD		6.5-8.5 S.U.**	300 µg/L**	300 µg/L**	1 µg/L*	1 µg/L*
<b>Background</b>						
MW-3	7/25/2019	4.70	-	NM	-	-
MW-7	7/25/2019	5.06	1680	NM	5.0	1.1
<b>Compliance</b>						
MW-10	7/25/2019	4.74	4350	2510	-	-
MW-11	7/23/2019	-	-	NM	-	-
MW-12	7/23/2019	-	2870 V	NM	-	-
MW-13	7/23/2019	5.34	2800 V	NM	-	-
MW-14	7/23/2019	-	-	NM	-	-
MW-15	7/23/2019	5.00	8230 V	NM	-	-
MW-17	7/23/2019	5.72	39100 V	NM	-	-
MW-20	7/25/2019	6.25	131000	NM	-	-
MW-21	7/25/2019	5.15	5650	5610	-	-
MW-22	7/29/2019	-	-	NM	-	-
<b>Assessment</b>						
MW-18	7/29/2019	4.98	NM	NM	-	-
MW-18D	7/29/2019	5.09	-	NM	-	-
MW-19	7/25/2019	5.66	NM	NM	2.0	2.6
MW-19D	7/29/2019	6.17	34100	NM	-	-
<b>Surface Water</b>						
Retention Pond	7/29/2019	8.58	509	NM	NM	NM

**LEGEND**

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

**Note:**

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

**ATTACHMENT 3**

**GROUNDWATER PARAMETERS  
AT OR ABOVE THE  
LABORATORY DETECTION LIMIT**



**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMIANNUAL 2019**

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	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-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
<b>Compliance</b>															
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-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-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-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-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 I	280	<5.00	<50.0
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	<0.052	30	<5.00	<50.0
MW-17	07/23/2019	230	104.46	0.26	6.39	5.72	-4.2	24.6	1.68	0.63	7.1	<0.052	100	5.56 I	<50.0
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	9.70 I	<50.0
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	<0.052	86	<5.00	<50.0
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	<0.052	260	<5.00	<50.0
<b>Assessment</b>															
MW-18	07/29/2019	44	106.95	2.28	8.87	4.98	227.1	24.1	4.9	-	-	-	-	-	-
MW-18D	07/29/2019	37	106.57	1.03	9.11	5.09	120.5	29.3	0.66	-	-	-	-	-	-
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-19D	07/29/2019	360	105.69	0.56	7.90	6.17	-77.6	28.3	0.37	0.076	4.9 I	-	-	-	-
<b>QAQC</b>															
EQUBLK1	07/29/2019	-	-	-	-	-	-	-	-	<0.0098	<0.29	<0.052	<10	<5.00	<50.0
EQUBLK2	07/29/2019	-	-	-	-	-	-	-	-	<0.0098	<0.29	<0.052	<10	<0.500	<5.00
TRIP1	07/23/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP2	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP3	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMI ANNUAL 2019**

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	(1)	(1)	(1)	(1)	6.5-8.5 S.U.**	(1)	(1)	(1)	2.8 mg/L***	250 mg/L**	10 mg/L*	500 mg/L**	10 µg/L*	2000 µg/L*
UNITS	uS/cm	ft	ppm	ft, NGVD	S.U.	mV	deg C	NTU	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L

**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	

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMIANNUAL 2019**

PARAMETER	CHROMIUM	COPPER	IRON	IRON, DISSOLVED	LEAD	MERCURY	NICKEL	NICKEL, DISSOLVED	SILVER	SODIUM	SODIUM, DISSOLVED	THALLIUM	ZINC	1,4- DICHLORO- BENZENE	
STANDARD UNITS	100 µg/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*	2 µg/L*	5000 µg/L**	75 µg/L*	
<b>Background</b>															
MW-3	07/25/2019	<5.00	83.1	<25.0	-	<2.50	<0.0230	<5.00	-	<0.500	7.42	-	<0.500	63.9	<0.76
MW-7	07/25/2019	<5.00	8.05 I	1680	-	<2.50	<0.0230	6.59 I	-	<0.500	9.47	-	<0.500	60.9	9.8
<b>Compliance</b>															
MW-10	07/25/2019	12.2	<2.50	4350	2510	6.68	<0.0230	<5.00	<5.00	<0.500	4.53	4.21	<0.500	<25.0	3.8
MW-11	07/23/2019	<5.00	<2.50	31.8 IV	-	<2.50	<0.0230	<5.00	-	<0.500	4.18	-	0.806 I	<25.0	<0.76
MW-12	07/23/2019	<5.00	<2.50	2870 V	-	<2.50	<0.0230	<5.00	-	<0.500	3.20	-	<0.500	<25.0	<0.76
MW-13	07/23/2019	<5.00	<2.50	2800 V	-	<2.50	0.0257 I	<5.00	-	<0.500	2.68	-	<0.500	<25.0	1.2
MW-14	07/23/2019	<5.00	<2.50	52.3 V	-	<2.50	0.0270 I	<5.00	-	<0.500	3.31	-	<0.500	<25.0	<0.76
MW-15	07/23/2019	<5.00	<2.50	8230 V	-	<2.50	<0.0230	<5.00	-	1.08	2.39	-	<0.500	<25.0	<0.76
MW-17	07/23/2019	<5.00	<2.50	39100 V	-	<2.50	<0.0230	<5.00	-	<0.500	2.49	-	<0.500	<25.0	<0.76
MW-20	07/25/2019	<5.00	<2.50	131000	-	<2.50	<0.0230	<5.00	-	<0.500	13.7	-	<0.500	<25.0	<0.76
MW-21	07/25/2019	<5.00	3.26 I	5650	5610	<2.50	<0.0230	9.01 I	8.13 I	0.591 I	2.44	2.50	<0.500	<25.0	2.8
MW-22	07/29/2019	<5.00	<2.50	237	-	<2.50	<0.0230	<5.00	-	<0.500	3.30	-	<0.500	<25.0	<0.76
<b>Assessment</b>															
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	-	-	77.2	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	-	-	34100	-	-	-	-	-	-	-	-	-	-	-
<b>QAQC</b>															
EQUBLK1	07/29/2019	<5.00	<2.50	<25.0	-	<2.50	<0.0230	<5.00	-	<0.500	<0.320	-	<0.500	<25.0	<0.76
EQUBLK2	07/29/2019	<0.500	<0.250	<2.50	-	<0.250	<0.0230	<0.500	-	<0.0500	<0.0320	-	<0.0500	<2.50	-
TRIP1	07/23/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.76
TRIP2	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.76
TRIP3	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.76

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMIANNUAL 2019**

PARAMETER	CHROMIUM	COPPER	IRON	IRON, DISSOLVED	LEAD	MERCURY	NICKEL	NICKEL, DISSOLVED	SILVER	SODIUM	SODIUM, DISSOLVED	THALLIUM	ZINC	1,4- DICHLORO- BENZENE
STANDARD	100 µg/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*	2 µg/L*	5000 µg/L**	75 µg/L*
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L

**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	

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMIANNUAL 2019**

PARAMETER		BENZENE	CHLORO- BENZENE	CIS-1,2- DICHLORO- ETHENE	ETHYL- BENZENE	M&P- XYLENES	O-XYLENES	TOLUENE	VINYL CHLORIDE	XYLENES
STANDARD UNITS		1 µg/L* µg/L	100 µg/L* µg/L	70 µg/L* µg/L	30 µg/L** µg/L	20 µg/L** µg/L	20 µg/L** µg/L	40 µg/L** µg/L	1 µg/L* µg/L	20 µg/L** µg/L
<b>Background</b>										
MW-3	07/25/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-7	07/25/2019	5.0	2.7	1.8	12	2.7	1.1	1.3	1.1	3.7
<b>Compliance</b>										
MW-10	07/25/2019	<0.71	<0.72	0.84 I	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-11	07/23/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-12	07/23/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-13	07/23/2019	<0.71	<0.72	0.90 I	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-14	07/23/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-15	07/23/2019	<0.71	<0.72	1.5	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-17	07/23/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-20	07/25/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-21	07/25/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
MW-22	07/29/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
<b>Assessment</b>										
MW-18	07/29/2019	<0.71	-	-	-	-	-	-	<0.71	-
MW-18D	07/29/2019	<0.71	-	-	-	-	-	-	<0.71	-
MW-19	07/25/2019	2.0	-	-	-	-	-	-	2.6	-
MW-19D	07/29/2019	0.77 I	-	-	-	-	-	-	0.83 I	-
<b>QAQC</b>										
EQUBLK1	07/29/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
EQUBLK2	07/29/2019	-	-	-	-	-	-	-	-	-
TRIP1	07/23/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
TRIP2	07/25/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3
TRIP3	07/29/2019	<0.71	<0.72	<0.53	<0.69	<1.3	<0.53	<0.72	<0.71	<1.3

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
SECOND SEMIANNUAL 2019**

PARAMETER	BENZENE	CHLORO- BENZENE	CIS-1,2- DICHLORO- ETHENE	ETHYL- BENZENE	M&P- XYLENES	O-XYLENES	TOLUENE	VINYL CHLORIDE	XYLENES
STANDARD	1 µg/L*	100 µg/L*	70 µg/L*	30 µg/L**	20 µg/L**	20 µg/L**	40 µg/L**	1 µg/L*	20 µg/L**
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

**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 4**  
**PARAMETER MONITORING REPORT FORMS**

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 150**
**Well Name: MW-3**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 8.51**
**Sampling Date/Time: 7/25/2019 9:33:00 AM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: YES**
**Well Type:**  Background  Intermediate  
 Compliance  Water Supply  
 Detection  Piezometer  
 Assessment  Leachate  
 Other  Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/25/2019 9:33:00 AM	111.80	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/25/2019 9:33:00 AM	8.51	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/25/2019 9:33:00 AM	133	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/25/2019 9:33:00 AM	4.70	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/25/2019 9:33:00 AM	23.3	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/25/2019 9:33:00 AM	0.25	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/26/2019 6:31:00 PM	9.2	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/26/2019 6:31:00 PM	9.3	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 1:35:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/25/2019 9:33:00 AM	6.03	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	83.1	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<25.0	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	7.42	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/6/2019 1:49:00 PM	63.9	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/31/2019 9:39:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 6:24:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 6:24:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<10	ug/L	10ug/L

\* Attach Laboratory Reports



# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 150**
**Well Name: MW-3**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 8.51**
**Sampling Date/Time: 7/25/2019 9:33:00 AM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: YES**
**Well Type:**  Background  Intermediate  
 Compliance  Water Supply  
 Detection  Piezometer  
 Assessment  Leachate  
 Other  Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	8/2/2019 11:38:00 AM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/30/2019 8:32:00 PM	96	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/25/2019 9:33:00 AM	285.1	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 179**
**Well Name: MW-7**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 7.70**
**Sampling Date/Time: 7/25/2019 11:20:00 AM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: YES**
**Well Type:**  Background  Intermediate  
 Compliance  Water Supply  
 Detection  Piezometer  
 Assessment  Leachate  
 Other  Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/25/2019 11:20:00 AM	120.77	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/25/2019 11:20:00 AM	7.70	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/25/2019 11:20:00 AM	100	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/25/2019 11:20:00 AM	5.06	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/25/2019 11:20:00 AM	25.3	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/25/2019 11:20:00 AM	0.50	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/26/2019 8:52:00 PM	8.7	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/26/2019 8:52:00 PM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 1:36:00 PM	0.021	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/25/2019 11:20:00 AM	0.16	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	9.59 I	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	8.05 I	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	1680	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	6.59 I	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	9.47	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/6/2019 1:52:00 PM	60.9	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/31/2019 9:42:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 6:40:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 6:40:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	9.8	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 179**
**Well Name: MW-7**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 7.70**
**Sampling Date/Time: 7/25/2019 11:20:00 AM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: YES**
**Well Type:**  Background  Intermediate  
 Compliance  Water Supply  
 Detection  Piezometer  
 Assessment  Leachate  
 Other  Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	5.0	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	2.7	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	1.8	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	12	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	2.7	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	1.1	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	1.3	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	1.1	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	8/2/2019 3:00:00 PM	3.7	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/30/2019 8:32:00 PM	72	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/25/2019 11:20:00 AM	21.7	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22010**

**Well Name: MW-10**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.50**

**Sampling Date/Time: 7/25/2019 3:02:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/25/2019 3:02:00 PM	105.87	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/25/2019 3:02:00 PM	7.50	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/25/2019 3:02:00 PM	46	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/25/2019 3:02:00 PM	4.74	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/25/2019 3:02:00 PM	23.7	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/25/2019 3:02:00 PM	81.9	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/27/2019 4:23:00 AM	5.0	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/27/2019 4:23:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 1:38:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/25/2019 3:02:00 PM	0.35	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<2.50	ug/L	2.50ug/L
001095	ANTIMONY, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<5.00	ug/L	5.00ug/L
001000	ARSENIC, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	222	ug/L	50.0ug/L
001005	BARIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<0.500	ug/L	0.500ug/L
001010	BERYLLIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<0.500	ug/L	0.500ug/L
001025	CADMIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	12.2	ug/L	5.00ug/L
001030	CHROMIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<5.00	ug/L	5.00ug/L
001035	COBALT, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<2.50	ug/L	2.50ug/L
001040	COPPER, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	4350	ug/L	25.0ug/L
001046	IRON, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	2510	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	6.68	ug/L	2.50ug/L
001049	LEAD, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<5.00	ug/L	5.00ug/L
001065	NICKEL, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<5.00	ug/L	5.00ug/L
001145	SELENIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<0.500	ug/L	0.500ug/L
001075	SILVER, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	4.53	mg/L	0.320mg/L
000930	SODIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	4.21	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<0.500	ug/L	0.500ug/L
001057	THALLIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<5.00	ug/L	5.00ug/L
001085	VANADIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/6/2019 1:45:00 PM	<25.0	ug/L	25.0ug/L
001090	ZINC, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:41:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/31/2019 9:57:00 AM	<0.0230	ug/L	0.0230ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22010**
**Well Name: MW-10**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 7.50**
**Sampling Date/Time: 7/25/2019 3:02:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
071890	MERCURY, DISSOLVED	BP	Yes	EPA 7470A	7/31/2019 9:54:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 7:27:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 7:27:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	3.8	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<10	ug/L	10ug/L
034215	ACRYLONITRILE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	0.84 I	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.73	ug/L	0.73ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22010**

**Well Name: MW-10**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.50**

**Sampling Date/Time: 7/25/2019 3:02:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039180	TRICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	8/2/2019 4:26:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/30/2019 8:32:00 PM	50	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/25/2019 3:02:00 PM	91.0	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22011**
**Well Name: MW-11**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.26**
**Sampling Date/Time: 7/23/2019 4:15:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/23/2019 4:15:00 PM	98.43	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/23/2019 4:15:00 PM	6.26	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/23/2019 4:15:00 PM	511	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/23/2019 4:15:00 PM	6.97	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/23/2019 4:15:00 PM	23.9	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/23/2019 4:15:00 PM	1.59	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/25/2019 2:56:00 PM	8.6	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/25/2019 2:56:00 PM	0.97 I	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 12:48:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/23/2019 4:15:00 PM	0.62	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	31.8 IV	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	4.18	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	0.806 I	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/5/2019 5:19:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/29/2019 10:02:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 12:53:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 12:53:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22011**
**Well Name: MW-11**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.26**
**Sampling Date/Time: 7/23/2019 4:15:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:**

<input type="checkbox"/>	Background	<input type="checkbox"/>	Intermediate
<input checked="" type="checkbox"/>	Compliance	<input type="checkbox"/>	Water Supply
<input type="checkbox"/>	Detection	<input type="checkbox"/>	Piezometer
<input type="checkbox"/>	Assessment	<input type="checkbox"/>	Leachate
<input type="checkbox"/>	Other	<input type="checkbox"/>	Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/30/2019 5:48:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2019 9:36:00 PM	300	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/23/2019 4:15:00 PM	60.6	mV	-999mV



# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22012**
**Well Name: MW-12**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.31**
**Sampling Date/Time: 7/23/2019 3:13:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/23/2019 3:13:00 PM	97.05	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/23/2019 3:13:00 PM	6.31	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/23/2019 3:13:00 PM	537	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/23/2019 3:13:00 PM	6.89	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/23/2019 3:13:00 PM	24.5	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/23/2019 3:13:00 PM	1.03	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/25/2019 11:33:00 AM	7.3	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/25/2019 11:33:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 12:46:00 PM	0.41	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/23/2019 3:13:00 PM	0.13	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	2870 V	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	3.20	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/5/2019 5:16:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/29/2019 9:16:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 12:37:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 12:37:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22012**
**Well Name: MW-12**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.31**
**Sampling Date/Time: 7/23/2019 3:13:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/30/2019 5:18:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2019 9:36:00 PM	310	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/23/2019 3:13:00 PM	-86.9	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22013**

**Well Name: MW-13**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 6.40**

**Sampling Date/Time: 7/23/2019 2:30:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/23/2019 2:30:00 PM	105.52	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/23/2019 2:30:00 PM	6.40	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/23/2019 2:30:00 PM	70	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/23/2019 2:30:00 PM	5.34	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/23/2019 2:30:00 PM	24.1	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/23/2019 2:30:00 PM	3.11	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/25/2019 1:54:00 PM	7.1	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/25/2019 1:54:00 PM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 12:45:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/23/2019 2:30:00 PM	0.31	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	2800 V	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	2.68	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/5/2019 5:12:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/29/2019 9:13:00 AM	0.0257 1	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 12:22:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 12:22:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	1.2	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22013**
**Well Name: MW-13**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.40**
**Sampling Date/Time: 7/23/2019 2:30:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	0.90 I	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/30/2019 4:48:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2019 9:36:00 PM	54	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/23/2019 2:30:00 PM	76.3	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22014**
**Well Name: MW-14**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.31**
**Sampling Date/Time: 7/23/2019 1:18:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/23/2019 1:18:00 PM	102.19	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/23/2019 1:18:00 PM	6.31	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/23/2019 1:18:00 PM	506	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/23/2019 1:18:00 PM	6.94	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/23/2019 1:18:00 PM	24.4	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/23/2019 1:18:00 PM	3.98	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/25/2019 11:18:00 AM	6.3	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/25/2019 11:18:00 AM	0.29 I	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 12:44:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/23/2019 1:18:00 PM	0.98	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	52.3 V	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	3.31	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/5/2019 5:08:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/29/2019 9:10:00 AM	0.0270 I	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 12:06:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 12:06:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22014**
**Well Name: MW-14**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.31**
**Sampling Date/Time: 7/23/2019 1:18:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/30/2019 4:18:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2019 9:36:00 PM	280	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/23/2019 1:18:00 PM	87.7	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 22015**
**Well Name: MW-15**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 6.62**
**Sampling Date/Time: 7/23/2019 12:05:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/23/2019 12:05:00 PM	116.96	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/23/2019 12:05:00 PM	6.62	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/23/2019 12:05:00 PM	53	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/23/2019 12:05:00 PM	5.00	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/23/2019 12:05:00 PM	23.6	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/23/2019 12:05:00 PM	2.70	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/25/2019 10:47:00 AM	3.6 I	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/25/2019 10:47:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 12:43:00 PM	0.073	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/23/2019 12:05:00 PM	0.28	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	8230 V	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	1.08	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	2.39	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/5/2019 5:04:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/29/2019 9:07:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 11:50:00 AM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 11:50:00 AM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22015**

**Well Name: MW-15**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 6.62**

**Sampling Date/Time: 7/23/2019 12:05:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	1.5	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/30/2019 3:48:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2019 9:36:00 PM	30	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/23/2019 12:05:00 PM	63.1	mV	-999mV



# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22017**

**Well Name: MW-17**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 6.39**

**Sampling Date/Time: 7/23/2019 11:01:00 AM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/23/2019 11:01:00 AM	104.46	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/23/2019 11:01:00 AM	6.39	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/23/2019 11:01:00 AM	230	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/23/2019 11:01:00 AM	5.72	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/23/2019 11:01:00 AM	24.6	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/23/2019 11:01:00 AM	1.68	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/24/2019 8:00:00 PM	7.1	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/24/2019 8:00:00 PM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 12:42:00 PM	0.63	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/23/2019 11:01:00 AM	0.26	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	5.56 I	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/5/2019 4:34:00 PM	39100 V	ug/L	250ug/L
001051	LEAD	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	2.49	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/6/2019 11:11:00 AM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/5/2019 4:15:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/29/2019 9:04:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 11:34:00 AM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 11:34:00 AM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22017**

**Well Name: MW-17**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 6.39**

**Sampling Date/Time: 7/23/2019 11:01:00 AM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/30/2019 3:18:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2019 9:36:00 PM	100	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/23/2019 11:01:00 AM	-4.2	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 23691**

**Well Name: MW-20**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.28**

**Sampling Date/Time: 7/25/2019 12:20:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/25/2019 12:20:00 PM	112.48	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/25/2019 12:20:00 PM	7.28	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/25/2019 12:20:00 PM	787	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/25/2019 12:20:00 PM	6.25	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/25/2019 12:20:00 PM	25.4	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/25/2019 12:20:00 PM	1.97	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/26/2019 11:58:00 PM	60	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/26/2019 11:58:00 PM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 1:21:00 PM	0.88	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/25/2019 12:20:00 PM	0.09	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	9.70 I	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/6/2019 2:39:00 PM	131000	ug/L	2500ug/L
001051	LEAD	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	13.7	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/6/2019 1:56:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/31/2019 9:45:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 6:55:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 6:55:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 23691**
**Well Name: MW-20**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 7.28**
**Sampling Date/Time: 7/25/2019 12:20:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	8/2/2019 3:29:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/30/2019 8:32:00 PM	320	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/25/2019 12:20:00 PM	-122.6	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 27449**

**Well Name: MW-21**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.77**

**Sampling Date/Time: 7/25/2019 2:06:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/25/2019 2:06:00 PM	107.86	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/25/2019 2:06:00 PM	7.77	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/25/2019 2:06:00 PM	119	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/25/2019 2:06:00 PM	5.15	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/25/2019 2:06:00 PM	24.4	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/25/2019 2:06:00 PM	14.6	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/27/2019 1:47:00 AM	4.0 I	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/27/2019 1:47:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 1:37:00 PM	1.6	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/25/2019 2:06:00 PM	0.11	mg/L	0mg/L
001097	ANTIMONY	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<2.50	ug/L	2.50ug/L
001095	ANTIMONY, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<5.00	ug/L	5.00ug/L
001000	ARSENIC, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<50.0	ug/L	50.0ug/L
001005	BARIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<0.500	ug/L	0.500ug/L
001010	BERYLLIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<0.500	ug/L	0.500ug/L
001025	CADMIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<5.00	ug/L	5.00ug/L
001030	CHROMIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<5.00	ug/L	5.00ug/L
001035	COBALT, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	3.26 I	ug/L	2.50ug/L
001040	COPPER, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	5650	ug/L	25.0ug/L
001046	IRON, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	5610	ug/L	25.0ug/L
001051	LEAD	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<2.50	ug/L	2.50ug/L
001049	LEAD, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	9.01 I	ug/L	5.00ug/L
001065	NICKEL, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	8.13 I	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<5.00	ug/L	5.00ug/L
001145	SELENIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	0.591 I	ug/L	0.500ug/L
001075	SILVER, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	2.44	mg/L	0.320mg/L
000930	SODIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	2.50	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<0.500	ug/L	0.500ug/L
001057	THALLIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<5.00	ug/L	5.00ug/L
001085	VANADIUM, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	8/6/2019 12:54:00 PM	<25.0	ug/L	25.0ug/L
001090	ZINC, DISSOLVED	BP	Yes	EPA 6020B	8/6/2019 1:37:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/31/2019 9:51:00 AM	<0.0230	ug/L	0.0230ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #: 27449**
**Well Name: MW-21**
**Classification of Ground Water: GII**
**Ground Water Elevation (NGVD): 7.77**
**Sampling Date/Time: 7/25/2019 2:06:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged: Yes**
**Well Type:** [ ] Background [ ] Intermediate  
[X] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
071890	MERCURY, DISSOLVED	BP	Yes	EPA 7470A	7/31/2019 9:48:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2019 7:11:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2019 7:11:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	2.8	ug/L	0.76ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<10	ug/L	10ug/L
034215	ACRYLONITRILE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.73	ug/L	0.73ug/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 27449**

**Well Name: MW-21**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.77**

**Sampling Date/Time: 7/25/2019 2:06:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:**     Background     Intermediate  
                    Compliance     Water Supply  
                    Detection         Piezometer  
                    Assessment     Leachate  
                    Other             Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039180	TRICHLOROETHENE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	8/2/2019 3:58:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/30/2019 8:32:00 PM	86	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/25/2019 2:06:00 PM	22.4	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: MW-22**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 6.77**

**Sampling Date/Time: 7/29/2019 3:15:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	SP	No	DEP SOP	7/29/2019 3:15:00 PM	107.02	Ft	Ft
082545	GROUNDWATER ELEVATION	SP	No	DEP SOP	7/29/2019 3:15:00 PM	6.77	Ft	Ft
000094	CONDUCTIVITY (FIELD)	SP	No	EPA 120.1	7/29/2019 3:15:00 PM	507	umhos/cm	0umhos/cm
000406	pH (FIELD)	SP	No	EPA 150.1	7/29/2019 3:15:00 PM	6.92	pH Units	pH Units
000010	TEMPERATURE (FIELD)	SP	No	EPA 170.1	7/29/2019 3:15:00 PM	30.1	°C	0°C
082078	TURBIDITY (FIELD)	SP	No	EPA 180.1	7/29/2019 3:15:00 PM	4.83	NTU	0NTU
000940	CHLORIDE	SP	No	EPA 300.0	7/31/2019 1:10:00 AM	4.6 I	mg/L	0.29mg/L
000620	NITRATE NITROGEN	SP	No	EPA 300.0	7/31/2019 1:10:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	SP	No	EPA 350.1	7/31/2019 1:43:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	SP	No	EPA 360.1	7/29/2019 3:15:00 PM	0.39	mg/L	0mg/L
001097	ANTIMONY	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	237	ug/L	25.0ug/L
001051	LEAD	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	3.30	mg/L	0.320mg/L
001059	THALLIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	SP	No	EPA 6020B	8/8/2019 2:07:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	SP	No	EPA 7470A	8/1/2019 9:45:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	SP	No	EPA 8011	8/6/2019 2:56:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	SP	No	EPA 8011	8/6/2019 2:56:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<10	ug/L	10ug/L

\* Attach Laboratory Reports



# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: MW-22**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 6.77**

**Sampling Date/Time: 7/29/2019 3:15:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [X] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	SP	No	EPA 8260D	8/7/2019 3:08:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	SP	No	SM 2540C-2011	8/1/2019 7:33:00 PM	260	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	SP	No	SM2580B	7/29/2019 3:15:00 PM	-19.1	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22709**

**Well Name: MW-18**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 8.87**

**Sampling Date/Time: 7/29/2019 9:55:00 AM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [X] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/29/2019 9:55:00 AM	106.95	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/29/2019 9:55:00 AM	8.87	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/29/2019 9:55:00 AM	44	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/29/2019 9:55:00 AM	4.98	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/29/2019 9:55:00 AM	24.1	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/29/2019 9:55:00 AM	4.9	NTU	0NTU
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/29/2019 9:55:00 AM	2.28	mg/L	0mg/L
034030	BENZENE	BP	No	EPA 8260D	8/7/2019 4:06:00 PM	<0.71	ug/L	0.71ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/7/2019 4:06:00 PM	<2.0	ug/L	2.0ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/7/2019 4:06:00 PM	<0.71	ug/L	0.71ug/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/29/2019 9:55:00 AM	227.1	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: MW-18D**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 9.11**

**Sampling Date/Time: 7/29/2019 11:19:00 AM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [X] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	SP	No	DEP SOP	7/29/2019 11:19:00 AM	106.57	Ft	Ft
082545	GROUNDWATER ELEVATION	SP	No	DEP SOP	7/29/2019 11:19:00 AM	9.11	Ft	Ft
000094	CONDUCTIVITY (FIELD)	SP	No	EPA 120.1	7/29/2019 11:19:00 AM	37	umhos/cm	0umhos/cm
000406	pH (FIELD)	SP	No	EPA 150.1	7/29/2019 11:19:00 AM	5.09	pH Units	pH Units
000010	TEMPERATURE (FIELD)	SP	No	EPA 170.1	7/29/2019 11:19:00 AM	29.3	°C	0°C
082078	TURBIDITY (FIELD)	SP	No	EPA 180.1	7/29/2019 11:19:00 AM	0.66	NTU	0NTU
000299	DISSOLVED OXYGEN (FIELD)	SP	No	EPA 360.1	7/29/2019 11:19:00 AM	1.03	mg/L	0mg/L
001045	IRON	SP	No	EPA 6020B	8/8/2019 3:12:00 PM	77.2	ug/L	25.0ug/L
034030	BENZENE	SP	No	EPA 8260D	8/7/2019 4:36:00 PM	<0.71	ug/L	0.71ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 4:36:00 PM	<2.0	ug/L	2.0ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	8/7/2019 4:36:00 PM	<0.71	ug/L	0.71ug/L
046480	REDOX POTENTIAL (FIELD)	SP	No	SM2580B	7/29/2019 11:19:00 AM	120.5	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #: 22710**

**Well Name: MW-19**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.61**

**Sampling Date/Time: 7/25/2019 4:18:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [X] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	BP	No	DEP SOP	7/25/2019 4:18:00 PM	105.89	Ft	Ft
082545	GROUNDWATER ELEVATION	BP	No	DEP SOP	7/25/2019 4:18:00 PM	7.61	Ft	Ft
000094	CONDUCTIVITY (FIELD)	BP	No	EPA 120.1	7/25/2019 4:18:00 PM	158	umhos/cm	0umhos/cm
000406	pH (FIELD)	BP	No	EPA 150.1	7/25/2019 4:18:00 PM	5.66	pH Units	pH Units
000010	TEMPERATURE (FIELD)	BP	No	EPA 170.1	7/25/2019 4:18:00 PM	23.8	°C	0°C
082078	TURBIDITY (FIELD)	BP	No	EPA 180.1	7/25/2019 4:18:00 PM	2.50	NTU	0NTU
000940	CHLORIDE	BP	No	EPA 300.0	7/27/2019 6:59:00 AM	6.4	mg/L	0.29mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	7/31/2019 1:40:00 PM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	BP	No	EPA 360.1	7/25/2019 4:18:00 PM	0.25	mg/L	0mg/L
034030	BENZENE	BP	No	EPA 8260D	8/2/2019 4:55:00 PM	2.0	ug/L	0.71ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	8/2/2019 4:55:00 PM	<2.0	ug/L	2.0ug/L
039175	VINYL CHLORIDE	BP	No	EPA 8260D	8/2/2019 4:55:00 PM	2.6	ug/L	0.71ug/L
046480	REDOX POTENTIAL (FIELD)	BP	No	SM2580B	7/25/2019 4:18:00 PM	11.2	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: MW-19D**

**Classification of Ground Water: GII**

**Ground Water Elevation (NGVD): 7.90**

**Sampling Date/Time: 7/29/2019 12:48:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged: Yes**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [X] Assessment [ ] Leachate  
 [ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	SP	No	DEP SOP	7/29/2019 12:48:00 PM	105.69	Ft	Ft
082545	GROUNDWATER ELEVATION	SP	No	DEP SOP	7/29/2019 12:48:00 PM	7.90	Ft	Ft
000094	CONDUCTIVITY (FIELD)	SP	No	EPA 120.1	7/29/2019 12:48:00 PM	360	umhos/cm	0umhos/cm
000406	pH (FIELD)	SP	No	EPA 150.1	7/29/2019 12:48:00 PM	6.17	pH Units	pH Units
000010	TEMPERATURE (FIELD)	SP	No	EPA 170.1	7/29/2019 12:48:00 PM	28.3	°C	0°C
082078	TURBIDITY (FIELD)	SP	No	EPA 180.1	7/29/2019 12:48:00 PM	0.37	NTU	0NTU
000940	CHLORIDE	SP	No	EPA 300.0	7/30/2019 10:34:00 PM	4.9 I	mg/L	0.29mg/L
000610	AMMONIA NITROGEN	SP	No	EPA 350.1	7/31/2019 1:41:00 PM	0.076	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	SP	No	EPA 360.1	7/29/2019 12:48:00 PM	0.56	mg/L	0mg/L
001045	IRON	SP	No	EPA 6020B	8/8/2019 3:23:00 PM	34100	ug/L	250ug/L
034030	BENZENE	SP	No	EPA 8260D	8/7/2019 5:05:00 PM	0.77 I	ug/L	0.71ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 5:05:00 PM	<2.0	ug/L	2.0ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	8/7/2019 5:05:00 PM	0.83 I	ug/L	0.71ug/L
046480	REDOX POTENTIAL (FIELD)	SP	No	SM2580B	7/29/2019 12:48:00 PM	-77.6	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: Retention Pond**

**Classification of Ground Water:**

**Ground Water Elevation (NGVD):**

**Sampling Date/Time: 7/29/2019**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged:**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [ ] Other [X] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
000094	CONDUCTIVITY (FIELD)	E	No	EPA 120.1	7/29/2019 3:50:00 PM	497	umhos/cm	0umhos/cm
000406	pH (FIELD)	E	No	EPA 150.1	7/29/2019 3:50:00 PM	8.58	pH Units	pH Units
000010	TEMPERATURE (FIELD)	E	No	EPA 170.1	7/29/2019 3:50:00 PM	34.3	°C	0°C
082078	TURBIDITY (FIELD)	E	No	EPA 180.1	7/29/2019 3:50:00 PM	27.1	NTU	0NTU
000940	CHLORIDE	E	No	EPA 300.0	7/31/2019 1:25:00 AM	22	mg/L	0.29mg/L
000620	NITRATE NITROGEN	E	No	EPA 300.0	7/31/2019 1:25:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	E	No	EPA 350.1	8/7/2019 10:16:00 AM	0.58	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	E	No	EPA 360.1	7/29/2019 3:50:00 PM	10.37	mg/L	0mg/L
001097	ANTIMONY	E	No	EPA 6020B	8/8/2019 3:31:00 PM	1.52	ug/L	0.250ug/L
001002	ARSENIC	E	No	EPA 6020B	8/8/2019 3:31:00 PM	6.81	ug/L	0.500ug/L
001007	BARIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	5.64 I	ug/L	5.00ug/L
001012	BERYLLIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	<0.0500	ug/L	0.0500ug/L
001027	CADMIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	<0.0500	ug/L	0.0500ug/L
001034	CHROMIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	3.24	ug/L	0.500ug/L
001037	COBALT	E	No	EPA 6020B	8/8/2019 3:31:00 PM	0.594 I	ug/L	0.500ug/L
001042	COPPER	E	No	EPA 6020B	8/8/2019 3:31:00 PM	1.85	ug/L	0.250ug/L
001045	IRON	E	No	EPA 6020B	8/8/2019 3:31:00 PM	509	ug/L	2.50ug/L
001051	LEAD	E	No	EPA 6020B	8/8/2019 3:31:00 PM	0.414 I	ug/L	0.250ug/L
001067	NICKEL	E	No	EPA 6020B	8/8/2019 3:31:00 PM	2.39	ug/L	0.500ug/L
001147	SELENIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	<0.500	ug/L	0.500ug/L
001077	SILVER	E	No	EPA 6020B	8/8/2019 3:31:00 PM	<0.0500	ug/L	0.0500ug/L
000929	SODIUM	E	No	EPA 6020B	8/9/2019 2:16:00 PM	20.7	mg/L	0.640mg/L
001059	THALLIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	<0.0500	ug/L	0.0500ug/L
001087	VANADIUM	E	No	EPA 6020B	8/8/2019 3:31:00 PM	4.22	ug/L	0.500ug/L
001092	ZINC	E	No	EPA 6020B	8/8/2019 3:31:00 PM	9.62	ug/L	2.50ug/L
071900	MERCURY	E	No	EPA 7470A	8/1/2019 9:20:00 AM	<0.0230	ug/L	0.0230ug/L
070300	TOTAL DISSOLVED SOLIDS	E	No	SM 2540C-2011	8/1/2019 7:33:00 PM	270	mg/L	10mg/L
046480	REDOX POTENTIAL (FIELD)	E	No	SM2580B	7/29/2019 3:50:00 PM	61.9	mV	-999mV

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #:**
**Well Name: EQUBLK1 (AC05516-04)**
**Classification of Ground Water:**
**Ground Water Elevation (NGVD):**
**Sampling Date/Time: 7/29/2019 3:48:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged:**
**Well Type:** [ ] Background [ ] Intermediate  
[ ] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
000940	CHLORIDE	SP	No	EPA 300.0	7/31/2019 12:54:00 AM	<0.29	mg/L	0.29mg/L
000620	NITRATE NITROGEN	SP	No	EPA 300.0	7/31/2019 12:54:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	SP	No	EPA 350.1	7/31/2019 1:42:00 PM	<0.0098	mg/L	0.0098mg/L
001097	ANTIMONY	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<5.00	ug/L	5.00ug/L
001007	BARIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<0.500	ug/L	0.500ug/L
001027	CADMIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<0.500	ug/L	0.500ug/L
001034	CHROMIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<25.0	ug/L	25.0ug/L
001051	LEAD	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<5.00	ug/L	5.00ug/L
001077	SILVER	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<0.320	mg/L	0.320mg/L
001059	THALLIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<0.500	ug/L	0.500ug/L
001087	VANADIUM	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	SP	No	EPA 6020B	8/8/2019 1:17:00 PM	<25.0	ug/L	25.0ug/L
071900	MERCURY	SP	No	EPA 7470A	8/1/2019 10:00:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	SP	No	EPA 8011	8/6/2019 2:41:00 PM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	SP	No	EPA 8011	8/6/2019 2:41:00 PM	<0.004	ug/L	0.004ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<10	ug/L	10ug/L
034215	ACRYLONITRILE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<2.6	ug/L	2.6ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Facility WACS #: SWD/09/39859**
**Test Site ID #:**
**Well Name: EQUBLK1 (AC05516-04)**
**Classification of Ground Water:**
**Ground Water Elevation (NGVD):**
**Sampling Date/Time: 7/29/2019 3:48:00 PM**
**Report Period: SECOND SEMIANNUAL 2019**
**Well Purged:**
**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
032102	CARBON TETRACHLORIDE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROENZENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.60	ug/L	0.60ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	SP	No	EPA 8260D	8/7/2019 2:39:00 PM	<1.3	ug/L	1.3ug/L
070300	TOTAL DISSOLVED SOLIDS	SP	No	SM 2540C-2011	8/1/2019 7:33:00 PM	<10	mg/L	10mg/L



# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: EQUBLK2 (AC04863-01)**

**Classification of Ground Water:**

**Ground Water Elevation (NGVD):**

**Sampling Date/Time: 7/29/2019 3:45:00 PM**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged:**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
000940	CHLORIDE	E	No	EPA 300.0	7/31/2019 12:38:00 AM	<0.29	mg/L	0.29mg/L
000620	NITRATE NITROGEN	E	No	EPA 300.0	7/31/2019 12:38:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	E	No	EPA 350.1	8/7/2019 10:15:00 AM	<0.0098	mg/L	0.0098mg/L
001097	ANTIMONY	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.250	ug/L	0.250ug/L
001002	ARSENIC	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.500	ug/L	0.500ug/L
001007	BARIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<5.00	ug/L	5.00ug/L
001012	BERYLLIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.0500	ug/L	0.0500ug/L
001027	CADMIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.0500	ug/L	0.0500ug/L
001034	CHROMIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.500	ug/L	0.500ug/L
001037	COBALT	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.500	ug/L	0.500ug/L
001042	COPPER	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.250	ug/L	0.250ug/L
001045	IRON	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<2.50	ug/L	2.50ug/L
001051	LEAD	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.250	ug/L	0.250ug/L
001067	NICKEL	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.500	ug/L	0.500ug/L
001147	SELENIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.500	ug/L	0.500ug/L
001077	SILVER	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.0500	ug/L	0.0500ug/L
000929	SODIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.0320	mg/L	0.0320mg/L
001059	THALLIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.0500	ug/L	0.0500ug/L
001087	VANADIUM	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<0.500	ug/L	0.500ug/L
001092	ZINC	E	No	EPA 6020B	8/8/2019 12:58:00 PM	<2.50	ug/L	2.50ug/L
071900	MERCURY	E	No	EPA 7470A	8/1/2019 9:23:00 AM	<0.0230	ug/L	0.0230ug/L
070300	TOTAL DISSOLVED SOLIDS	E	No	SM 2540C-2011	8/1/2019 7:33:00 PM	<10	mg/L	10mg/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Sampling Date/Time: 7/23/2019**
**Facility WACS #: SWD/09/39859**
**Report Period: SECOND SEMIANNUAL 2019**
**Test Site ID #:**
**Well Purged:**
**Well Name: TRIP1 (AC04883-07)**
**Well Type:** [ ] Background [ ] Intermediate  
[ ] Compliance [ ] Water Supply  
[ ] Detection [ ] Piezometer  
[ ] Assessment [ ] Leachate  
[X] Other [ ] Surface Water

**Classification of Ground Water:**
**Ground Water Elevation (NGVD):**

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
049263	(E)-1,4-DICHLORO-2-BUTENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE		No	EPA 8260D	7/30/2019 6:18:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE		No	EPA 8260D	7/30/2019 6:18:00 PM	<10	ug/L	10ug/L
034215	ACRYLONITRILE		No	EPA 8260D	7/30/2019 6:18:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE		No	EPA 8260D	7/30/2019 6:18:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES		No	EPA 8260D	7/30/2019 6:18:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE		No	EPA 8260D	7/30/2019 6:18:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.60	ug/L	0.60ug/L

\* Attach Laboratory Reports

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: TRIP1 (AC04883-07)**

**Classification of Ground Water:**

**Ground Water Elevation (NGVD):**

**Sampling Date/Time: 7/23/2019**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged:**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039175	VINYL CHLORIDE		No	EPA 8260D	7/30/2019 6:18:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES		No	EPA 8260D	7/30/2019 6:18:00 PM	<1.3	ug/L	1.3ug/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Sampling Date/Time: 7/25/2019**
**Facility WACS #: SWD/09/39859**
**Report Period: SECOND SEMIANNUAL 2019**
**Test Site ID #:**
**Well Purged:**
**Well Name: TRIP2 (AC05472-07)**
**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

**Classification of Ground Water:**
**Ground Water Elevation (NGVD):**

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
049263	(E)-1,4-DICHLORO-2-BUTENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE		No	EPA 8260D	8/2/2019 5:24:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE		No	EPA 8260D	8/2/2019 5:24:00 PM	<10	ug/L	10ug/L
034215	ACRYLONITRILE		No	EPA 8260D	8/2/2019 5:24:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE		No	EPA 8260D	8/2/2019 5:24:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES		No	EPA 8260D	8/2/2019 5:24:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE		No	EPA 8260D	8/2/2019 5:24:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.60	ug/L	0.60ug/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: TRIP2 (AC05472-07)**

**Classification of Ground Water:**

**Ground Water Elevation (NGVD):**

**Sampling Date/Time: 7/25/2019**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged:**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039175	VINYL CHLORIDE		No	EPA 8260D	8/2/2019 5:24:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES		No	EPA 8260D	8/2/2019 5:24:00 PM	<1.3	ug/L	1.3ug/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**
**Sampling Date/Time: 7/29/2019**
**Facility WACS #: SWD/09/39859**
**Report Period: SECOND SEMIANNUAL 2019**
**Test Site ID #:**
**Well Purged:**
**Well Name: TRIP3 (AC05516-06)**
**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

**Classification of Ground Water:**
**Ground Water Elevation (NGVD):**

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
049263	(E)-1,4-DICHLORO-2-BUTENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.94	ug/L	0.94ug/L
077443	1,2,3-TRICHLOROPROPANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.64	ug/L	0.64ug/L
034536	1,2-DICHLOROBENZENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.80	ug/L	0.80ug/L
034571	1,4-DICHLOROBENZENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.76	ug/L	0.76ug/L
077103	2-HEXANONE		No	EPA 8260D	8/7/2019 3:37:00 PM	<1.4	ug/L	1.4ug/L
078133	4-METHYL-2-PENTANONE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.79	ug/L	0.79ug/L
081552	ACETONE		No	EPA 8260D	8/7/2019 3:37:00 PM	<10	ug/L	10ug/L
034215	ACRYLONITRILE		No	EPA 8260D	8/7/2019 3:37:00 PM	<3.2	ug/L	3.2ug/L
034030	BENZENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE (METHYL BROMIDE)		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE		No	EPA 8260D	8/7/2019 3:37:00 PM	<2.6	ug/L	2.6ug/L
032102	CARBON TETRACHLORIDE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE (METHYL CHLORIDE)		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.82	ug/L	0.82ug/L
077093	CIS-1,2-DICHLOROETHENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.44	ug/L	0.44ug/L
077596	DIBROMOMETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.84	ug/L	0.84ug/L
034423	DICHLOROMETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<2.0	ug/L	2.0ug/L
034371	ETHYLBENZENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.69	ug/L	0.69ug/L
085795	M&P- XYLENES		No	EPA 8260D	8/7/2019 3:37:00 PM	<1.3	ug/L	1.3ug/L
081595	METHYL ETHYL KETONE		No	EPA 8260D	8/7/2019 3:37:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.72	ug/L	0.72ug/L
077135	O-XYLENES		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.53	ug/L	0.53ug/L
077128	STYRENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.60	ug/L	0.60ug/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility WACS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: TRIP3 (AC05516-06)**

**Classification of Ground Water:**

**Ground Water Elevation (NGVD):**

**Sampling Date/Time: 7/29/2019**

**Report Period: SECOND SEMIANNUAL 2019**

**Well Purged:**

**Well Type:** [ ] Background [ ] Intermediate  
 [ ] Compliance [ ] Water Supply  
 [ ] Detection [ ] Piezometer  
 [ ] Assessment [ ] Leachate  
 [X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039175	VINYL CHLORIDE		No	EPA 8260D	8/7/2019 3:37:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES		No	EPA 8260D	8/7/2019 3:37:00 PM	<1.3	ug/L	1.3ug/L

**ATTACHMENT 5**

**ORIGINAL LABORATORY DATA INCLUDING  
CHAIN-OF-CUSTODY FORMS**





# ENCO Laboratories

*Accurate. Timely. Responsive. Innovative.*

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

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Wednesday, August 7, 2019

Jones Edmunds & Associates, Inc. (JO006)

Attn: Elizabeth Kennelley

730 N.E.Waldo Road Bldg.A

Gainesville, FL 32641

**RE: Laboratory Results for**

**Project Number: 03860-069-01, Project Name/Desc: Citrus Co. LF**

**ENCO Workorder(s): AC04883**

Dear Elizabeth Kennelley,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, July 24, 2019.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

David Camacho

Project Manager

Enclosure(s)





**SAMPLE DETECTION SUMMARY**

<b>Client ID: MW-17</b>		<b>Lab ID: AC04883-01</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Ammonia as N	0.63		0.0098	0.020	mg/L	EPA 350.1	
Arsenic - Total	5.56	I	5.00	10.0	ug/L	EPA 6020B	J
Chloride	7.1		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	104.46				Ft	Field	
Dissolved Oxygen	0.26		0	0	mg/L	Field	
pH	5.72				pH Units	Field	
Sodium - Total	2.49		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	230		0	0	umhos/cm	Field	
Temperature	24.6		0	0	°C	Field	
Total Dissolved Solids	100		10	10	mg/L	SM 2540C-2011	
Turbidity	1.68		0	0	NTU	Field	
Water Elevation	6.39				Ft	Field	

<b>Client ID: MW-17</b>		<b>Lab ID: AC04883-01RE1</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Iron - Total	39100	V	250	500	ug/L	EPA 6020B	D, B

<b>Client ID: MW-15</b>		<b>Lab ID: AC04883-02</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Ammonia as N	0.073		0.0098	0.020	mg/L	EPA 350.1	
Chloride	3.6	I	0.29	5.0	mg/L	EPA 300.0	J
cis-1,2-Dichloroethene	1.5		0.53	1.0	ug/L	EPA 8260D	
Depth to Water	116.96				Ft	Field	
Dissolved Oxygen	0.28		0	0	mg/L	Field	
Iron - Total	8230	V	25.0	50.0	ug/L	EPA 6020B	B
Oxidation/Reduction Potential	63.1		-999	-999	mV	Field	
pH	5.00				pH Units	Field	
Silver - Total	1.08		0.500	1.00	ug/L	EPA 6020B	
Sodium - Total	2.39		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	53		0	0	umhos/cm	Field	
Temperature	23.6		0	0	°C	Field	
Total Dissolved Solids	30		10	10	mg/L	SM 2540C-2011	
Turbidity	2.70		0	0	NTU	Field	
Water Elevation	6.62				Ft	Field	

<b>Client ID: MW-14</b>		<b>Lab ID: AC04883-03</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Chloride	6.3		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	102.19				Ft	Field	
Dissolved Oxygen	0.98		0	0	mg/L	Field	
Iron - Total	52.3	V	25.0	50.0	ug/L	EPA 6020B	B
Mercury - Total	0.0270	I	0.0230	0.200	ug/L	EPA 7470A	J
Nitrate as N	0.29	I	0.052	1.0	mg/L	EPA 300.0	J
Oxidation/Reduction Potential	87.7		-999	-999	mV	Field	
pH	6.94				pH Units	Field	
Sodium - Total	3.31		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	506		0	0	umhos/cm	Field	
Temperature	24.4		0	0	°C	Field	
Total Dissolved Solids	280		10	10	mg/L	SM 2540C-2011	
Turbidity	3.98		0	0	NTU	Field	
Water Elevation	6.31				Ft	Field	

**SAMPLE DETECTION SUMMARY**

<b>Client ID: MW-13</b>		<b>Lab ID: AC04883-04</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
1,4-Dichlorobenzene	1.2		0.76	1.0	ug/L	EPA 8260D	
Chloride	7.1		0.29	5.0	mg/L	EPA 300.0	
cis-1,2-Dichloroethene	0.90	I	0.53	1.0	ug/L	EPA 8260D	J
Depth to Water	105.52				Ft	Field	
Dissolved Oxygen	0.31		0	0	mg/L	Field	
Iron - Total	2800	V	25.0	50.0	ug/L	EPA 6020B	B
Mercury - Total	0.0257	I	0.0230	0.200	ug/L	EPA 7470A	J
Oxidation/Reduction Potential	76.3		-999	-999	mV	Field	
pH	5.34				pH Units	Field	
Sodium - Total	2.68		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	70		0	0	umhos/cm	Field	
Temperature	24.1		0	0	°C	Field	
Total Dissolved Solids	54		10	10	mg/L	SM 2540C-2011	
Turbidity	3.11		0	0	NTU	Field	
Water Elevation	6.40				Ft	Field	

<b>Client ID: MW-12</b>		<b>Lab ID: AC04883-05</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Ammonia as N	0.41		0.0098	0.020	mg/L	EPA 350.1	
Chloride	7.3		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	97.05				Ft	Field	
Dissolved Oxygen	0.13		0	0	mg/L	Field	
Iron - Total	2870	V	25.0	50.0	ug/L	EPA 6020B	B
pH	6.89				pH Units	Field	
Sodium - Total	3.20		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	537		0	0	umhos/cm	Field	
Temperature	24.5		0	0	°C	Field	
Total Dissolved Solids	310		10	10	mg/L	SM 2540C-2011	
Turbidity	1.03		0	0	NTU	Field	
Water Elevation	6.31				Ft	Field	

<b>Client ID: MW-11</b>		<b>Lab ID: AC04883-06</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Chloride	8.6		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	98.43				Ft	Field	
Dissolved Oxygen	0.62		0	0	mg/L	Field	
Iron - Total	31.8	IV	25.0	50.0	ug/L	EPA 6020B	J, B
Nitrate as N	0.97	I	0.052	1.0	mg/L	EPA 300.0	J
Oxidation/Reduction Potential	60.6		-999	-999	mV	Field	
pH	6.97				pH Units	Field	
Sodium - Total	4.18		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	511		0	0	umhos/cm	Field	
Temperature	23.9		0	0	°C	Field	
Thallium - Total	0.806	I	0.500	1.00	ug/L	EPA 6020B	J
Total Dissolved Solids	300		10	10	mg/L	SM 2540C-2011	
Turbidity	1.59		0	0	NTU	Field	
Water Elevation	6.26				Ft	Field	

**ANALYTICAL RESULTS**

**Description:** MW-17  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-01  
**Sampled:** 07/23/19 11:01  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 15:18	KKW	U

**ANALYTICAL RESULTS**

**Description:** MW-17  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-01  
**Sampled:** 07/23/19 11:01  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	53	1	50.0	106 %	41-142	9G30014	EPA 8260D	07/30/19 15:18	KKW	
Dibromofluoromethane	52	1	50.0	104 %	53-146	9G30014	EPA 8260D	07/30/19 15:18	KKW	
Toluene-d8	52	1	50.0	104 %	41-146	9G30014	EPA 8260D	07/30/19 15:18	KKW	

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29001	EPA 8011	07/29/19 11:34	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29001	EPA 8011	07/29/19 11:34	RGG	U
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
1,1,1,2-Tetrachloroethane	0.27	1	0.250	110 %	70-130	9G29001	EPA 8011	07/29/19 11:34	RGG		

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G26031	EPA 7470A	07/29/19 09:04	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
<b>Arsenic [7440-38-2]</b>	<b>5.56</b>	I	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	J
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
<b>Iron [7439-89-6]</b>	<b>39100</b>	V	ug/L	10	250	500	9G31005	EPA 6020B	08/05/19 16:34	JMA	D, B
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
<b>Sodium [7440-23-5]</b>	<b>2.49</b>		mg/L	1	0.320	1.00	9G31005	EPA 6020B	08/05/19 16:15	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/06/19 11:11	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 16:15	JMA	U



**ANALYTICAL RESULTS**

**Description:** MW-17  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-01  
**Sampled:** 07/23/19 11:01  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.63		mg/L	1	0.0098	0.020	9G31019	EPA 350.1	07/31/19 12:42	KGonz	
Chloride [16887-00-6]^	7.1		mg/L	1	0.29	5.0	9G24016	EPA 300.0	07/24/19 20:00	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G24016	EPA 300.0	07/24/19 20:00	S1R	U
Total Dissolved Solids^	100		mg/L	1	10	10	9G26040	SM 2540C-2011	07/29/19 21:36	AH	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	104.46		Ft	1			9G31021	Field	07/23/19 11:01	DMC	
Dissolved Oxygen	0.26		mg/L	1	0	0	9G31021	Field	07/23/19 11:01	DMC	
Oxidation/Reduction Potential	-4.2		mV	1	-999	-999	9G31021	Field	07/23/19 11:01	DMC	
pH	5.72		pH Units	1			9G31021	Field	07/23/19 11:01	DMC	
Specific Conductance (EC)	230		umhos/cm	1	0	0	9G31021	Field	07/23/19 11:01	DMC	
Temperature	24.6		°C	1	0	0	9G31021	Field	07/23/19 11:01	DMC	
Turbidity	1.68		NTU	1	0	0	9G31021	Field	07/23/19 11:01	DMC	
Water Elevation	6.39		Ft	1			9G31021	Field	07/23/19 11:01	DMC	



**ANALYTICAL RESULTS**

**Description:** MW-15  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-02  
**Sampled:** 07/23/19 12:05  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
<b>cis-1,2-Dichloroethene [156-59-2]^</b>	<b>1.5</b>		ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 15:48	KKW	U





### ANALYTICAL RESULTS

**Description:** MW-15  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-02  
**Sampled:** 07/23/19 12:05  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.073		mg/L	1	0.0098	0.020	9G31019	EPA 350.1	07/31/19 12:43	KGonz	
Chloride [16887-00-6]^	3.6	I	mg/L	1	0.29	5.0	9G24035	EPA 300.0	07/25/19 10:47	S1R	J
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G24035	EPA 300.0	07/25/19 10:47	S1R	U
Total Dissolved Solids^	30		mg/L	1	10	10	9G26040	SM 2540C-2011	07/29/19 21:36	AH	

### Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	116.96		Ft	1			9G31021	Field	07/23/19 12:05	DMC	
Dissolved Oxygen	0.28		mg/L	1	0	0	9G31021	Field	07/23/19 12:05	DMC	
Oxidation/Reduction Potential	63.1		mV	1	-999	-999	9G31021	Field	07/23/19 12:05	DMC	
pH	5.00		pH Units	1			9G31021	Field	07/23/19 12:05	DMC	
Specific Conductance (EC)	53		umhos/cm	1	0	0	9G31021	Field	07/23/19 12:05	DMC	
Temperature	23.6		°C	1	0	0	9G31021	Field	07/23/19 12:05	DMC	
Turbidity	2.70		NTU	1	0	0	9G31021	Field	07/23/19 12:05	DMC	
Water Elevation	6.62		Ft	1			9G31021	Field	07/23/19 12:05	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-14  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-03  
**Sampled:** 07/23/19 13:18  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 16:18	KKW	U

**ANALYTICAL RESULTS**

**Description:** MW-14  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-03  
**Sampled:** 07/23/19 13:18  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	54	1	50.0	108 %	41-142	9G30014	EPA 8260D	07/30/19 16:18	KKW	
Dibromofluoromethane	53	1	50.0	105 %	53-146	9G30014	EPA 8260D	07/30/19 16:18	KKW	
Toluene-d8	53	1	50.0	106 %	41-146	9G30014	EPA 8260D	07/30/19 16:18	KKW	

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29001	EPA 8011	07/29/19 12:06	RGJ	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29001	EPA 8011	07/29/19 12:06	RGJ	U

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,1,1,2-Tetrachloroethane	0.28	1	0.250	114 %	70-130	9G29001	EPA 8011	07/29/19 12:06	RGJ	

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6]^	0.0270	I	ug/L	1	0.0230	0.200	9G26031	EPA 7470A	07/29/19 09:10	CRG	J

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
<b>Iron [7439-89-6]</b>	<b>52.3</b>	V	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	B
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
<b>Sodium [7440-23-5]</b>	<b>3.31</b>		mg/L	1	0.320	1.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 17:08	JMA	U



**ANALYTICAL RESULTS**

**Description:** MW-14  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-03  
**Sampled:** 07/23/19 13:18  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31019	EPA 350.1	07/31/19 12:44	KGonz	U
Chloride [16887-00-6]^	<b>6.3</b>		mg/L	1	0.29	5.0	9G24035	EPA 300.0	07/25/19 11:18	S1R	
Nitrate as N [14797-55-8]^	<b>0.29</b>	I	mg/L	1	0.052	1.0	9G24035	EPA 300.0	07/25/19 11:18	S1R	J
Total Dissolved Solids^	<b>280</b>		mg/L	1	10	10	9G26040	SM 2540C-2011	07/29/19 21:36	AH	

**Field Parameters**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Depth to Water	<b>102.19</b>		Ft	1			9G31021	Field	07/23/19 13:18	DMC	
Dissolved Oxygen	<b>0.98</b>		mg/L	1	0	0	9G31021	Field	07/23/19 13:18	DMC	
Oxidation/Reduction Potential	<b>87.7</b>		mV	1	-999	-999	9G31021	Field	07/23/19 13:18	DMC	
pH	<b>6.94</b>		pH Units	1			9G31021	Field	07/23/19 13:18	DMC	
Specific Conductance (EC)	<b>506</b>		umhos/cm	1	0	0	9G31021	Field	07/23/19 13:18	DMC	
Temperature	<b>24.4</b>		°C	1	0	0	9G31021	Field	07/23/19 13:18	DMC	
Turbidity	<b>3.98</b>		NTU	1	0	0	9G31021	Field	07/23/19 13:18	DMC	
Water Elevation	<b>6.31</b>		Ft	1			9G31021	Field	07/23/19 13:18	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-13  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-04  
**Sampled:** 07/23/19 14:30  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
<b>1,4-Dichlorobenzene [106-46-7]^</b>	<b>1.2</b>		ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
<b>cis-1,2-Dichloroethene [156-59-2]^</b>	<b>0.90</b>	I	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	J
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 16:48	KKW	U







**ANALYTICAL RESULTS**

**Description:** MW-13  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-04  
**Sampled:** 07/23/19 14:30  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31019	EPA 350.1	07/31/19 12:45	KGonz	U
Chloride [16887-00-6]^	<b>7.1</b>		mg/L	1	0.29	5.0	9G24035	EPA 300.0	07/25/19 13:54	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G24035	EPA 300.0	07/25/19 13:54	S1R	U
Total Dissolved Solids^	<b>54</b>		mg/L	1	10	10	9G26040	SM 2540C-2011	07/29/19 21:36	AH	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	<b>105.52</b>		Ft	1			9G31021	Field	07/23/19 14:30	DMC	
Dissolved Oxygen	<b>0.31</b>		mg/L	1	0	0	9G31021	Field	07/23/19 14:30	DMC	
Oxidation/Reduction Potential	<b>76.3</b>		mV	1	-999	-999	9G31021	Field	07/23/19 14:30	DMC	
pH	<b>5.34</b>		pH Units	1			9G31021	Field	07/23/19 14:30	DMC	
Specific Conductance (EC)	<b>70</b>		umhos/cm	1	0	0	9G31021	Field	07/23/19 14:30	DMC	
Temperature	<b>24.1</b>		°C	1	0	0	9G31021	Field	07/23/19 14:30	DMC	
Turbidity	<b>3.11</b>		NTU	1	0	0	9G31021	Field	07/23/19 14:30	DMC	
Water Elevation	<b>6.40</b>		Ft	1			9G31021	Field	07/23/19 14:30	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-12  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-05  
**Sampled:** 07/23/19 15:13  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 17:18	KKW	U

**ANALYTICAL RESULTS**

**Description:** MW-12  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-05  
**Sampled:** 07/23/19 15:13  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	52	1	50.0	104 %	41-142	9G30014	EPA 8260D	07/30/19 17:18	KKW	
Dibromofluoromethane	51	1	50.0	103 %	53-146	9G30014	EPA 8260D	07/30/19 17:18	KKW	
Toluene-d8	52	1	50.0	104 %	41-146	9G30014	EPA 8260D	07/30/19 17:18	KKW	

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29001	EPA 8011	07/29/19 12:37	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29001	EPA 8011	07/29/19 12:37	RGG	U
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
1,1,1,2-Tetrachloroethane	0.26	1	0.250	106 %	70-130	9G29001	EPA 8011	07/29/19 12:37	RGG		

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G26031	EPA 7470A	07/29/19 09:16	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
<b>Iron [7439-89-6]</b>	<b>2870</b>	V	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	B
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
<b>Sodium [7440-23-5]</b>	<b>3.20</b>		mg/L	1	0.320	1.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 17:16	JMA	U



**ANALYTICAL RESULTS**

**Description:** MW-12  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-05  
**Sampled:** 07/23/19 15:13  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.41		mg/L	1	0.0098	0.020	9G31019	EPA 350.1	07/31/19 12:46	KGonz	
Chloride [16887-00-6]^	7.3		mg/L	1	0.29	5.0	9G24035	EPA 300.0	07/25/19 11:33	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G24035	EPA 300.0	07/25/19 11:33	S1R	U
Total Dissolved Solids^	310		mg/L	1	10	10	9G26040	SM 2540C-2011	07/29/19 21:36	AH	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	97.05		Ft	1			9G31021	Field	07/23/19 15:13	DMC	
Dissolved Oxygen	0.13		mg/L	1	0	0	9G31021	Field	07/23/19 15:13	DMC	
Oxidation/Reduction Potential	-86.9		mV	1	-999	-999	9G31021	Field	07/23/19 15:13	DMC	
pH	6.89		pH Units	1			9G31021	Field	07/23/19 15:13	DMC	
Specific Conductance (EC)	537		umhos/cm	1	0	0	9G31021	Field	07/23/19 15:13	DMC	
Temperature	24.5		°C	1	0	0	9G31021	Field	07/23/19 15:13	DMC	
Turbidity	1.03		NTU	1	0	0	9G31021	Field	07/23/19 15:13	DMC	
Water Elevation	6.31		Ft	1			9G31021	Field	07/23/19 15:13	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-11  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-06  
**Sampled:** 07/23/19 16:15  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 17:48	KKW	U

**ANALYTICAL RESULTS**

<b>Description:</b> MW-11	<b>Lab Sample ID:</b> AC04883-06	<b>Received:</b> 07/24/19 12:30
<b>Matrix:</b> Ground Water	<b>Sampled:</b> 07/23/19 16:15	<b>Work Order:</b> AC04883
<b>Project:</b> Citrus Co. LF	<b>Sampled By:</b> steve Messick	

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	52	1	50.0	104 %	41-142	9G30014	EPA 8260D	07/30/19 17:48	KKW	
Dibromofluoromethane	54	1	50.0	108 %	53-146	9G30014	EPA 8260D	07/30/19 17:48	KKW	
Toluene-d8	52	1	50.0	104 %	41-146	9G30014	EPA 8260D	07/30/19 17:48	KKW	

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29001	EPA 8011	07/29/19 12:53	RG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29001	EPA 8011	07/29/19 12:53	RG	U

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,1,1,2-Tetrachloroethane	0.28	1	0.250	113 %	70-130	9G29001	EPA 8011	07/29/19 12:53	RG	

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G26031	EPA 7470A	07/29/19 10:02	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
<b>Iron [7439-89-6]</b>	<b>31.8</b>	IV	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	J, B
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
<b>Sodium [7440-23-5]</b>	<b>4.18</b>		mg/L	1	0.320	1.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	
<b>Thallium [7440-28-0]</b>	<b>0.806</b>	I	ug/L	1	0.500	1.00	9G31005	EPA 6020B	08/05/19 17:19	JMA	J
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9G31005	EPA 6020B	08/05/19 17:19	JMA	U



**ANALYTICAL RESULTS**

**Description:** MW-11  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC04883-06  
**Sampled:** 07/23/19 16:15  
**Sampled By:** steve Messick

**Received:** 07/24/19 12:30  
**Work Order:** AC04883

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31019	EPA 350.1	07/31/19 12:48	KGonz	U
Chloride [16887-00-6]^	<b>8.6</b>		mg/L	1	0.29	5.0	9G24035	EPA 300.0	07/25/19 14:56	S1R	
Nitrate as N [14797-55-8]^	<b>0.97</b>	I	mg/L	1	0.052	1.0	9G24035	EPA 300.0	07/25/19 14:56	S1R	J
Total Dissolved Solids^	<b>300</b>		mg/L	1	10	10	9G26040	SM 2540C-2011	07/29/19 21:36	AH	

**Field Parameters**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Depth to Water	<b>98.43</b>		Ft	1			9G31021	Field	07/23/19 16:15	DMC	
Dissolved Oxygen	<b>0.62</b>		mg/L	1	0	0	9G31021	Field	07/23/19 16:15	DMC	
Oxidation/Reduction Potential	<b>60.6</b>		mV	1	-999	-999	9G31021	Field	07/23/19 16:15	DMC	
pH	<b>6.97</b>		pH Units	1			9G31021	Field	07/23/19 16:15	DMC	
Specific Conductance (EC)	<b>511</b>		umhos/cm	1	0	0	9G31021	Field	07/23/19 16:15	DMC	
Temperature	<b>23.9</b>		°C	1	0	0	9G31021	Field	07/23/19 16:15	DMC	
Turbidity	<b>1.59</b>		NTU	1	0	0	9G31021	Field	07/23/19 16:15	DMC	
Water Elevation	<b>6.26</b>		Ft	1			9G31021	Field	07/23/19 16:15	DMC	

**ANALYTICAL RESULTS**

**Description:** TRIP BLANK 1

**Lab Sample ID:** AC04883-07

**Received:** 07/24/19 12:30

**Matrix:** Water

**Sampled:** 07/23/19 00:00

**Work Order:** AC04883

**Project:** Citrus Co. LF

**Sampled By:** ENCO ORL

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9G30014	EPA 8260D	07/30/19 18:18	KKW	U





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### ANALYTICAL RESULTS

**Description:** TRIP BLANK 1

**Lab Sample ID:** AC04883-07

**Received:** 07/24/19 12:30

**Matrix:** Water

**Sampled:** 07/23/19 00:00

**Work Order:** AC04883

**Project:** Citrus Co. LF

**Sampled By:** ENCO ORL

### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	50	1	50.0	100 %	41-142	9G30014	EPA 8260D	07/30/19 18:18	KKW	
Dibromofluoromethane	51	1	50.0	103 %	53-146	9G30014	EPA 8260D	07/30/19 18:18	KKW	
Toluene-d8	52	1	50.0	103 %	41-146	9G30014	EPA 8260D	07/30/19 18:18	KKW	

**QUALITY CONTROL DATA**

**Volatile Organic Compounds by GCMS - Quality Control**

*Batch 9G30014 - EPA 5030B\_MS*

**Blank (9G30014-BLK1)**

Prepared: 07/30/2019 00:00 Analyzed: 07/30/2019 11:18

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							U
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							U
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							U
1,1-Dichloroethane	0.62	U	1.0	ug/L							U
1,1-Dichloroethene	0.94	U	1.0	ug/L							U
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							U
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							U
1,2-Dichloroethane	0.63	U	1.0	ug/L							U
1,2-Dichloropropane	0.80	U	1.0	ug/L							U
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							U
2-Butanone	4.5	U	5.0	ug/L							U
2-Hexanone	1.4	U	5.0	ug/L							U
4-Methyl-2-pentanone	0.79	U	5.0	ug/L							U
Acetone	10	U	20	ug/L							U
Acrylonitrile	3.2	U	10	ug/L							U
Benzene	0.71	U	1.0	ug/L							U
Bromochloromethane	0.94	U	1.0	ug/L							U
Bromodichloromethane	0.52	U	1.0	ug/L							U
Bromoform	0.75	U	1.0	ug/L							U
Bromomethane	0.95	U	1.0	ug/L							U
Carbon disulfide	2.6	U	5.0	ug/L							U
Carbon tetrachloride	0.94	U	1.0	ug/L							U
Chlorobenzene	0.72	U	1.0	ug/L							U
Chloroethane	0.98	U	1.0	ug/L							U
Chloroform	0.80	U	1.0	ug/L							U
Chloromethane	0.82	U	1.0	ug/L							U
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							U
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							U
Dibromochloromethane	0.44	U	1.0	ug/L							U
Dibromomethane	0.84	U	1.0	ug/L							U
Ethylbenzene	0.69	U	1.0	ug/L							U
Iodomethane	0.72	U	5.0	ug/L							U
m,p-Xylenes	1.3	U	2.0	ug/L							U
Methylene chloride	2.0	U	5.0	ug/L							U
o-Xylene	0.53	U	1.0	ug/L							U
Styrene	0.61	U	1.0	ug/L							U
Tetrachloroethene	0.76	U	1.0	ug/L							U
Toluene	0.72	U	1.0	ug/L							U
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							U
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							U
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							U
Trichloroethene	0.89	U	1.0	ug/L							U
Trichlorofluoromethane	0.94	U	1.0	ug/L							U
Vinyl acetate	0.60	U	5.0	ug/L							U
Vinyl chloride	0.71	U	1.0	ug/L							U
Xylenes (Total)	1.3	U	2.0	ug/L							U
<i>4-Bromofluorobenzene</i>	<i>50</i>			<i>ug/L</i>	<i>50.0</i>		<i>100</i>	<i>41-142</i>			
<i>Dibromofluoromethane</i>	<i>52</i>			<i>ug/L</i>	<i>50.0</i>		<i>104</i>	<i>53-146</i>			

**QUALITY CONTROL DATA**

**Volatile Organic Compounds by GCMS - Quality Control**

*Batch 9G30014 - EPA 5030B\_MS - Continued*

**Blank (9G30014-BLK1) Continued**

Prepared: 07/30/2019 00:00 Analyzed: 07/30/2019 11:18

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene-d8	50			ug/L	50.0		100	41-146			

**LCS (9G30014-BS1)**

Prepared: 07/30/2019 00:00 Analyzed: 07/30/2019 10:06

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	47-139			
Benzene	15		1.0	ug/L	20.0		77	56-136			
Chlorobenzene	19		1.0	ug/L	20.0		96	51-139			
Toluene	20		1.0	ug/L	20.0		100	64-131			
Trichloroethene	21		1.0	ug/L	20.0		105	62-135			
4-Bromofluorobenzene	52			ug/L	50.0		104	41-142			
Dibromofluoromethane	53			ug/L	50.0		107	53-146			
Toluene-d8	52			ug/L	50.0		105	41-146			

**Matrix Spike (9G30014-MS1)**

Prepared: 07/30/2019 00:00 Analyzed: 07/30/2019 13:18

Source: AC05408-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	2600		100	ug/L	2000	94 U	132	47-139			
Benzene	2200		100	ug/L	2000	71 U	112	56-136			
Chlorobenzene	2100		100	ug/L	2000	72 U	104	51-139			
Toluene	2100		100	ug/L	2000	72 U	107	64-131			
Trichloroethene	2200		100	ug/L	2000	89 U	108	62-135			
4-Bromofluorobenzene	5100			ug/L	5000		101	41-142			
Dibromofluoromethane	5400			ug/L	5000		108	53-146			
Toluene-d8	5200			ug/L	5000		105	41-146			

**Matrix Spike Dup (9G30014-MSD1)**

Prepared: 07/30/2019 00:00 Analyzed: 07/30/2019 13:48

Source: AC05408-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	2500		100	ug/L	2000	94 U	123	47-139	7	16	
Benzene	2100		100	ug/L	2000	71 U	104	56-136	8	14	
Chlorobenzene	2100		100	ug/L	2000	72 U	104	51-139	0.7	13	
Toluene	2200		100	ug/L	2000	72 U	108	64-131	0.7	16	
Trichloroethene	2100		100	ug/L	2000	89 U	105	62-135	3	20	
4-Bromofluorobenzene	5200			ug/L	5000		103	41-142			
Dibromofluoromethane	5200			ug/L	5000		105	53-146			
Toluene-d8	5200			ug/L	5000		103	41-146			

**Semivolatile Organic Compounds by GC - Quality Control**

*Batch 9G29001 - EPA 504/8011*

**Blank (9G29001-BLK1)**

Prepared: 07/29/2019 05:30 Analyzed: 07/29/2019 08:42

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							U
1,2-Dibromoethane	0.004	U	0.020	ug/L							U

**QUALITY CONTROL DATA**

**Semivolatile Organic Compounds by GC - Quality Control**

**Batch 9G29001 - EPA 504/8011 - Continued**

**Blank (9G29001-BLK1) Continued**

Prepared: 07/29/2019 05:30 Analyzed: 07/29/2019 08:42

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.28			ug/L	0.250		111	70-130			

**LCS (9G29001-BS1)**

Prepared: 07/29/2019 05:30 Analyzed: 07/29/2019 08:58

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.24		0.020	ug/L	0.250		96	61-139			
1,2-Dibromoethane	0.26		0.020	ug/L	0.250		106	65-133			
1,1,1,2-Tetrachloroethane	0.28			ug/L	0.250		113	70-130			

**Matrix Spike (9G29001-MS1)**

Prepared: 07/29/2019 05:30 Analyzed: 07/29/2019 09:13

Source: AC05459-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250	0.012 U	100	61-139			
1,2-Dibromoethane	0.28		0.020	ug/L	0.250	0.004 U	111	65-133			
1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		110	70-130			

**Matrix Spike Dup (9G29001-MSD1)**

Prepared: 07/29/2019 05:30 Analyzed: 07/29/2019 09:29

Source: AC05459-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250	0.012 U	101	61-139	2	12	
1,2-Dibromoethane	0.27		0.020	ug/L	0.250	0.004 U	107	65-133	4	17	
1,1,1,2-Tetrachloroethane	0.28			ug/L	0.250		112	70-130			

**Metals by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9G26031 - EPA 7470A**

**Blank (9G26031-BLK1)**

Prepared: 07/26/2019 15:03 Analyzed: 07/29/2019 08:48

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**LCS (9G26031-BS1)**

Prepared: 07/26/2019 15:03 Analyzed: 07/29/2019 08:51

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.99		0.200	ug/L	5.00		100	80-120			

**Matrix Spike (9G26031-MS1)**

Prepared: 07/26/2019 15:03 Analyzed: 07/29/2019 08:57

Source: AC05411-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.46		0.200	ug/L	5.00	0.0230 U	89	75-125			

**Matrix Spike Dup (9G26031-MSD1)**

Prepared: 07/26/2019 15:03 Analyzed: 07/29/2019 09:00

Source: AC05411-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.46		0.200	ug/L	5.00	0.0230 U	89	75-125	0.1	20	



QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9G31005 - EPA 3005A

Blank (9G31005-BLK1)

Prepared: 07/31/2019 08:19 Analyzed: 08/05/2019 16:03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							U
Arsenic	5.00	U	10.0	ug/L							U
Barium	50.0	U	100	ug/L							U
Beryllium	0.500	U	1.00	ug/L							U
Cadmium	0.500	U	3.00	ug/L							U
Chromium	5.00	U	10.0	ug/L							U
Cobalt	5.00	U	10.0	ug/L							U
Copper	2.50	U	10.0	ug/L							U
Iron	25.0	U	50.0	ug/L							U
Lead	2.50	U	5.00	ug/L							U
Nickel	5.00	U	10.0	ug/L							U
Selenium	5.00	U	10.0	ug/L							U
Silver	0.500	U	1.00	ug/L							U
Sodium	0.500	U	1.00	mg/L							U
Vanadium	5.00	U	10.0	ug/L							U
Zinc	25.0	U	50.0	ug/L							U

Blank (9G31005-BLK2)

Prepared: 07/31/2019 08:19 Analyzed: 08/05/2019 16:07

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.250	U	0.500	ug/L							U
Arsenic	0.500	U	1.00	ug/L							U
Barium	5.00	U	10.0	ug/L							U
Beryllium	0.0500	U	0.100	ug/L							U
Cadmium	0.0500	U	0.300	ug/L							U
Chromium	0.500	U	1.00	ug/L							U
Cobalt	0.500	U	1.00	ug/L							U
Copper	0.250	U	1.00	ug/L							U
Iron	2.50	U	5.00	ug/L							U
Lead	0.250	U	0.500	ug/L							U
Nickel	0.500	U	1.00	ug/L							U
Selenium	0.500	U	1.00	ug/L							U
Silver	0.0500	U	0.100	ug/L							U
Sodium	0.0500	U	0.100	mg/L							U
Vanadium	0.500	U	1.00	ug/L							U
Zinc	2.50	U	5.00	ug/L							U

Blank (9G31005-BLK3)

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							U
Arsenic	5.00	U	10.0	ug/L							U
Barium	50.0	U	100	ug/L							U
Beryllium	0.500	U	1.00	ug/L							U
Cadmium	0.500	U	3.00	ug/L							U
Chromium	5.00	U	10.0	ug/L							U
Cobalt	5.00	U	10.0	ug/L							U
Copper	2.50	U	10.0	ug/L							U
<b>Iron</b>	<b>74.6</b>		50.0	ug/L							

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G31005 - EPA 3005A - Continued*

**Blank (9G31005-BLK3) Continued**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:00

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Lead	2.50	U	5.00	ug/L							U
Nickel	5.00	U	10.0	ug/L							U
Selenium	5.00	U	10.0	ug/L							U
Silver	0.500	U	1.00	ug/L							U
Sodium	0.500	U	1.00	mg/L							U
Thallium	0.500	U	1.00	ug/L							U
Vanadium	5.00	U	10.0	ug/L							U
Zinc	25.0	U	50.0	ug/L							U

**Blank (9G31005-BLK4)**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:03

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	0.250	U	0.500	ug/L							U
Arsenic	0.500	U	1.00	ug/L							U
Barium	5.00	U	10.0	ug/L							U
Beryllium	0.0500	U	0.100	ug/L							U
Cadmium	0.0500	U	0.300	ug/L							U
Chromium	0.500	U	1.00	ug/L							U
Cobalt	0.500	U	1.00	ug/L							U
Copper	0.250	U	1.00	ug/L							U
<b>Iron</b>	<b>5.76</b>		5.00	ug/L							
Lead	0.250	U	0.500	ug/L							U
Nickel	0.500	U	1.00	ug/L							U
Selenium	0.500	U	1.00	ug/L							U
Silver	0.0500	U	0.100	ug/L							U
Sodium	0.0500	U	0.100	mg/L							U
Thallium	0.0500	U	0.100	ug/L							U
Vanadium	0.500	U	1.00	ug/L							U
Zinc	2.50	U	5.00	ug/L							U

**LCS (9G31005-BS1)**

Prepared: 07/31/2019 08:19 Analyzed: 08/05/2019 16:11

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	49.3		5.00	ug/L	50.0		99	80-120			
Arsenic	470		10.0	ug/L	500		94	80-120			
Barium	495		100	ug/L	500		99	80-120			
Beryllium	49.8		1.00	ug/L	50.0		100	80-120			
Cadmium	48.4		3.00	ug/L	50.0		97	80-120			
Chromium	512		10.0	ug/L	500		102	80-120			
Cobalt	503		10.0	ug/L	500		101	80-120			
Copper	501		10.0	ug/L	500		100	80-120			
Iron	1020		50.0	ug/L	1000		102	80-120			B
Lead	502		5.00	ug/L	500		100	80-120			
Nickel	501		10.0	ug/L	500		100	80-120			
Selenium	467		10.0	ug/L	500		93	80-120			
Silver	49.9		1.00	ug/L	50.0		100	80-120			
Sodium	25.6		1.00	mg/L	25.0		102	80-120			
Vanadium	496		10.0	ug/L	500		99	80-120			
Zinc	477		50.0	ug/L	500		95	80-120			

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G31005 - EPA 3005A - Continued*

**LCS (9G31005-BS2)**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:07

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	49.2		5.00	ug/L	50.0		98	80-120			
Arsenic	476		10.0	ug/L	500		95	80-120			
Barium	506		100	ug/L	500		101	80-120			
Beryllium	49.0		1.00	ug/L	50.0		98	80-120			
Cadmium	48.8		3.00	ug/L	50.0		98	80-120			
Chromium	520		10.0	ug/L	500		104	80-120			
Cobalt	503		10.0	ug/L	500		101	80-120			
Copper	509		10.0	ug/L	500		102	80-120			
Iron	1080		50.0	ug/L	1000		108	80-120			B
Lead	504		5.00	ug/L	500		101	80-120			
Nickel	505		10.0	ug/L	500		101	80-120			
Selenium	470		10.0	ug/L	500		94	80-120			
Silver	50.5		1.00	ug/L	50.0		101	80-120			
Sodium	25.5		1.00	mg/L	25.0		102	80-120			
Thallium	50.8		1.00	ug/L	50.0		102	80-120			
Vanadium	504		10.0	ug/L	500		101	80-120			
Zinc	475		50.0	ug/L	500		95	80-120			

**Matrix Spike (9G31005-MS1)**

Prepared: 07/31/2019 08:19 Analyzed: 08/05/2019 16:18

Source: AC04883-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	49.5		5.00	ug/L	50.0	2.50 U	99	75-125			
Arsenic	484		10.0	ug/L	500	5.56	96	75-125			
Barium	500		100	ug/L	500	50.0 U	100	75-125			
Beryllium	46.9		1.00	ug/L	50.0	0.500 U	94	75-125			
Cadmium	48.9		3.00	ug/L	50.0	0.500 U	98	75-125			
Chromium	506		10.0	ug/L	500	5.00 U	101	75-125			
Cobalt	508		10.0	ug/L	500	5.00 U	102	75-125			
Copper	495		10.0	ug/L	500	2.50 U	99	75-125			
Iron	39900	L	50.0	ug/L	1000	39100	82	75-125			B, E
Lead	497		5.00	ug/L	500	2.50 U	99	75-125			
Nickel	499		10.0	ug/L	500	5.00 U	100	75-125			
Selenium	472		10.0	ug/L	500	5.00 U	94	75-125			
Silver	50.3		1.00	ug/L	50.0	0.500 U	101	75-125			
Sodium	28.0		1.00	mg/L	25.0	2.49	102	75-125			
Vanadium	498		10.0	ug/L	500	5.00 U	100	75-125			
Zinc	475		50.0	ug/L	500	25.0 U	95	75-125			

**Matrix Spike (9G31005-MS2)**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:15

Source: AC04883-01RE1

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	50.3		5.00	ug/L	50.0	2.50 U	101	75-125			
Arsenic	487		10.0	ug/L	500	5.56	96	75-125			
Barium	516		100	ug/L	500	50.0 U	103	75-125			
Beryllium	48.9		1.00	ug/L	50.0	0.500 U	98	75-125			
Cadmium	49.0		3.00	ug/L	50.0	0.500 U	98	75-125			
Chromium	509		10.0	ug/L	500	5.00 U	102	75-125			
Cobalt	499		10.0	ug/L	500	5.00 U	100	75-125			
Copper	492		10.0	ug/L	500	2.50 U	98	75-125			

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G31005 - EPA 3005A - Continued*

**Matrix Spike (9G31005-MS2) Continued**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:15

Source: AC04883-01RE1

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Iron	39900	L	50.0	ug/L	1000	39100	75	75-125			B, E
Lead	496		5.00	ug/L	500	2.50 U	99	75-125			
Nickel	501		10.0	ug/L	500	5.00 U	100	75-125			
Selenium	472		10.0	ug/L	500	5.00 U	94	75-125			
Silver	50.5		1.00	ug/L	50.0	0.500 U	101	75-125			
Sodium	27.7		1.00	mg/L	25.0	2.49	101	75-125			
Thallium	50.0		1.00	ug/L	50.0	0.500 U	100	75-125			
Vanadium	508		10.0	ug/L	500	5.00 U	102	75-125			
Zinc	471		50.0	ug/L	500	25.0 U	94	75-125			

**Matrix Spike Dup (9G31005-MSD1)**

Prepared: 07/31/2019 08:19 Analyzed: 08/05/2019 16:22

Source: AC04883-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	48.7		5.00	ug/L	50.0	2.50 U	97	75-125	2	20	
Arsenic	485		10.0	ug/L	500	5.56	96	75-125	0.2	20	
Barium	500		100	ug/L	500	50.0 U	100	75-125	0.009	20	
Beryllium	48.7		1.00	ug/L	50.0	0.500 U	97	75-125	4	20	
Cadmium	48.7		3.00	ug/L	50.0	0.500 U	97	75-125	0.4	20	
Chromium	505		10.0	ug/L	500	5.00 U	101	75-125	0.3	20	
Cobalt	503		10.0	ug/L	500	5.00 U	101	75-125	1	20	
Copper	486		10.0	ug/L	500	2.50 U	97	75-125	2	20	
Iron	39300	L	50.0	ug/L	1000	39100	20	75-125	2	20	B, E
Lead	499		5.00	ug/L	500	2.50 U	100	75-125	0.3	20	
Nickel	493		10.0	ug/L	500	5.00 U	99	75-125	1	20	
Selenium	464		10.0	ug/L	500	5.00 U	93	75-125	2	20	
Silver	49.8		1.00	ug/L	50.0	0.500 U	100	75-125	1	20	
Sodium	27.9		1.00	mg/L	25.0	2.49	102	75-125	0.1	20	
Vanadium	496		10.0	ug/L	500	5.00 U	99	75-125	0.5	20	
Zinc	468		50.0	ug/L	500	25.0 U	94	75-125	2	20	

**Matrix Spike Dup (9G31005-MSD2)**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:19

Source: AC04883-01RE1

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	49.4		5.00	ug/L	50.0	2.50 U	99	75-125	2	20	
Arsenic	485		10.0	ug/L	500	5.56	96	75-125	0.4	20	
Barium	507		100	ug/L	500	50.0 U	101	75-125	2	20	
Beryllium	48.8		1.00	ug/L	50.0	0.500 U	98	75-125	0.2	20	
Cadmium	48.4		3.00	ug/L	50.0	0.500 U	97	75-125	1	20	
Chromium	510		10.0	ug/L	500	5.00 U	102	75-125	0.2	20	
Cobalt	506		10.0	ug/L	500	5.00 U	101	75-125	1	20	
Copper	496		10.0	ug/L	500	2.50 U	99	75-125	1	20	
Iron	40000	L	50.0	ug/L	1000	39100	90	75-125	0.4	20	B, E
Lead	507		5.00	ug/L	500	2.50 U	101	75-125	2	20	
Nickel	498		10.0	ug/L	500	5.00 U	100	75-125	0.6	20	
Selenium	467		10.0	ug/L	500	5.00 U	93	75-125	0.9	20	
Silver	50.1		1.00	ug/L	50.0	0.500 U	100	75-125	0.7	20	
Sodium	28.0		1.00	mg/L	25.0	2.49	102	75-125	1	20	
Thallium	50.5		1.00	ug/L	50.0	0.500 U	101	75-125	1	20	
Vanadium	508		10.0	ug/L	500	5.00 U	102	75-125	0.08	20	



**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9G31005 - EPA 3005A - Continued**

**Matrix Spike Dup (9G31005-MSD2) Continued**

Prepared: 07/31/2019 08:19 Analyzed: 08/06/2019 11:19

Source: AC04883-01RE1

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	474		50.0	ug/L	500	25.0 U	95	75-125	0.7	20	

**Post Spike (9G31005-PS2)**

Prepared: 08/06/2019 09:40 Analyzed: 08/06/2019 11:26

Source: AC04883-01RE1

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	4.91		0.500	ug/L	4.90	-0.00966	100	75-125			
Arsenic	50.5		1.00	ug/L	49.0	0.545	102	75-125			
Barium	51.3		10.0	ug/L	49.0	-1.89	105	75-125			
Beryllium	4.91		0.100	ug/L	4.90	-0.0101	100	75-125			
Cadmium	4.87		0.300	ug/L	4.90	-0.00871	99	75-125			
Chromium	51.4		1.00	ug/L	49.0	-0.0360	105	75-125			
Copper	49.4		1.00	ug/L	49.0	-0.0193	101	75-125			
Iron	3940	L	5.00	ug/L	98.0	3840	105	75-125			B, E
Lead	49.6		0.500	ug/L	49.0	-0.145	101	75-125			
Selenium	47.2		1.00	ug/L	49.0	-0.0669	96	75-125			
Silver	4.90		0.100	ug/L	4.90	0.00153	100	75-125			
Sodium	2780		100	ug/L	2450	244	104	75-125			
Thallium	4.98		0.100	ug/L	4.90	-0.00219	102	75-125			
Vanadium	50.8		1.00	ug/L	49.0	-0.0167	104	75-125			
Zinc	47.6		5.00	ug/L	49.0	0.0428	97	75-125			

**Batch AA55840 - 9H01003**

**Serial Dilution (AA55840-SRD1)**

Prepared: 07/31/2019 10:44 Analyzed: 08/06/2019 11:22

Source: AC04883-01RE1

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Thallium	2.50	U	5.00	ug/L		2.50 U					U

**Serial Dilution (AA55840-SRD2)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 13:05

Source: AC05472-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.761		0.500	ug/L		0.354					
Arsenic	6.86		1.00	ug/L		4.57					
Barium	-13.6	U	10.0	ug/L		7.03					U
Beryllium	0.726		0.100	ug/L		0.248					
Cadmium	0.485		0.300	ug/L		0.165					
Chromium	0.707		1.00	ug/L		1.86					
Copper	4.13		1.00	ug/L		3.26			24		
Iron	5590		250	ug/L		5650			1		
Lead	12.5	U	25.0	ug/L		12.5 U					U
Selenium	25.0	U	50.0	ug/L		25.0 U					U
Silver	2.50	U	5.00	ug/L		2.50 U					U
Sodium	3.68	I	5.00	mg/L		2.44			41		
Thallium	2.50	U	5.00	ug/L		2.50 U					U
Vanadium	25.0	U	50.0	ug/L		25.0 U					U
Zinc	125	U	250	ug/L		125 U					U

**Classical Chemistry Parameters - Quality Control**

**Batch 9G24016 - NO PREP**

**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

**Blank (9G24016-BLK1)**

Prepared: 07/24/2019 10:54 Analyzed: 07/24/2019 12:44

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							U
Nitrate as N	0.052	U	1.0	mg/L							U

**LCS (9G24016-BS1)**

Prepared: 07/24/2019 10:54 Analyzed: 07/24/2019 13:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0		96	90-110			
Nitrate as N	25		1.0	mg/L	25.0		100	90-110			

**Matrix Spike (9G24016-MS1)**

Prepared: 07/24/2019 10:54 Analyzed: 07/24/2019 16:38

Source: AC05372-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	52		5.0	mg/L	50.0	2.8	99	90-110			
Nitrate as N	26		1.0	mg/L	25.0	1.2	101	90-110			

**Matrix Spike (9G24016-MS2)**

Prepared: 07/24/2019 10:54 Analyzed: 07/24/2019 17:24

Source: AC05372-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	60		5.0	mg/L	50.0	8.1	103	90-110			
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	100	90-110			

**Matrix Spike Dup (9G24016-MSD1)**

Prepared: 07/24/2019 10:54 Analyzed: 07/24/2019 16:53

Source: AC05372-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	53		5.0	mg/L	50.0	2.8	101	90-110	2	10	
Nitrate as N	27		1.0	mg/L	25.0	1.2	101	90-110	0.4	10	

**Matrix Spike Dup (9G24016-MSD2)**

Prepared: 07/24/2019 10:54 Analyzed: 07/24/2019 17:40

Source: AC05372-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	60		5.0	mg/L	50.0	8.1	104	90-110	0.3	10	
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	100	90-110	0.5	10	

**Batch 9G24035 - NO PREP**

**Blank (9G24035-BLK1)**

Prepared: 07/24/2019 20:00 Analyzed: 07/25/2019 00:48

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							U
Nitrate as N	0.052	U	1.0	mg/L							U

**LCS (9G24035-BS1)**

Prepared: 07/24/2019 20:00 Analyzed: 07/25/2019 01:05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49		5.0	mg/L	50.0		98	90-110			
Nitrate as N	25		1.0	mg/L	25.0		100	90-110			

**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

**Batch 9G24035 - NO PREP - Continued**

**Matrix Spike (9G24035-MS1)**

Prepared: 07/24/2019 20:00 Analyzed: 07/25/2019 14:25

Source: AC04883-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	3.6	101	90-110			
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	101	90-110			

**Matrix Spike (9G24035-MS2)**

Prepared: 07/24/2019 20:00 Analyzed: 07/25/2019 15:59

Source: AC05411-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0	3.3	94	90-110			
Nitrate as N	26		1.0	mg/L	25.0	0.29	102	90-110			

**Matrix Spike Dup (9G24035-MSD1)**

Prepared: 07/24/2019 20:00 Analyzed: 07/25/2019 14:41

Source: AC04883-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	56		5.0	mg/L	50.0	3.6	104	90-110	3	10	
Nitrate as N	26		1.0	mg/L	25.0	0.052 U	104	90-110	2	10	

**Matrix Spike Dup (9G24035-MSD2)**

Prepared: 07/24/2019 20:00 Analyzed: 07/25/2019 16:14

Source: AC05411-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	3.3	103	90-110	8	10	
Nitrate as N	26		1.0	mg/L	25.0	0.29	102	90-110	0.6	10	

**Batch 9G26040 - NO PREP**

**Blank (9G26040-BLK1)**

Prepared: 07/26/2019 16:30 Analyzed: 07/29/2019 21:36

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							U

**LCS (9G26040-BS1)**

Prepared: 07/26/2019 16:30 Analyzed: 07/29/2019 21:36

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	960		10	mg/L	1000		96	90-110			

**Duplicate (9G26040-DUP1)**

Prepared: 07/26/2019 16:30 Analyzed: 07/29/2019 21:36

Source: AC04846-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	170		10	mg/L		170			2	20	

**Batch 9G31019 - NO PREP**

**Blank (9G31019-BLK1)**

Prepared: 07/31/2019 11:35 Analyzed: 07/31/2019 12:39

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.0098	U	0.020	mg/L							U

**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

*Batch 9G31019 - NO PREP - Continued*

**LCS (9G31019-BS1)**

Prepared: 07/31/2019 11:35 Analyzed: 07/31/2019 12:41

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	0.96		0.020	mg/L	1.00		96	90-110			

**Matrix Spike (9G31019-MS1)**

Prepared: 07/31/2019 11:35 Analyzed: 07/31/2019 12:59

Source: AC05442-03

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.0		0.020	mg/L	1.00	0.0098 U	103	90-110			

**Matrix Spike (9G31019-MS2)**

Prepared: 07/31/2019 11:35 Analyzed: 07/31/2019 13:09

Source: AC05446-03

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.1		0.020	mg/L	1.00	0.014	105	90-110			

**Matrix Spike Dup (9G31019-MSD1)**

Prepared: 07/31/2019 11:35 Analyzed: 07/31/2019 13:01

Source: AC05442-03

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.0		0.020	mg/L	1.00	0.0098 U	103	90-110	0	10	

**FLAGS/NOTES AND DEFINITIONS**

- PQL** PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
- B** Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
- I** The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
- J** Estimated value.
- K** Off-scale low; Actual value is known to be less than the value given.
- L** Off-scale high; Actual value is known to be greater than value given.
- M** Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
- N** Presumptive evidence of presence of material.
- O** Sampled, but analysis lost or not performed.
- Q** Sample exceeded the accepted holding time.
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
- U** Indicates that the compound was analyzed for but not detected.
- V** Indicates that the analyte was detected in both the sample and the associated method blank.
- Y** The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
- Z** Too many colonies were present (TNTC); the numeric value represents the filtration volume.
- ?** Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
- \*** Not reported due to interference.
- [CALC]** Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
- E** The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- QM-07** The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.



**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

10775 Central Port Dr.  
Orlando, FL 32824  
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111  
Jacksonville, FL 32216-6069  
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.  
Cary, NC 27511  
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name <b>Jones Edmunds &amp; Associates, Inc. (JQ006)</b>		Project Number <b>03860-069-01</b>		Requested Analyses								Requested Turnaround Times				
Address <b>730 N.E.Waldo Road Bldg.A</b>		Project Name/Desc <b>Citrus Co. LF</b>		8011	8260D Appendix 1 FL	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Ni, Pb, Sp, Se, Ti, V, Zn, Hg	Ag, As, F, Ba, F, Be, F, Cd, F, Co, F, Cr, F, Cu, F, Fe, F, Ni, F, N, F, Pb, F, Se, F, Sn, F, S, F, Tl, F, V, F, Zn, F, Hg, F	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	82800 (Benzene, Methylene Chloride, Vinyl Chloride)	Note: Rush requests subject to acceptance by the facility			
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info											<input checked="" type="checkbox"/> Standard		<input type="checkbox"/> Expedited	
Tel <b>(352) 377-5821</b>		Reporting Contact <b>Elizabeth Kennelley</b>											Due <u>   </u> / <u>   </u> / <u>   </u>		Lab Workorder	
Fax <b>(352) 377-3166</b>		Billing Contact <b>Accounts Payable</b>											<b>AC04883</b>			
Sampler(s) Name, Affiliation (Print) <b>Steve Messick, Jones Edmunds &amp; Assoc.</b>		Site Location / Time Zone <b>Lecanto, FL / EST</b>		Preservation (See Codes) (Combine as necessary)								Sample Comments				
Sampler(s) Signature <i>Steve Messick</i>																

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments
1	MW-17 (1952CC-12)	7/23/19	1101	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	MW-15 (1952CC-15)	↓	1205	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓		
3	MW-14 (1952CC-14)		1318	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓		
4	MW-13 (1952CC-13)		1430	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓		
5	MW-12 (1952CC-12)		1513	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓		
6	MW-11 (1952CC-11)		1615	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓		
7	TRIP Blank #1 (1952CC-TB1)		-	-	-	O	2	✓								QA/QC
← Total # of Containers																

Sample Kit Prepared By <b>ECC</b>	Date/Time <b>07/09/19 12:05</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>07/09/19 12:05</b>	Received By <i>Steve Messick</i>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <b>Samples shipped by Greyhound Bus Priority from Gainesville to Orlando, FL.</b>		Relinquished By <i>Steve Messick</i>	Date/Time <b>7/23/19 @ 1700</b>	Received By <i>Rosa Naval</i>	Date/Time <b>7/24/19 12:30</b>
	Cooler #'s & Temps on Receipt <b>C-1414 0.9°C</b>				Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Jones, Edmunds, and Associates, Inc.  
 Environmental Consultants  
 730 NE Waldo Road  
 Gainesville, Florida 32641  
 (352) 377-5821 Fax (352) 377-3166

Please return a copy of this  
 form with original lab report.

Collection Method:	Description:
BA	BAILER
BP	BLADDER PUMP
CP	CENTRIFUGAL PUMP
E	GRAB
M	METER READING
PP	PERISTALTIC PUMP
SP	SUBMERSIBLE OR IN-PLACE DEDICATED PUMP
Z	UNKNOWN

\* Initial Depth to Water at Time of Sampling

### Field Data Information Form

Project Name: Citrus County - Central Class I Landfill  
 Project Number: 03860-069-01  
 Date: 7/23/19  
 Sampler: Steve Messick  
 Laboratory: ENCO Lab - Orlando, Florida

Sampling Station	Date	Time	pH (S. U.)	Temp (Deg C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Static Depth to Water *	Collection Method
mw-17	7/23/19	1101	5.72	24.6	230	0.26	1.68	-4.2	104.46	SP
mw-15		1205	5.00	23.6	53	0.28	2.70	63.1	116.26	SP
mw-14		1318	6.94	24.4	506	0.98	3.98	87.7	102.19	SP
mw-13		1430	5.34	24.1	70	0.31	3.11	76.3	105.52	SP
mw-12		1513	6.89	24.5	537	0.13	1.03	-86.9	97.05	SP
mw-11	Y	1615	6.97	23.9	511	0.62	1.59	60.6	98.43	SP

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY



# ENCO Laboratories

*Accurate. Timely. Responsive. Innovative.*

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

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Thursday, August 8, 2019

Jones Edmunds & Associates, Inc. (JO006)

Attn: Elizabeth Kennelley

730 N.E.Waldo Road Bldg.A

Gainesville, FL 32641

**RE: Laboratory Results for**

**Project Number: 03860-069-01, Project Name/Desc: Citrus Co. LF**

**ENCO Workorder(s): AC05472**

Dear Elizabeth Kennelley,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, July 26, 2019.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

David Camacho

Project Manager

Enclosure(s)





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**SAMPLE SUMMARY/LABORATORY CHRONICLE**

<b>Client ID: MW-3</b>		<b>Lab ID: AC05472-01</b>			<b>Sampled: 07/25/19 09:33</b>		<b>Received: 07/26/19 12:45</b>	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>		
EPA 300.0	NA	07/27/19	09:33	07/26/19	11:15	07/26/19	18:31	
EPA 300.0	NA	08/22/19		07/26/19	11:15	07/26/19	18:31	
EPA 350.1	Same	08/22/19		07/31/19	11:38	07/31/19	13:35	
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	13:49	
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:39	
EPA 8011	EPA 504/8011	08/08/19		07/29/19	05:33	07/29/19	18:24	
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	11:38	
Field	NO PREP	07/25/19	09:47	07/25/19	09:33	07/25/19	09:33	
Field	NO PREP	07/26/19	09:33	07/26/19	09:33	07/25/19	09:33	
Field	NO PREP	07/27/19	09:33	07/25/19	09:33	07/25/19	09:33	
SM 2540C-2011	NO PREP	08/01/19		07/29/19	16:12	07/30/19	20:32	

<b>Client ID: MW-7</b>		<b>Lab ID: AC05472-02</b>			<b>Sampled: 07/25/19 11:20</b>		<b>Received: 07/26/19 12:45</b>	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>		
EPA 300.0	NA	07/27/19	11:20	07/26/19	11:15	07/26/19	20:52	
EPA 300.0	NA	08/22/19		07/26/19	11:15	07/26/19	20:52	
EPA 350.1	Same	08/22/19		07/31/19	11:38	07/31/19	13:36	
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	13:52	
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:42	
EPA 8011	EPA 504/8011	08/08/19		07/29/19	05:33	07/29/19	18:40	
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	15:00	
Field	NO PREP	07/25/19	11:34	07/25/19	11:20	07/25/19	11:20	
Field	NO PREP	07/26/19	11:20	07/26/19	11:20	07/25/19	11:20	
Field	NO PREP	07/27/19	11:20	07/25/19	11:20	07/25/19	11:20	
SM 2540C-2011	NO PREP	08/01/19		07/29/19	16:12	07/30/19	20:32	

<b>Client ID: MW-20</b>		<b>Lab ID: AC05472-03</b>			<b>Sampled: 07/25/19 12:20</b>		<b>Received: 07/26/19 12:45</b>	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>		
EPA 300.0	NA	07/27/19	12:20	07/26/19	15:04	07/26/19	23:58	
EPA 300.0	NA	08/22/19		07/26/19	15:04	07/26/19	23:58	
EPA 350.1	Same	08/22/19		07/31/19	11:38	07/31/19	13:21	
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	13:56	
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:45	
EPA 8011	EPA 504/8011	08/08/19		07/29/19	05:33	07/29/19	18:55	
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	15:29	
Field	NO PREP	07/25/19	12:34	07/25/19	12:20	07/25/19	12:20	
Field	NO PREP	07/26/19	12:20	07/26/19	12:20	07/25/19	12:20	
Field	NO PREP	07/27/19	12:20	07/25/19	12:20	07/25/19	12:20	
SM 2540C-2011	NO PREP	08/01/19		07/29/19	16:12	07/30/19	20:32	

<b>Client ID: MW-20</b>		<b>Lab ID: AC05472-03RE1</b>			<b>Sampled: 07/25/19 12:20</b>		<b>Received: 07/26/19 12:45</b>	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>		
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	14:39	

**SAMPLE SUMMARY/LABORATORY CHRONICLE**

Client ID: MW-21		Lab ID: AC05472-04		Sampled: 07/25/19 14:06		Received: 07/26/19 12:45	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	07/27/19	14:06	07/26/19	15:04	07/27/19	01:47
EPA 300.0	NA	08/22/19		07/26/19	15:04	07/27/19	01:47
EPA 350.1	Same	08/22/19		07/31/19	11:38	07/31/19	13:37
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	12:54
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	13:37
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:48
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:51
EPA 8011	EPA 504/8011	08/08/19		07/29/19	05:33	07/29/19	19:11
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	15:58
Field	NO PREP	07/25/19	14:20	07/25/19	14:06	07/25/19	14:06
Field	NO PREP	07/26/19	14:06	07/26/19	14:06	07/25/19	14:06
Field	NO PREP	07/27/19	14:06	07/25/19	14:06	07/25/19	14:06
SM 2540C-2011	NO PREP	08/01/19		07/29/19	16:12	07/30/19	20:32

Client ID: MW-10		Lab ID: AC05472-05		Sampled: 07/25/19 15:02		Received: 07/26/19 12:45	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	07/27/19	15:02	07/26/19	15:04	07/27/19	04:23
EPA 300.0	NA	08/22/19		07/26/19	15:04	07/27/19	04:23
EPA 350.1	Same	08/22/19		07/31/19	11:38	07/31/19	13:38
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	13:41
EPA 6020B	EPA 3005A	01/21/20		08/01/19	10:47	08/06/19	13:45
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:54
EPA 7470A	EPA 7470A	08/22/19		07/30/19	13:23	07/31/19	09:57
EPA 8011	EPA 504/8011	08/08/19		07/29/19	05:33	07/29/19	19:27
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	16:26
Field	NO PREP	07/25/19	15:16	07/25/19	15:02	07/25/19	15:02
Field	NO PREP	07/26/19	15:02	07/26/19	15:02	07/25/19	15:02
Field	NO PREP	07/27/19	15:02	07/25/19	15:02	07/25/19	15:02
SM 2540C-2011	NO PREP	08/01/19		07/29/19	16:12	07/30/19	20:32

Client ID: MW-19		Lab ID: AC05472-06		Sampled: 07/25/19 16:18		Received: 07/26/19 12:45	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	08/22/19		07/26/19	15:04	07/27/19	06:59
EPA 350.1	Same	08/22/19		07/31/19	11:38	07/31/19	13:40
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	16:55
Field	NO PREP	07/25/19	16:32	07/25/19	16:18	07/25/19	16:18
Field	NO PREP	07/26/19	16:18	07/26/19	16:18	07/25/19	16:18
Field	NO PREP	07/27/19	16:18	07/25/19	16:18	07/25/19	16:18

Client ID: TRIP BLANK 2		Lab ID: AC05472-07		Sampled: 07/25/19 00:00		Received: 07/26/19 12:45	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260D	EPA 5030B_MS	08/08/19		08/02/19	00:00	08/02/19	17:24

**SAMPLE DETECTION SUMMARY**

<b>Client ID: MW-3</b>		<b>Lab ID: AC05472-01</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Chloride	9.2		0.29	5.0	mg/L	EPA 300.0	
Copper - Total	83.1		2.50	10.0	ug/L	EPA 6020B	
Depth to Water	111.80				Ft	Field	
Dissolved Oxygen	6.03		0	0	mg/L	Field	
Nitrate as N	9.3		0.052	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	285.1		-999	-999	mV	Field	
pH	4.70				pH Units	Field	
Sodium - Total	7.42		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	133		0	0	umhos/cm	Field	
Temperature	23.3		0	0	°C	Field	
Total Dissolved Solids	96		10	10	mg/L	SM 2540C-2011	
Turbidity	0.25		0	0	NTU	Field	
Water Elevation	8.51				Ft	Field	
Zinc - Total	63.9		25.0	50.0	ug/L	EPA 6020B	

<b>Client ID: MW-7</b>		<b>Lab ID: AC05472-02</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
1,4-Dichlorobenzene	9.8		0.76	1.0	ug/L	EPA 8260D	
Ammonia as N	0.021		0.0098	0.020	mg/L	EPA 350.1	
Arsenic - Total	9.59	I	5.00	10.0	ug/L	EPA 6020B	J
Benzene	5.0		0.71	1.0	ug/L	EPA 8260D	
Chloride	8.7		0.29	5.0	mg/L	EPA 300.0	
Chlorobenzene	2.7		0.72	1.0	ug/L	EPA 8260D	
cis-1,2-Dichloroethene	1.8		0.53	1.0	ug/L	EPA 8260D	
Copper - Total	8.05	I	2.50	10.0	ug/L	EPA 6020B	J
Depth to Water	120.77				Ft	Field	
Dissolved Oxygen	0.16		0	0	mg/L	Field	
Ethylbenzene	12		0.69	1.0	ug/L	EPA 8260D	
Iron - Total	1680		25.0	50.0	ug/L	EPA 6020B	
m,p-Xylenes	2.7		1.3	2.0	ug/L	EPA 8260D	
Nickel - Total	6.59	I	5.00	10.0	ug/L	EPA 6020B	J
Oxidation/Reduction Potential	21.7		-999	-999	mV	Field	
o-Xylene	1.1		0.53	1.0	ug/L	EPA 8260D	
pH	5.06				pH Units	Field	
Sodium - Total	9.47		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	100		0	0	umhos/cm	Field	
Temperature	25.3		0	0	°C	Field	
Toluene	1.3		0.72	1.0	ug/L	EPA 8260D	
Total Dissolved Solids	72		10	10	mg/L	SM 2540C-2011	
Turbidity	0.50		0	0	NTU	Field	
Vinyl chloride	1.1		0.71	1.0	ug/L	EPA 8260D	
Water Elevation	7.70				Ft	Field	
Xylenes (Total)	3.7		1.3	2.0	ug/L	EPA 8260D	
Zinc - Total	60.9		25.0	50.0	ug/L	EPA 6020B	

<b>Client ID: MW-20</b>		<b>Lab ID: AC05472-03</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Ammonia as N	0.88		0.0098	0.020	mg/L	EPA 350.1	QM-07
Arsenic - Total	9.70	I	5.00	10.0	ug/L	EPA 6020B	J
Chloride	60		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	112.48				Ft	Field	
Dissolved Oxygen	0.09		0	0	mg/L	Field	
pH	6.25				pH Units	Field	
Sodium - Total	13.7		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	787		0	0	umhos/cm	Field	
Temperature	25.4		0	0	°C	Field	
Total Dissolved Solids	320		10	10	mg/L	SM 2540C-2011	
Turbidity	1.97		0	0	NTU	Field	
Water Elevation	7.28				Ft	Field	

**SAMPLE DETECTION SUMMARY**

**Client ID: MW-20** **Lab ID: AC05472-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	131000		2500	5000	ug/L	EPA 6020B	D

**Client ID: MW-21** **Lab ID: AC05472-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dichlorobenzene	2.8		0.76	1.0	ug/L	EPA 8260D	
Ammonia as N Chloride	1.6		0.0098	0.020	mg/L	EPA 350.1	
	4.0	I	0.29	5.0	mg/L	EPA 300.0	J
Copper - Total	3.26	I	2.50	10.0	ug/L	EPA 6020B	J
Depth to Water	107.86				Ft	Field	
Dissolved Oxygen	0.11		0	0	mg/L	Field	
Iron - Total	5650		25.0	50.0	ug/L	EPA 6020B	
Iron - Dissolved	5610		25.0	50.0	ug/L	EPA 6020B	
Nickel - Total	9.01	I	5.00	10.0	ug/L	EPA 6020B	J
Nickel - Dissolved	8.13	I	5.00	10.0	ug/L	EPA 6020B	J
Oxidation/Reduction Potential	22.4		-999	-999	mV	Field	
pH	5.15				pH Units	Field	
Silver - Total	0.591	I	0.500	1.00	ug/L	EPA 6020B	J
Sodium - Total	2.44		0.320	1.00	mg/L	EPA 6020B	
Sodium - Dissolved	2.50		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	119		0	0	umhos/cm	Field	
Temperature	24.4		0	0	°C	Field	
Total Dissolved Solids	86		10	10	mg/L	SM 2540C-2011	
Turbidity	14.6		0	0	NTU	Field	
Water Elevation	7.77				Ft	Field	

**Client ID: MW-10** **Lab ID: AC05472-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dichlorobenzene	3.8		0.76	1.0	ug/L	EPA 8260D	
Barium - Total Chloride	222		50.0	100	ug/L	EPA 6020B	
	5.0		0.29	5.0	mg/L	EPA 300.0	QM-07, QM-12
Chromium - Total	12.2		5.00	10.0	ug/L	EPA 6020B	
cis-1,2-Dichloroethene	0.84	I	0.53	1.0	ug/L	EPA 8260D	J
Depth to Water	105.87				Ft	Field	
Dissolved Oxygen	0.35		0	0	mg/L	Field	
Iron - Total	4350		25.0	50.0	ug/L	EPA 6020B	
Iron - Dissolved	2510		25.0	50.0	ug/L	EPA 6020B	
Lead - Total	6.68		2.50	5.00	ug/L	EPA 6020B	
Oxidation/Reduction Potential	91.0		-999	-999	mV	Field	
pH	4.74				pH Units	Field	
Sodium - Total	4.53		0.320	1.00	mg/L	EPA 6020B	
Sodium - Dissolved	4.21		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	46		0	0	umhos/cm	Field	
Temperature	23.7		0	0	°C	Field	
Total Dissolved Solids	50		10	10	mg/L	SM 2540C-2011	
Turbidity	81.9		0	0	NTU	Field	
Water Elevation	7.50				Ft	Field	

**Client ID: MW-19** **Lab ID: AC05472-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Benzene	2.0		0.71	1.0	ug/L	EPA 8260D	
Chloride	6.4		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	105.89				Ft	Field	
Dissolved Oxygen	0.25		0	0	mg/L	Field	
Oxidation/Reduction Potential	11.2		-999	-999	mV	Field	
pH	5.66				pH Units	Field	
Specific Conductance (EC)	158		0	0	umhos/cm	Field	
Temperature	23.8		0	0	°C	Field	
Turbidity	2.50		0	0	NTU	Field	
Vinyl chloride	2.6		0.71	1.0	ug/L	EPA 8260D	
Water Elevation	7.61				Ft	Field	

**ANALYTICAL RESULTS**

**Description:** MW-3

**Lab Sample ID:** AC05472-01

**Received:** 07/26/19 12:45

**Matrix:** Ground Water

**Sampled:** 07/25/19 09:33

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** Steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-07, QM-11
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-07, QM-11
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-07, QM-11
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-07, QM-11
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QL-02, QM-11, QM-19, QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-07, QM-11
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-11
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 11:38	MJH	U, QM-07, QM-11



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ANALYTICAL RESULTS

Description: MW-3

Lab Sample ID: AC05472-01

Received: 07/26/19 12:45

Matrix: Ground Water

Sampled: 07/25/19 09:33

Work Order: AC05472

Project: Citrus Co. LF

Sampled By: Steve Messick

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Table with 12 columns: Analyte [CAS Number], Results, Flag, Units, DF, MDL, PQL, Batch, Method, Analyzed, By, Notes. Lists various compounds like Chloromethane, cis-1,2-Dichloroethene, etc.

Table with 12 columns: Surrogates, Results, DF, Spike Lvl, % Rec, % Rec Limits, Batch, Method, Analyzed, By, Notes. Lists 4-Bromofluorobenzene, Dibromofluoromethane, Toluene-d8.

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Table with 12 columns: Analyte [CAS Number], Results, Flag, Units, DF, MDL, PQL, Batch, Method, Analyzed, By, Notes.



### ANALYTICAL RESULTS

Description: MW-3

Lab Sample ID: AC05472-01

Received: 07/26/19 12:45

Matrix: Ground Water

Sampled: 07/25/19 09:33

Work Order: AC05472

Project: Citrus Co. LF

Sampled By: Steve Messick

### Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29002	EPA 8011	07/29/19 18:24	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29002	EPA 8011	07/29/19 18:24	RGG	U
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.28	1	0.250	110 %	70-130	9G29002	EPA 8011	07/29/19 18:24	RGG		

### Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:39	CRG	U

### Metals (total recoverable) by EPA 6000/7000 Series Methods

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
<b>Copper [7440-50-8]</b>	<b>83.1</b>		ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	
Iron [7439-89-6]	25.0	U	ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
<b>Sodium [7440-23-5]</b>	<b>7.42</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	U
<b>Zinc [7440-66-6]</b>	<b>63.9</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:49	JMA	

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:35	KGonz	U
Chloride [16887-00-6]^	9.2		mg/L	1	0.29	5.0	9G26013	EPA 300.0	07/26/19 18:31	SIR	
Nitrate as N [14797-55-8]^	9.3		mg/L	1	0.052	1.0	9G26013	EPA 300.0	07/26/19 18:31	SIR	
Total Dissolved Solids^	96		mg/L	1	10	10	9G29034	SM 2540C-2011	07/30/19 20:32	AH	



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### ANALYTICAL RESULTS

**Description:** MW-3

**Lab Sample ID:** AC05472-01

**Received:** 07/26/19 12:45

**Matrix:** Ground Water

**Sampled:** 07/25/19 09:33

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** Steve Messick

### Field Parameters

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Depth to Water	111.80		Ft	1			9H01018	Field	07/25/19 09:33	DMC	
Dissolved Oxygen	6.03		mg/L	1	0	0	9H01018	Field	07/25/19 09:33	DMC	
Oxidation/Reduction Potential	285.1		mV	1	-999	-999	9H01018	Field	07/25/19 09:33	DMC	
pH	4.70		pH Units	1			9H01018	Field	07/25/19 09:33	DMC	
Specific Conductance (EC)	133		umhos/cm	1	0	0	9H01018	Field	07/25/19 09:33	DMC	
Temperature	23.3		°C	1	0	0	9H01018	Field	07/25/19 09:33	DMC	
Turbidity	0.25		NTU	1	0	0	9H01018	Field	07/25/19 09:33	DMC	
Water Elevation	8.51		Ft	1			9H01018	Field	07/25/19 09:33	DMC	



**ANALYTICAL RESULTS**

**Description:** MW-7

**Lab Sample ID:** AC05472-02

**Received:** 07/26/19 12:45

**Matrix:** Ground Water

**Sampled:** 07/25/19 11:20

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** Steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>1,4-Dichlorobenzene [106-46-7]^</b>	<b>9.8</b>		ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H02012	EPA 8260D	08/02/19 15:00	MJH	U, QL-02, QV-01
<b>Benzene [71-43-2]^</b>	<b>5.0</b>		ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>Chlorobenzene [108-90-7]^</b>	<b>2.7</b>		ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>cis-1,2-Dichloroethene [156-59-2]^</b>	<b>1.8</b>		ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>Ethylbenzene [100-41-4]^</b>	<b>12</b>		ug/L	1	0.69	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>m,p-Xylenes [108-38-3/106-42-3]^</b>	<b>2.7</b>		ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>o-Xylene [95-47-6]^</b>	<b>1.1</b>		ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>Toluene [108-88-3]^</b>	<b>1.3</b>		ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	U
<b>Vinyl chloride [75-01-4]^</b>	<b>1.1</b>		ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	

**ANALYTICAL RESULTS**

**Description:** MW-7

**Lab Sample ID:** AC05472-02

**Received:** 07/26/19 12:45

**Matrix:** Ground Water

**Sampled:** 07/25/19 11:20

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** Steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Xylenes (Total) [1330-20-7]^</b>	<b>3.7</b>		ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 15:00	MJH	
<b>Surrogates</b>											
<i>4-Bromofluorobenzene</i>	54	1	50.0	109 %	41-142		9H02012	EPA 8260D	08/02/19 15:00	MJH	
<i>Dibromofluoromethane</i>	49	1	50.0	98 %	53-146		9H02012	EPA 8260D	08/02/19 15:00	MJH	
<i>Toluene-d8</i>	49	1	50.0	97 %	41-146		9H02012	EPA 8260D	08/02/19 15:00	MJH	

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29002	EPA 8011	07/29/19 18:40	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29002	EPA 8011	07/29/19 18:40	RGG	U
<b>Surrogates</b>											
<i>1,1,1,2-Tetrachloroethane</i>	0.29	1	0.250	117 %	70-130		9G29002	EPA 8011	07/29/19 18:40	RGG	

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:42	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
<b>Arsenic [7440-38-2]</b>	<b>9.59</b>	I	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	J
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
<b>Copper [7440-50-8]</b>	<b>8.05</b>	I	ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	J
<b>Iron [7439-89-6]</b>	<b>1680</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
<b>Nickel [7440-02-0]</b>	<b>6.59</b>	I	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	J
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
<b>Sodium [7440-23-5]</b>	<b>9.47</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	U
<b>Zinc [7440-66-6]</b>	<b>60.9</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:52	JMA	



### ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AC05472-02

Received: 07/26/19 12:45

Matrix: Ground Water

Sampled: 07/25/19 11:20

Work Order: AC05472

Project: Citrus Co. LF

Sampled By: Steve Messick

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.021		mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:36	KGonz	
Chloride [16887-00-6]^	8.7		mg/L	1	0.29	5.0	9G26013	EPA 300.0	07/26/19 20:52	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G26013	EPA 300.0	07/26/19 20:52	S1R	U
Total Dissolved Solids^	72		mg/L	1	10	10	9G29034	SM 2540C-2011	07/30/19 20:32	AH	

### Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	120.77		Ft	1			9H01018	Field	07/25/19 11:20	DMC	
Dissolved Oxygen	0.16		mg/L	1	0	0	9H01018	Field	07/25/19 11:20	DMC	
Oxidation/Reduction Potential	21.7		mV	1	-999	-999	9H01018	Field	07/25/19 11:20	DMC	
pH	5.06		pH Units	1			9H01018	Field	07/25/19 11:20	DMC	
Specific Conductance (EC)	100		umhos/cm	1	0	0	9H01018	Field	07/25/19 11:20	DMC	
Temperature	25.3		°C	1	0	0	9H01018	Field	07/25/19 11:20	DMC	
Turbidity	0.50		NTU	1	0	0	9H01018	Field	07/25/19 11:20	DMC	
Water Elevation	7.70		Ft	1			9H01018	Field	07/25/19 11:20	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-20  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-03  
**Sampled:** 07/25/19 12:20  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H02012	EPA 8260D	08/02/19 15:29	MJH	U, QL-02, QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U

**ANALYTICAL RESULTS**

**Description:** MW-20  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-03  
**Sampled:** 07/25/19 12:20  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 15:29	MJH	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	54	1	50.0	107 %	41-142	9H02012	EPA 8260D	08/02/19 15:29	MJH		
Dibromofluoromethane	49	1	50.0	97 %	53-146	9H02012	EPA 8260D	08/02/19 15:29	MJH		
Toluene-d8	49	1	50.0	97 %	41-146	9H02012	EPA 8260D	08/02/19 15:29	MJH		

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29002	EPA 8011	07/29/19 18:55	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29002	EPA 8011	07/29/19 18:55	RGG	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.27	1	0.250	107 %	70-130	9G29002	EPA 8011	07/29/19 18:55	RGG		

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:45	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
<b>Arsenic [7440-38-2]</b>	<b>9.70</b>	<b>I</b>	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	J
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
<b>Iron [7439-89-6]</b>	<b>131000</b>		ug/L	100	2500	5000	9H01003	EPA 6020B	08/06/19 14:39	JMA	D
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
<b>Sodium [7440-23-5]</b>	<b>13.7</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:56	JMA	U



### ANALYTICAL RESULTS

**Description:** MW-20  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-03  
**Sampled:** 07/25/19 12:20  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.88		mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:21	KGonz	QM-07
Chloride [16887-00-6]^	60		mg/L	1	0.29	5.0	9G26037	EPA 300.0	07/26/19 23:58	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G26037	EPA 300.0	07/26/19 23:58	S1R	U
Total Dissolved Solids^	320		mg/L	1	10	10	9G29034	SM 2540C-2011	07/30/19 20:32	AH	

### Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	112.48		Ft	1			9H01018	Field	07/25/19 12:20	DMC	
Dissolved Oxygen	0.09		mg/L	1	0	0	9H01018	Field	07/25/19 12:20	DMC	
Oxidation/Reduction Potential	-122.6		mV	1	-999	-999	9H01018	Field	07/25/19 12:20	DMC	
pH	6.25		pH Units	1			9H01018	Field	07/25/19 12:20	DMC	
Specific Conductance (EC)	787		umhos/cm	1	0	0	9H01018	Field	07/25/19 12:20	DMC	
Temperature	25.4		°C	1	0	0	9H01018	Field	07/25/19 12:20	DMC	
Turbidity	1.97		NTU	1	0	0	9H01018	Field	07/25/19 12:20	DMC	
Water Elevation	7.28		Ft	1			9H01018	Field	07/25/19 12:20	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-21  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-04  
**Sampled:** 07/25/19 14:06  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
<b>1,4-Dichlorobenzene [106-46-7]^</b>	<b>2.8</b>		ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H02012	EPA 8260D	08/02/19 15:58	MJH	QL-02, QV-01, U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U

**ANALYTICAL RESULTS**

**Description:** MW-21

**Lab Sample ID:** AC05472-04

**Received:** 07/26/19 12:45

**Matrix:** Ground Water

**Sampled:** 07/25/19 14:06

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** Steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 15:58	MJH	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	53	1	50.0	107 %	41-142	9H02012	EPA 8260D	08/02/19 15:58	MJH		
Dibromofluoromethane	48	1	50.0	97 %	53-146	9H02012	EPA 8260D	08/02/19 15:58	MJH		
Toluene-d8	49	1	50.0	99 %	41-146	9H02012	EPA 8260D	08/02/19 15:58	MJH		

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29002	EPA 8011	07/29/19 19:11	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29002	EPA 8011	07/29/19 19:11	RGG	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.28	1	0.250	112 %	70-130	9G29002	EPA 8011	07/29/19 19:11	RGG		

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:51	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
<b>Copper [7440-50-8]</b>	<b>3.26</b>	<b>I</b>	ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	J
<b>Iron [7439-89-6]</b>	<b>5650</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
<b>Nickel [7440-02-0]</b>	<b>9.01</b>	<b>I</b>	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	J
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
<b>Silver [7440-22-4]</b>	<b>0.591</b>	<b>I</b>	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	J
<b>Sodium [7440-23-5]</b>	<b>2.44</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 12:54	JMA	U





### ANALYTICAL RESULTS

**Description:** MW-21  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-04  
**Sampled:** 07/25/19 14:06  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

### Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
<b>Iron [7439-89-6]</b>	<b>5610</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:48	CRG	U
<b>Nickel [7440-02-0]</b>	<b>8.13</b>	I	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	J
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
<b>Sodium [7440-23-5]</b>	<b>2.50</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:37	JMA	U

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Ammonia as N [7664-41-7]^</b>	<b>1.6</b>		mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:37	KGonz	
<b>Chloride [16887-00-6]^</b>	<b>4.0</b>	I	mg/L	1	0.29	5.0	9G26037	EPA 300.0	07/27/19 01:47	S1R	J
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G26037	EPA 300.0	07/27/19 01:47	S1R	U
<b>Total Dissolved Solids^</b>	<b>86</b>		mg/L	1	10	10	9G29034	SM 2540C-2011	07/30/19 20:32	AH	

### Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Depth to Water</b>	<b>107.86</b>		Ft	1			9H01018	Field	07/25/19 14:06	DMC	
<b>Dissolved Oxygen</b>	<b>0.11</b>		mg/L	1	0	0	9H01018	Field	07/25/19 14:06	DMC	
<b>Oxidation/Reduction Potential</b>	<b>22.4</b>		mV	1	-999	-999	9H01018	Field	07/25/19 14:06	DMC	
<b>pH</b>	<b>5.15</b>		pH Units	1			9H01018	Field	07/25/19 14:06	DMC	
<b>Specific Conductance (EC)</b>	<b>119</b>		umhos/cm	1	0	0	9H01018	Field	07/25/19 14:06	DMC	
<b>Temperature</b>	<b>24.4</b>		°C	1	0	0	9H01018	Field	07/25/19 14:06	DMC	
<b>Turbidity</b>	<b>14.6</b>		NTU	1	0	0	9H01018	Field	07/25/19 14:06	DMC	
<b>Water Elevation</b>	<b>7.77</b>		Ft	1			9H01018	Field	07/25/19 14:06	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-10

**Lab Sample ID:** AC05472-05

**Received:** 07/26/19 12:45

**Matrix:** Ground Water

**Sampled:** 07/25/19 15:02

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** Steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
<b>1,4-Dichlorobenzene [106-46-7]^</b>	<b>3.8</b>		ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H02012	EPA 8260D	08/02/19 16:26	MJH	QL-02, U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
<b>cis-1,2-Dichloroethene [156-59-2]^</b>	<b>0.84</b>	I	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	J
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U

### ANALYTICAL RESULTS

<b>Description:</b> MW-10	<b>Lab Sample ID:</b> AC05472-05	<b>Received:</b> 07/26/19 12:45
<b>Matrix:</b> Ground Water	<b>Sampled:</b> 07/25/19 15:02	<b>Work Order:</b> AC05472
<b>Project:</b> Citrus Co. LF	<b>Sampled By:</b> Steve Messick	

#### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 16:26	MJH	U
 <b>Surrogates</b>											
<i>4-Bromofluorobenzene</i>	<i>55</i>	<i>1</i>	<i>50.0</i>	<i>110 %</i>	<i>41-142</i>		<i>9H02012</i>	<i>EPA 8260D</i>	<i>08/02/19 16:26</i>	<i>MJH</i>	
<i>Dibromofluoromethane</i>	<i>50</i>	<i>1</i>	<i>50.0</i>	<i>101 %</i>	<i>53-146</i>		<i>9H02012</i>	<i>EPA 8260D</i>	<i>08/02/19 16:26</i>	<i>MJH</i>	
<i>Toluene-d8</i>	<i>49</i>	<i>1</i>	<i>50.0</i>	<i>97 %</i>	<i>41-146</i>		<i>9H02012</i>	<i>EPA 8260D</i>	<i>08/02/19 16:26</i>	<i>MJH</i>	

#### Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9G29002	EPA 8011	07/29/19 19:27	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9G29002	EPA 8011	07/29/19 19:27	RGG	U
 <b>Surrogates</b>											
<i>1,1,1,2-Tetrachloroethane</i>	<i>0.27</i>	<i>1</i>	<i>0.250</i>	<i>108 %</i>	<i>70-130</i>		<i>9G29002</i>	<i>EPA 8011</i>	<i>07/29/19 19:27</i>	<i>RGG</i>	

#### Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:57	CRG	U

#### Metals (total recoverable) by EPA 6000/7000 Series Methods

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
<b>Barium [7440-39-3]</b>	<b>222</b>		ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 13:45	JMA	
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
<b>Chromium [7440-47-3]</b>	<b>12.2</b>		ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
<b>Iron [7439-89-6]</b>	<b>4350</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	
<b>Lead [7439-92-1]</b>	<b>6.68</b>		ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
<b>Sodium [7440-23-5]</b>	<b>4.53</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:45	JMA	U

**ANALYTICAL RESULTS**

**Description:** MW-10  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-05  
**Sampled:** 07/25/19 15:02  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

**Metals (Dissolved) by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
<b>Iron [7439-89-6]</b>	<b>2510</b>		ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G30021	EPA 7470A	07/31/19 09:54	CRG	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
<b>Sodium [7440-23-5]</b>	<b>4.21</b>		mg/L	1	0.320	1.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H01003	EPA 6020B	08/06/19 13:41	JMA	U

**Classical Chemistry Parameters**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:38	KGonz	U
<b>Chloride [16887-00-6]^</b>	<b>5.0</b>		mg/L	1	0.29	5.0	9G26037	EPA 300.0	07/27/19 04:23	S1R	QM-07, QM-12
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G26037	EPA 300.0	07/27/19 04:23	S1R	U
<b>Total Dissolved Solids^</b>	<b>50</b>		mg/L	1	10	10	9G29034	SM 2540C-2011	07/30/19 20:32	AH	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Depth to Water</b>	<b>105.87</b>		Ft	1			9H01018	Field	07/25/19 15:02	DMC	
<b>Dissolved Oxygen</b>	<b>0.35</b>		mg/L	1	0	0	9H01018	Field	07/25/19 15:02	DMC	
<b>Oxidation/Reduction Potential</b>	<b>91.0</b>		mV	1	-999	-999	9H01018	Field	07/25/19 15:02	DMC	
<b>pH</b>	<b>4.74</b>		pH Units	1			9H01018	Field	07/25/19 15:02	DMC	
<b>Specific Conductance (EC)</b>	<b>46</b>		umhos/cm	1	0	0	9H01018	Field	07/25/19 15:02	DMC	
<b>Temperature</b>	<b>23.7</b>		°C	1	0	0	9H01018	Field	07/25/19 15:02	DMC	
<b>Turbidity</b>	<b>81.9</b>		NTU	1	0	0	9H01018	Field	07/25/19 15:02	DMC	
<b>Water Elevation</b>	<b>7.50</b>		Ft	1			9H01018	Field	07/25/19 15:02	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-19  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05472-06  
**Sampled:** 07/25/19 16:18  
**Sampled By:** Steve Messick

**Received:** 07/26/19 12:45  
**Work Order:** AC05472

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Benzene [71-43-2]^</b>	<b>2.0</b>		ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 16:55	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H02012	EPA 8260D	08/02/19 16:55	MJH	U
<b>Vinyl chloride [75-01-4]^</b>	<b>2.6</b>		ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 16:55	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	54	1	50.0	107 %	41-142	9H02012	EPA 8260D	08/02/19 16:55	MJH	
Dibromofluoromethane	49	1	50.0	99 %	53-146	9H02012	EPA 8260D	08/02/19 16:55	MJH	
Toluene-d8	49	1	50.0	98 %	41-146	9H02012	EPA 8260D	08/02/19 16:55	MJH	

**Classical Chemistry Parameters**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:40	KGonz	U
<b>Chloride [16887-00-6]^</b>	<b>6.4</b>		mg/L	1	0.29	5.0	9G26037	EPA 300.0	07/27/19 06:59	SIR	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Depth to Water</b>	<b>105.89</b>		Ft	1			9H01018	Field	07/25/19 16:18	DMC	
<b>Dissolved Oxygen</b>	<b>0.25</b>		mg/L	1	0	0	9H01018	Field	07/25/19 16:18	DMC	
<b>Oxidation/Reduction Potential</b>	<b>11.2</b>		mV	1	-999	-999	9H01018	Field	07/25/19 16:18	DMC	
<b>pH</b>	<b>5.66</b>		pH Units	1			9H01018	Field	07/25/19 16:18	DMC	
<b>Specific Conductance (EC)</b>	<b>158</b>		umhos/cm	1	0	0	9H01018	Field	07/25/19 16:18	DMC	
<b>Temperature</b>	<b>23.8</b>		°C	1	0	0	9H01018	Field	07/25/19 16:18	DMC	
<b>Turbidity</b>	<b>2.50</b>		NTU	1	0	0	9H01018	Field	07/25/19 16:18	DMC	
<b>Water Elevation</b>	<b>7.61</b>		Ft	1			9H01018	Field	07/25/19 16:18	DMC	

**ANALYTICAL RESULTS**

**Description:** TRIP BLANK 2

**Lab Sample ID:** AC05472-07

**Received:** 07/26/19 12:45

**Matrix:** Water

**Sampled:** 07/25/19 00:00

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** ENCO ORL

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H02012	EPA 8260D	08/02/19 17:24	MJH	QL-02, U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U



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### ANALYTICAL RESULTS

**Description:** TRIP BLANK 2

**Lab Sample ID:** AC05472-07

**Received:** 07/26/19 12:45

**Matrix:** Water

**Sampled:** 07/25/19 00:00

**Work Order:** AC05472

**Project:** Citrus Co. LF

**Sampled By:** ENCO ORL

### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H02012	EPA 8260D	08/02/19 17:24	MJH	U

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	54	1	50.0	108 %	41-142	9H02012	EPA 8260D	08/02/19 17:24	MJH	
Dibromofluoromethane	50	1	50.0	100 %	53-146	9H02012	EPA 8260D	08/02/19 17:24	MJH	
Toluene-d8	48	1	50.0	97 %	41-146	9H02012	EPA 8260D	08/02/19 17:24	MJH	

**QUALITY CONTROL DATA**

**Volatile Organic Compounds by GCMS - Quality Control**

*Batch 9H02012 - EPA 5030B\_MS*

**Blank (9H02012-BLK1)**

Prepared: 08/02/2019 00:00 Analyzed: 08/02/2019 10:30

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							U
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							U
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							U
1,1-Dichloroethane	0.62	U	1.0	ug/L							U
1,1-Dichloroethene	0.94	U	1.0	ug/L							U
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							U
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							U
1,2-Dichloroethane	0.63	U	1.0	ug/L							U
1,2-Dichloropropane	0.80	U	1.0	ug/L							U
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							U
2-Butanone	4.5	U	5.0	ug/L							U
2-Hexanone	1.4	U	5.0	ug/L							U
4-Methyl-2-pentanone	0.79	U	5.0	ug/L							U
Acetone	10	U	20	ug/L							U
Acrylonitrile	3.2	U	10	ug/L							U
Benzene	0.71	U	1.0	ug/L							U
Bromochloromethane	0.94	U	1.0	ug/L							U
Bromodichloromethane	0.52	U	1.0	ug/L							U
Bromoform	0.75	U	1.0	ug/L							U
Bromomethane	0.95	U	1.0	ug/L							U
Carbon disulfide	2.6	U	5.0	ug/L							U
Carbon tetrachloride	0.94	U	1.0	ug/L							U
Chlorobenzene	0.72	U	1.0	ug/L							U
Chloroethane	0.98	U	1.0	ug/L							U
Chloroform	0.80	U	1.0	ug/L							U
Chloromethane	0.82	U	1.0	ug/L							U
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							U
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							U
Dibromochloromethane	0.44	U	1.0	ug/L							U
Dibromomethane	0.84	U	1.0	ug/L							U
Ethylbenzene	0.69	U	1.0	ug/L							U
Iodomethane	0.72	U	5.0	ug/L							U
m,p-Xylenes	1.3	U	2.0	ug/L							U
Methylene chloride	2.0	U	5.0	ug/L							U
o-Xylene	0.53	U	1.0	ug/L							U
Styrene	0.61	U	1.0	ug/L							U
Tetrachloroethene	0.76	U	1.0	ug/L							U
Toluene	0.72	U	1.0	ug/L							U
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							U
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							U
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							U
Trichloroethene	0.89	U	1.0	ug/L							U
Trichlorofluoromethane	0.94	U	1.0	ug/L							U
Vinyl acetate	0.60	U	5.0	ug/L							U
Vinyl chloride	0.71	U	1.0	ug/L							U
Xylenes (Total)	1.3	U	2.0	ug/L							U
<i>4-Bromofluorobenzene</i>	<i>44</i>			<i>ug/L</i>	<i>50.0</i>		<i>88</i>	<i>41-142</i>			
<i>Dibromofluoromethane</i>	<i>45</i>			<i>ug/L</i>	<i>50.0</i>		<i>91</i>	<i>53-146</i>			



**QUALITY CONTROL DATA**

**Volatile Organic Compounds by GCMS - Quality Control**

*Batch 9H02012 - EPA 5030B\_MS - Continued*

**Blank (9H02012-BLK1) Continued**

Prepared: 08/02/2019 00:00 Analyzed: 08/02/2019 10:30

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene-d8	46			ug/L	50.0		92	41-146			

**LCS (9H02012-BS1)**

Prepared: 08/02/2019 00:00 Analyzed: 08/02/2019 09:03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0		75	47-139			
Benzene	15		1.0	ug/L	20.0		73	56-136			
Chlorobenzene	17		1.0	ug/L	20.0		84	51-139			
Methylene chloride	15		5.0	ug/L	20.0		75	43-142			
Toluene	17		1.0	ug/L	20.0		83	64-131			
Trichloroethene	14		1.0	ug/L	20.0		70	62-135			
Vinyl chloride	19		1.0	ug/L	20.0		93	20-167			
4-Bromofluorobenzene	55			ug/L	50.0		109	41-142			
Dibromofluoromethane	45			ug/L	50.0		91	53-146			
Toluene-d8	47			ug/L	50.0		93	41-146			

**Matrix Spike (9H02012-MS1)**

Prepared: 08/02/2019 00:00 Analyzed: 08/02/2019 14:02

**Source: AC05472-01**

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	29		1.0	ug/L	20.0	0.94 U	146	47-139			QM-07, QM-11
Benzene	26		1.0	ug/L	20.0	0.71 U	132	56-136			QM-11
Chlorobenzene	29		1.0	ug/L	20.0	0.72 U	145	51-139			QM-07, QM-11
Methylene chloride	26		5.0	ug/L	20.0	2.0 U	129	43-142			QM-11
Toluene	29		1.0	ug/L	20.0	0.72 U	144	64-131			QM-07, QM-11
Trichloroethene	25		1.0	ug/L	20.0	0.89 U	127	62-135			QM-11
Vinyl chloride	34		1.0	ug/L	20.0	0.71 U	169	20-167			QM-07, QM-11
4-Bromofluorobenzene	69			ug/L	50.0		139	41-142			
Dibromofluoromethane	66			ug/L	50.0		131	53-146			
Toluene-d8	64			ug/L	50.0		128	41-146			

**Matrix Spike Dup (9H02012-MSD1)**

Prepared: 08/02/2019 00:00 Analyzed: 08/02/2019 14:31

**Source: AC05472-01**

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.94 U	107	47-139	31	16	QM-11
Benzene	19		1.0	ug/L	20.0	0.71 U	95	56-136	32	14	QM-11
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	108	51-139	29	13	QM-11
Methylene chloride	20		5.0	ug/L	20.0	2.0 U	98	43-142	27	23	QM-11
Toluene	22		1.0	ug/L	20.0	0.72 U	109	64-131	28	16	QM-11
Trichloroethene	18		1.0	ug/L	20.0	0.89 U	92	62-135	32	20	QM-11
Vinyl chloride	23		1.0	ug/L	20.0	0.71 U	116	20-167	37	24	QM-11
4-Bromofluorobenzene	53			ug/L	50.0		107	41-142			
Dibromofluoromethane	49			ug/L	50.0		99	53-146			
Toluene-d8	48			ug/L	50.0		96	41-146			

**Semivolatile Organic Compounds by GC - Quality Control**

**QUALITY CONTROL DATA**

**Semivolatile Organic Compounds by GC - Quality Control**

**Batch 9G29002 - EPA 504/8011**

**Blank (9G29002-BLK1)**

Prepared: 07/29/2019 05:33 Analyzed: 07/29/2019 15:32

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							U
1,2-Dibromoethane	0.004	U	0.020	ug/L							U
1,1,1,2-Tetrachloroethane	0.28			ug/L	0.250		112	70-130			

**LCS (9G29002-BS1)**

Prepared: 07/29/2019 05:33 Analyzed: 07/29/2019 15:47

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.24		0.020	ug/L	0.250		98	61-139			
1,2-Dibromoethane	0.21		0.020	ug/L	0.250		85	65-133			
1,1,1,2-Tetrachloroethane	0.29			ug/L	0.250		115	70-130			

**Matrix Spike (9G29002-MS1)**

Prepared: 07/29/2019 05:33 Analyzed: 07/29/2019 16:03

Source: AC05459-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250	0.012 U	99	61-139			
1,2-Dibromoethane	0.22		0.020	ug/L	0.250	0.004 U	88	65-133			
1,1,1,2-Tetrachloroethane	0.28			ug/L	0.250		111	70-130			

**Matrix Spike Dup (9G29002-MSD1)**

Prepared: 07/29/2019 05:33 Analyzed: 07/29/2019 16:19

Source: AC05459-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.26		0.020	ug/L	0.250	0.012 U	103	61-139	4	12	
1,2-Dibromoethane	0.22		0.020	ug/L	0.250	0.004 U	88	65-133	0.5	17	
1,1,1,2-Tetrachloroethane	0.29			ug/L	0.250		115	70-130			

**Metals by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9G30021 - EPA 7470A**

**Blank (9G30021-BLK1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 08:56

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**Blank (9G30021-BLK2)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 08:59

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							U

**Blank (9G30021-BLK3)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							U

**Blank (9G30021-BLK4)**

Prepared: 07/31/2019 11:25 Analyzed: 08/01/2019 09:05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**QUALITY CONTROL DATA**

**Metals by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G30021 - EPA 7470A - Continued*

**Blank (9G30021-BLK4) Continued**

Prepared: 07/31/2019 11:25 Analyzed: 08/01/2019 09:05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**LCS (9G30021-BS1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.14		0.200	ug/L	5.00		103	80-120			

**Matrix Spike (9G30021-MS1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:11

Source: AC05486-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	52.5		2.00	ug/L	50.0	0.230 U	105	75-125			

**Matrix Spike Dup (9G30021-MSD1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:14

Source: AC05486-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	51.5		2.00	ug/L	50.0	0.230 U	103	75-125	2	20	

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H01003 - EPA 3005A*

**Blank (9H01003-BLK1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:42

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							U
Arsenic	5.00	U	10.0	ug/L							U
Barium	50.0	U	100	ug/L							U
Beryllium	0.500	U	1.00	ug/L							U
Cadmium	0.500	U	3.00	ug/L							U
Chromium	5.00	U	10.0	ug/L							U
Cobalt	5.00	U	10.0	ug/L							U
Copper	2.50	U	10.0	ug/L							U
Iron	25.0	U	50.0	ug/L							U
Lead	2.50	U	5.00	ug/L							U
Nickel	5.00	U	10.0	ug/L							U
Selenium	5.00	U	10.0	ug/L							U
Silver	0.500	U	1.00	ug/L							U
Sodium	0.500	U	1.00	mg/L							U
Thallium	0.500	U	1.00	ug/L							U
Vanadium	5.00	U	10.0	ug/L							U
Zinc	25.0	U	50.0	ug/L							U

**Blank (9H01003-BLK2)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:46

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.250	U	0.500	ug/L							U
Arsenic	0.500	U	1.00	ug/L							U
Barium	5.00	U	10.0	ug/L							U

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H01003 - EPA 3005A - Continued*

**Blank (9H01003-BLK2) Continued**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:46

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Beryllium	0.0500	U	0.100	ug/L							U
Cadmium	0.0500	U	0.300	ug/L							U
Chromium	0.500	U	1.00	ug/L							U
Cobalt	0.500	U	1.00	ug/L							U
Copper	0.250	U	1.00	ug/L							U
Iron	2.50	U	5.00	ug/L							U
Lead	0.250	U	0.500	ug/L							U
Nickel	0.500	U	1.00	ug/L							U
Selenium	0.500	U	1.00	ug/L							U
Silver	0.0500	U	0.100	ug/L							U
Sodium	0.0500	U	0.100	mg/L							U
Thallium	0.0500	U	0.100	ug/L							U
Vanadium	0.500	U	1.00	ug/L							U
Zinc	2.50	U	5.00	ug/L							U

**LCS (9H01003-BS1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:50

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	48.4		5.00	ug/L	50.0		97	80-120			
Arsenic	463		10.0	ug/L	500		93	80-120			
Barium	491		100	ug/L	500		98	80-120			
Beryllium	47.9		1.00	ug/L	50.0		96	80-120			
Cadmium	47.3		3.00	ug/L	50.0		95	80-120			
Chromium	504		10.0	ug/L	500		101	80-120			
Cobalt	489		10.0	ug/L	500		98	80-120			
Copper	492		10.0	ug/L	500		98	80-120			
Iron	999		50.0	ug/L	1000		100	80-120			
Lead	476		5.00	ug/L	500		95	80-120			
Nickel	492		10.0	ug/L	500		98	80-120			
Selenium	458		10.0	ug/L	500		92	80-120			
Silver	49.5		1.00	ug/L	50.0		99	80-120			
Sodium	24.7		1.00	mg/L	25.0		99	80-120			
Thallium	47.7		1.00	ug/L	50.0		95	80-120			
Vanadium	491		10.0	ug/L	500		98	80-120			
Zinc	464		50.0	ug/L	500		93	80-120			

**Matrix Spike (9H01003-MS1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:57

**Source: AC05472-04**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	48.6		5.00	ug/L	50.0	2.50 U	97	75-125			
Arsenic	473		10.0	ug/L	500	5.00 U	95	75-125			
Barium	505		100	ug/L	500	50.0 U	101	75-125			
Beryllium	47.0		1.00	ug/L	50.0	0.500 U	94	75-125			
Cadmium	47.6		3.00	ug/L	50.0	0.500 U	95	75-125			
Chromium	505		10.0	ug/L	500	5.00 U	101	75-125			
Cobalt	494		10.0	ug/L	500	5.00 U	99	75-125			
Copper	491		10.0	ug/L	500	3.26	98	75-125			
Iron	6610		50.0	ug/L	1000	5650	96	75-125			
Lead	488		5.00	ug/L	500	2.50 U	98	75-125			

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H01003 - EPA 3005A - Continued*

**Matrix Spike (9H01003-MS1) Continued**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:57

Source: AC05472-04

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Nickel	496		10.0	ug/L	500	9.01	97	75-125			
Selenium	456		10.0	ug/L	500	5.00 U	91	75-125			
Silver	49.7		1.00	ug/L	50.0	0.591	98	75-125			
Sodium	27.0		1.00	mg/L	25.0	2.44	98	75-125			
Thallium	49.0		1.00	ug/L	50.0	0.500 U	98	75-125			
Vanadium	492		10.0	ug/L	500	5.00 U	98	75-125			
Zinc	477		50.0	ug/L	500	25.0 U	95	75-125			

**Matrix Spike Dup (9H01003-MSD1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 13:01

Source: AC05472-04

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	50.0		5.00	ug/L	50.0	2.50 U	100	75-125	3	20	
Arsenic	487		10.0	ug/L	500	5.00 U	97	75-125	3	20	
Barium	532		100	ug/L	500	50.0 U	106	75-125	5	20	
Beryllium	48.9		1.00	ug/L	50.0	0.500 U	98	75-125	4	20	
Cadmium	48.9		3.00	ug/L	50.0	0.500 U	98	75-125	3	20	
Chromium	515		10.0	ug/L	500	5.00 U	103	75-125	2	20	
Cobalt	501		10.0	ug/L	500	5.00 U	100	75-125	1	20	
Copper	500		10.0	ug/L	500	3.26	99	75-125	2	20	
Iron	6720		50.0	ug/L	1000	5650	107	75-125	2	20	
Lead	500		5.00	ug/L	500	2.50 U	100	75-125	2	20	
Nickel	512		10.0	ug/L	500	9.01	101	75-125	3	20	
Selenium	467		10.0	ug/L	500	5.00 U	93	75-125	2	20	
Silver	50.5		1.00	ug/L	50.0	0.591	100	75-125	1	20	
Sodium	28.0		1.00	mg/L	25.0	2.44	102	75-125	4	20	
Thallium	50.7		1.00	ug/L	50.0	0.500 U	101	75-125	3	20	
Vanadium	504		10.0	ug/L	500	5.00 U	101	75-125	2	20	
Zinc	489		50.0	ug/L	500	25.0 U	98	75-125	2	20	

**Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G30021 - EPA 7470A*

**Blank (9G30021-BLK1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 08:56

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Mercury	0.0230	U	0.200	ug/L							U

**Blank (9G30021-BLK2)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 08:59

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Mercury	0.230	U	2.00	ug/L							U

**Blank (9G30021-BLK3)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:02

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Mercury	0.230	U	2.00	ug/L							U

**QUALITY CONTROL DATA**

**Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9G30021 - EPA 7470A - Continued**

**Blank (9G30021-BLK4)**

Prepared: 07/31/2019 11:25 Analyzed: 08/01/2019 09:05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**LCS (9G30021-BS1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.14		0.200	ug/L	5.00		103	80-120			

**Matrix Spike (9G30021-MS1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:11

Source: AC05486-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	52.5		2.00	ug/L	50.0	0.230 U	105	75-125			

**Matrix Spike Dup (9G30021-MSD1)**

Prepared: 07/30/2019 13:23 Analyzed: 07/31/2019 09:14

Source: AC05486-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	51.5		2.00	ug/L	50.0	0.230 U	103	75-125	2	20	

**Batch 9H01003 - EPA 3005A**

**Blank (9H01003-BLK1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:42

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							U
Arsenic	5.00	U	10.0	ug/L							U
Barium	50.0	U	100	ug/L							U
Beryllium	0.500	U	1.00	ug/L							U
Cadmium	0.500	U	3.00	ug/L							U
Chromium	5.00	U	10.0	ug/L							U
Cobalt	5.00	U	10.0	ug/L							U
Copper	2.50	U	10.0	ug/L							U
Iron	25.0	U	50.0	ug/L							U
Lead	2.50	U	5.00	ug/L							U
Nickel	5.00	U	10.0	ug/L							U
Selenium	5.00	U	10.0	ug/L							U
Silver	0.500	U	1.00	ug/L							U
Sodium	0.500	U	1.00	mg/L							U
Thallium	0.500	U	1.00	ug/L							U
Vanadium	5.00	U	10.0	ug/L							U
Zinc	25.0	U	50.0	ug/L							U

**Blank (9H01003-BLK2)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:46

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.250	U	0.500	ug/L							U
Arsenic	0.500	U	1.00	ug/L							U
Barium	5.00	U	10.0	ug/L							U
Beryllium	0.0500	U	0.100	ug/L							U
Cadmium	0.0500	U	0.300	ug/L							U

**QUALITY CONTROL DATA**

**Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H01003 - EPA 3005A - Continued*

**Blank (9H01003-BLK2) Continued**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:46

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Chromium	0.500	U	1.00	ug/L							U
Cobalt	0.500	U	1.00	ug/L							U
Copper	0.250	U	1.00	ug/L							U
Iron	2.50	U	5.00	ug/L							U
Lead	0.250	U	0.500	ug/L							U
Nickel	0.500	U	1.00	ug/L							U
Selenium	0.500	U	1.00	ug/L							U
Silver	0.0500	U	0.100	ug/L							U
Sodium	0.0500	U	0.100	mg/L							U
Thallium	0.0500	U	0.100	ug/L							U
Vanadium	0.500	U	1.00	ug/L							U
Zinc	2.50	U	5.00	ug/L							U

**LCS (9H01003-BS1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:50

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	48.4		5.00	ug/L	50.0		97	80-120			
Arsenic	463		10.0	ug/L	500		93	80-120			
Barium	491		100	ug/L	500		98	80-120			
Beryllium	47.9		1.00	ug/L	50.0		96	80-120			
Cadmium	47.3		3.00	ug/L	50.0		95	80-120			
Chromium	504		10.0	ug/L	500		101	80-120			
Cobalt	489		10.0	ug/L	500		98	80-120			
Copper	492		10.0	ug/L	500		98	80-120			
Iron	999		50.0	ug/L	1000		100	80-120			
Lead	476		5.00	ug/L	500		95	80-120			
Nickel	492		10.0	ug/L	500		98	80-120			
Selenium	458		10.0	ug/L	500		92	80-120			
Silver	49.5		1.00	ug/L	50.0		99	80-120			
Sodium	24.7		1.00	mg/L	25.0		99	80-120			
Thallium	47.7		1.00	ug/L	50.0		95	80-120			
Vanadium	491		10.0	ug/L	500		98	80-120			
Zinc	464		50.0	ug/L	500		93	80-120			

**Matrix Spike (9H01003-MS1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:57

**Source: AC05472-04**

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	48.6		5.00	ug/L	50.0	2.50 U	97	75-125			
Arsenic	473		10.0	ug/L	500	5.00 U	95	75-125			
Barium	505		100	ug/L	500	50.0 U	101	75-125			
Beryllium	47.0		1.00	ug/L	50.0	0.500 U	94	75-125			
Cadmium	47.6		3.00	ug/L	50.0	0.500 U	95	75-125			
Chromium	505		10.0	ug/L	500	5.00 U	101	75-125			
Cobalt	494		10.0	ug/L	500	5.00 U	99	75-125			
Copper	491		10.0	ug/L	500	2.50 U	98	75-125			
Iron	6610		50.0	ug/L	1000	5610	100	75-125			
Lead	488		5.00	ug/L	500	2.50 U	98	75-125			
Nickel	496		10.0	ug/L	500	8.13	97	75-125			
Selenium	456		10.0	ug/L	500	5.00 U	91	75-125			

**QUALITY CONTROL DATA**

**Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H01003 - EPA 3005A - Continued*

**Matrix Spike (9H01003-MS1) Continued**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 12:57

Source: AC05472-04

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Silver	49.7		1.00	ug/L	50.0	0.500 U	99	75-125			
Sodium	27.0		1.00	mg/L	25.0	2.50	98	75-125			
Thallium	49.0		1.00	ug/L	50.0	0.500 U	98	75-125			
Vanadium	492		10.0	ug/L	500	5.00 U	98	75-125			
Zinc	477		50.0	ug/L	500	25.0 U	95	75-125			

**Matrix Spike Dup (9H01003-MSD1)**

Prepared: 08/01/2019 10:47 Analyzed: 08/06/2019 13:01

Source: AC05472-04

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	50.0		5.00	ug/L	50.0	2.50 U	100	75-125	3	20	
Arsenic	487		10.0	ug/L	500	5.00 U	97	75-125	3	20	
Barium	532		100	ug/L	500	50.0 U	106	75-125	5	20	
Beryllium	48.9		1.00	ug/L	50.0	0.500 U	98	75-125	4	20	
Cadmium	48.9		3.00	ug/L	50.0	0.500 U	98	75-125	3	20	
Chromium	515		10.0	ug/L	500	5.00 U	103	75-125	2	20	
Cobalt	501		10.0	ug/L	500	5.00 U	100	75-125	1	20	
Copper	500		10.0	ug/L	500	2.50 U	100	75-125	2	20	
Iron	6720		50.0	ug/L	1000	5610	110	75-125	2	20	
Lead	500		5.00	ug/L	500	2.50 U	100	75-125	2	20	
Nickel	512		10.0	ug/L	500	8.13	101	75-125	3	20	
Selenium	467		10.0	ug/L	500	5.00 U	93	75-125	2	20	
Silver	50.5		1.00	ug/L	50.0	0.500 U	101	75-125	1	20	
Sodium	28.0		1.00	mg/L	25.0	2.50	102	75-125	4	20	
Thallium	50.7		1.00	ug/L	50.0	0.500 U	101	75-125	3	20	
Vanadium	504		10.0	ug/L	500	5.00 U	101	75-125	2	20	
Zinc	489		50.0	ug/L	500	25.0 U	98	75-125	2	20	

**Classical Chemistry Parameters - Quality Control**

*Batch 9G26013 - NO PREP*

**Blank (9G26013-BLK1)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 14:07

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Chloride	0.29	U	5.0	mg/L							U
Nitrate as N	0.052	U	1.0	mg/L							U

**LCS (9G26013-BS1)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 14:22

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Chloride	48		5.0	mg/L	50.0		96	90-110			
Nitrate as N	24		1.0	mg/L	25.0		97	90-110			

**Duplicate (9G26013-DUP1)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 21:23

Source: AC05337-12

<u>Analyte</u>	<u>Result</u>	<u>Flaq</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Nitrate as N	0.052	U	1.0	mg/L		0.052 U				10	U



**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

*Batch 9G26013 - NO PREP - Continued*

**Duplicate (9G26013-DUP2)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 22:09

Source: AC05337-14

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	0.052	U	1.0	mg/L		0.052 U				10	U

**Matrix Spike (9G26013-MS1)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 17:45

Source: AC05337-07

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	89		5.0	mg/L	50.0	38	103	90-110			
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110			

**Matrix Spike (9G26013-MS2)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 18:47

Source: AC05472-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	60		5.0	mg/L	50.0	9.2	101	90-110			
Nitrate as N	35		1.0	mg/L	25.0	9.3	104	90-110			

**Matrix Spike Dup (9G26013-MSD1)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 18:00

Source: AC05337-07

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	90		5.0	mg/L	50.0	38	104	90-110	0.4	10	
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	99	90-110	2	10	

**Matrix Spike Dup (9G26013-MSD2)**

Prepared: 07/26/2019 11:15 Analyzed: 07/26/2019 19:03

Source: AC05472-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	58		5.0	mg/L	50.0	9.2	97	90-110	3	10	
Nitrate as N	34		1.0	mg/L	25.0	9.3	101	90-110	2	10	

*Batch 9G26037 - NO PREP*

**Blank (9G26037-BLK1)**

Prepared: 07/26/2019 15:04 Analyzed: 07/26/2019 23:27

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							U
Nitrate as N	0.052	U	1.0	mg/L							U

**LCS (9G26037-BS1)**

Prepared: 07/26/2019 15:04 Analyzed: 07/26/2019 23:43

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0		96	90-110			
Nitrate as N	24		1.0	mg/L	25.0		98	90-110			

**Duplicate (9G26037-DUP1)**

Prepared: 07/26/2019 15:04 Analyzed: 07/27/2019 03:52

Source: AC05337-21

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	0.052	U	1.0	mg/L		0.052 U				10	U

**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

**Batch 9G26037 - NO PREP - Continued**

**Duplicate (9G26037-DUP2)**

Prepared: 07/26/2019 15:04 Analyzed: 07/27/2019 04:08

Source: AC05337-23

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	0.66	I	1.0	mg/L		0.66			0.6	10	J

**Matrix Spike (9G26037-MS1)**

Prepared: 07/26/2019 15:04 Analyzed: 07/27/2019 01:16

Source: AC05472-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	98	90-110			

**Matrix Spike (9G26037-MS2)**

Prepared: 07/26/2019 15:04 Analyzed: 07/27/2019 05:41

Source: AC05472-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0	5.0	87	90-110			QM-07, QM-12
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	98	90-110			

**Matrix Spike Dup (9G26037-MSD1)**

Prepared: 07/26/2019 15:04 Analyzed: 07/27/2019 01:32

Source: AC05472-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	4.0	101	90-110	2	10	
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110	1	10	

**Matrix Spike Dup (9G26037-MSD2)**

Prepared: 07/26/2019 15:04 Analyzed: 07/27/2019 05:56

Source: AC05472-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	5.0	100	90-110	13	10	QM-12
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	98	90-110	0.9	10	

**Batch 9G29034 - NO PREP**

**Blank (9G29034-BLK1)**

Prepared: 07/29/2019 16:12 Analyzed: 07/30/2019 20:32

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							U

**LCS (9G29034-BS1)**

Prepared: 07/29/2019 16:12 Analyzed: 07/30/2019 20:32

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	960		10	mg/L	1000		96	90-110			

**Duplicate (9G29034-DUP1)**

Prepared: 07/29/2019 16:12 Analyzed: 07/30/2019 20:32

Source: AC05170-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	490		10	mg/L		490			0.8	20	

**Batch 9G31020 - NO PREP**

**Blank (9G31020-BLK1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:15

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

*Batch 9G31020 - NO PREP - Continued*

**Blank (9G31020-BLK1) Continued**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:15

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	0.0098	U	0.020	mg/L							U

**LCS (9G31020-BS1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:16

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	0.96		0.020	mg/L	1.00		96	90-110			

**Matrix Spike (9G31020-MS1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:22

**Source: AC05472-03**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.7		0.020	mg/L	1.00	0.88	86	90-110			QM-07

**Matrix Spike (9G31020-MS2)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:44

**Source: AC05516-05**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	0.93		0.020	mg/L	1.00	0.0098 U	93	90-110			

**Matrix Spike Dup (9G31020-MSD1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:23

**Source: AC05472-03**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.7		0.020	mg/L	1.00	0.88	86	90-110	0	10	QM-07

## FLAGS/NOTES AND DEFINITIONS

<b>PQL</b>	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
<b>B</b>	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
<b>I</b>	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
<b>J</b>	Estimated value.
<b>K</b>	Off-scale low; Actual value is known to be less than the value given.
<b>L</b>	Off-scale high; Actual value is known to be greater than value given.
<b>M</b>	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
<b>N</b>	Presumptive evidence of presence of material.
<b>O</b>	Sampled, but analysis lost or not performed.
<b>Q</b>	Sample exceeded the accepted holding time.
<b>T</b>	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
<b>U</b>	Indicates that the compound was analyzed for but not detected.
<b>V</b>	Indicates that the analyte was detected in both the sample and the associated method blank.
<b>Y</b>	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
<b>Z</b>	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
<b>?</b>	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
<b>*</b>	Not reported due to interference.
<b>[CALC]</b>	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
<b>QL-02</b>	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
<b>QM-07</b>	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
<b>QM-11</b>	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
<b>QM-12</b>	Precision between duplicate samples was outside acceptance limits.
<b>QM-19</b>	The spike recovery was outside acceptance limits for the MS and/or MSD.
<b>QV-01</b>	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.



ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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(919) 467-3090 Fax (919) 467-3515

Client Name <b>Jones Edmunds &amp; Associates, Inc. (JO006)</b>		Project Number <b>03860-069-01</b>		Requested Analyses						Requested Turnaround Times						
Address <b>730 N.E. Waldo Road Bldg.A</b>		Project Name/Desc <b>Citrus Co. LF</b>		8011	8260D Appendix 1 FL	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Na, Ni, Pb, Sb, Se, Tl, V, Zn, Hg	Ag, F, Ag, F, Ba, F, Be, F, Cd, F, Co, F, Cr, F, Cu, F, Fe, F, Ni, F, Pb, F, Po, F, Se, F, Sn, F, Tl, F, V, F, Zn, F, Hg, F	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	8260C (Benzene, Methylene Chloride, Vinyl Chloride)	Note: Rush requests subject to acceptance by the facility			
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info											<input checked="" type="checkbox"/> Standard		<input type="checkbox"/> Expedited	
Tel <b>(352) 377-5821</b>		Reporting Contact <b>Elizabeth Kennelley</b>											Due <u>  </u> / <u>  </u> / <u>  </u>		Lab Workorder <b>AC04883</b>	
Fax <b>(352) 377-3166</b>		Billing Contact <b>Accounts Payable</b>											Sample Comments			
Sampler(s) Name, Affiliation (Print) <b>Steve Messick, Jones Edmunds &amp; Assoc.</b>		Site Location / Time Zone <b>Lecanto, FL. / EST</b>														
Sampler(s) Signature <i>Steve Messick</i>																

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)	8011	8260D Appendix 1 FL	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Na, Ni, Pb, Sb, Se, Tl, V, Zn, Hg	Ag, F, Ag, F, Ba, F, Be, F, Cd, F, Co, F, Cr, F, Cu, F, Fe, F, Ni, F, Pb, F, Po, F, Se, F, Sn, F, Tl, F, V, F, Zn, F, Hg, F	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	8260C (Benzene, Methylene Chloride, Vinyl Chloride)	Sample Comments
1	MW-3 (1952CC-3)	7/25/19	0933	G	GW	7		✓	✓	✓		✓	✓	✓	✓		
2	MW-7 (1952CC-7)		1120	G	GW	7		✓	✓	✓		✓	✓	✓	✓		
3	MW-20 (1852CC-20)		1220	G	GW	7		✓	✓	✓		✓	✓	✓	✓		
4	MW-21 (1952CC-21)		1406	G	GW	8		✓	✓	✓	✓	✓	✓	✓	✓		
5	MW-10 (1952CC-10)		1502	G	GW	8		✓	✓	✓	✓	✓	✓	✓	✓		
6	MW-19 (1952CC-19)		1618	G	GW	4						✓	✓				
7	TRIP Blank #2 (1952CC-TR2)			Blank	O	2			2								QA/QC

Sample Kit Prepared By <b>ECC</b>	Date/Time <b>07/09/19 12:05</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>07/09/19 12:05</b>	Received By <i>Steve Messick</i>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <b>Samples shipped by Greyhound Bus Priority from Gainesville to Orlando, FL.</b>		Relinquished By <i>Steve Messick</i>	Date/Time <b>7/25/19 @ 1645</b>	Received By <i>[Signature]</i>	Date/Time <b>7/23/19 @ 0700</b>
		Relinquished By	Date/Time	Received By	Date/Time
Cooler #'s & Temps on Receipt <b>C-100 07°C</b>				Condition Upon Receipt <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	

Matrix: GW-Groundwater SO-Sol DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: H-Cl H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Jones, Edmunds, and Associates, Inc.  
 Environmental Consultants  
 730 NE Waldo Road  
 Gainesville, Florida 32641  
 (352) 377-5821 Fax (352) 377-3166

Please return a copy of this  
 form with original lab report.

Collection Method:	Description:
BA	BAILER
BP	BLADDER PUMP
CP	CENTRIFUGAL PUMP
E	GRAB
M	METER READING
PP	PERISTALTIC PUMP
SP	SUBMERSIBLE OR IN-PLACE DEDICATED PUMP
Z	UNKNOWN

\* Initial Depth to Water at Time of Sampling

### Field Data Information Form

Project Name: Citrus County - Central Class I Landfill

Project Number: 03860-069-01

Date: 7-25-2019

Sampler: Steve Messick

Laboratory: ENCO Lab - Orlando, Florida

Sampling Station	Date	Time	pH (S. U.)	Temp (Deg C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Static Depth to Water *	Collection Method
MW-3	7/25/19	0933	4.70	23.5	133	6.03	0.25	285.1	111.80	SP
MW-7		1120	5.06	25.3	100	0.16	0.50	21.7	120.77	SP
MW-20		1220	6.25	25.4	787	0.09	1.97	-122.6	112.48	SP
MW-21		1406	5.15	24.4	119	0.11	14.6	22.4	107.86	SP
MW-10		1502	4.74	23.7	46	0.35	81.9	91.0	105.87	SP
MW-19	∇	1618	5.66	23.8	158	0.25	2.50	11.2	105.89	SP

Turbidity after filtering  
 0.36  
 0.48

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY



# ENCO Laboratories

*Accurate. Timely. Responsive. Innovative.*

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

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Tuesday, August 13, 2019

Jones Edmunds & Associates, Inc. (JO006)

Attn: Elizabeth Kennelley

730 N.E.Waldo Road Bldg.A

Gainesville, FL 32641

**RE: Laboratory Results for**

**Project Number: 39859, Project Name/Desc: Citrus Co. LF**

**ENCO Workorder(s): AC05516**

Dear Elizabeth Kennelley,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, July 30, 2019.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

David Camacho

Project Manager

Enclosure(s)

**SAMPLE SUMMARY/LABORATORY CHRONICLE**

<b>Client ID: MW-18</b>	<b>Lab ID: AC05516-01</b>	<b>Sampled: 07/29/19 09:55</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 8260D	EPA 5030B_MS	08/12/19		08/07/19 11:33		08/07/19 16:06
Field	NO PREP	07/29/19	10:09	07/29/19 09:55		07/29/19 09:55
Field	NO PREP	07/30/19	09:55	07/30/19	09:55	07/29/19 09:55
Field	NO PREP	07/31/19	09:55	07/29/19 09:55		07/29/19 09:55

<b>Client ID: MW-18D</b>	<b>Lab ID: AC05516-02</b>	<b>Sampled: 07/29/19 11:19</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 6020B	EPA 3005A	01/25/20		08/06/19 11:14		08/08/19 15:12
EPA 8260D	EPA 5030B_MS	08/12/19		08/07/19 11:33		08/07/19 16:36
Field	NO PREP	07/29/19	11:33	07/29/19 11:19		07/29/19 11:19
Field	NO PREP	07/30/19	11:19	07/30/19	11:19	07/29/19 11:19
Field	NO PREP	07/31/19	11:19	07/29/19 11:19		07/29/19 11:19

<b>Client ID: MW-19D</b>	<b>Lab ID: AC05516-03</b>	<b>Sampled: 07/29/19 12:48</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 300.0	NA	08/26/19		07/30/19 17:16		07/30/19 22:34
EPA 350.1	Same	08/26/19		07/31/19 11:38		07/31/19 13:41
EPA 8260D	EPA 5030B_MS	08/12/19		08/07/19 11:33		08/07/19 17:05
Field	NO PREP	07/29/19	13:02	07/29/19 12:48		07/29/19 12:48
Field	NO PREP	07/30/19	12:48	07/30/19	12:48	07/29/19 12:48
Field	NO PREP	07/31/19	12:48	07/29/19 12:48		07/29/19 12:48

<b>Client ID: MW-19D</b>	<b>Lab ID: AC05516-03RE1</b>	<b>Sampled: 07/29/19 12:48</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 6020B	EPA 3005A	01/25/20		08/06/19 11:14		08/08/19 15:23

<b>Client ID: EQUIPMENT BLANK 1</b>	<b>Lab ID: AC05516-04</b>	<b>Sampled: 07/29/19 13:48</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 300.0	NA	07/31/19	13:48	07/30/19 17:16		07/31/19 00:54
EPA 300.0	NA	08/26/19		07/30/19 17:16		07/31/19 00:54
EPA 350.1	Same	08/26/19		07/31/19 11:38		07/31/19 13:42
EPA 6020B	EPA 3005A	01/25/20		08/06/19 11:14		08/08/19 13:17
EPA 7470A	EPA 7470A	08/26/19		07/31/19 14:18		08/01/19 10:00
EPA 8011	EPA 504/8011	08/12/19		08/05/19 07:08		08/06/19 14:41
EPA 8260D	EPA 5030B_MS	08/12/19		08/07/19 11:33		08/07/19 14:39
SM 2540C-2011	NO PREP	08/05/19		07/31/19 15:36		08/01/19 19:33

<b>Client ID: MW-22</b>	<b>Lab ID: AC05516-05</b>	<b>Sampled: 07/29/19 15:15</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 300.0	NA	07/31/19	15:15	07/30/19 17:16		07/31/19 01:10
EPA 300.0	NA	08/26/19		07/30/19 17:16		07/31/19 01:10
EPA 350.1	Same	08/26/19		07/31/19 11:38		07/31/19 13:43
EPA 6020B	EPA 3005A	01/25/20		08/06/19 11:14		08/08/19 14:07
EPA 7470A	EPA 7470A	08/26/19		07/31/19 14:18		08/01/19 09:45
EPA 8011	EPA 504/8011	08/12/19		08/05/19 07:08		08/06/19 14:56
EPA 8260D	EPA 5030B_MS	08/12/19		08/07/19 11:33		08/07/19 15:08
Field	NO PREP	07/29/19	15:29	07/29/19 15:15		07/29/19 15:15
Field	NO PREP	07/30/19	15:15	07/30/19	15:15	07/29/19 15:15
Field	NO PREP	07/31/19	15:15	07/29/19 15:15		07/29/19 15:15
SM 2540C-2011	NO PREP	08/05/19		07/31/19 15:36		08/01/19 19:33

<b>Client ID: TRIP BLANK 4</b>	<b>Lab ID: AC05516-06</b>	<b>Sampled: 07/29/19 00:00</b>	<b>Received: 07/30/19 14:10</b>
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 8260D	EPA 5030B_MS	08/12/19		08/07/19 11:33		08/07/19 15:37



**SAMPLE DETECTION SUMMARY**

**Client ID: MW-18** **Lab ID: AC05516-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Depth to Water	106.95				Ft	Field	
Dissolved Oxygen	2.28		0	0	mg/L	Field	
Oxidation/Reduction Potential	227.1		-999	-999	mV	Field	
pH	4.98				pH Units	Field	
Specific Conductance (EC)	44		0	0	umhos/cm	Field	
Temperature	24.1		0	0	°C	Field	
Turbidity	4.9		0	0	NTU	Field	
Water Elevation	8.87				Ft	Field	

**Client ID: MW-18D** **Lab ID: AC05516-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Depth to Water	106.57				Ft	Field	
Dissolved Oxygen	1.03		0	0	mg/L	Field	
Iron - Total	77.2		25.0	50.0	ug/L	EPA 6020B	
Oxidation/Reduction Potential	120.5		-999	-999	mV	Field	
pH	5.09				pH Units	Field	
Specific Conductance (EC)	37		0	0	umhos/cm	Field	
Temperature	29.3		0	0	°C	Field	
Turbidity	0.66		0	0	NTU	Field	
Water Elevation	9.11				Ft	Field	

**Client ID: MW-19D** **Lab ID: AC05516-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.076		0.0098	0.020	mg/L	EPA 350.1	
Benzene	0.77	I	0.71	1.0	ug/L	EPA 8260D	J
Chloride	4.9	I	0.29	5.0	mg/L	EPA 300.0	J
Depth to Water	105.69				Ft	Field	
Dissolved Oxygen	0.56		0	0	mg/L	Field	
pH	6.17				pH Units	Field	
Specific Conductance (EC)	360		0	0	umhos/cm	Field	
Temperature	28.3		0	0	°C	Field	
Turbidity	0.37		0	0	NTU	Field	
Vinyl chloride	0.83	I	0.71	1.0	ug/L	EPA 8260D	J
Water Elevation	7.90				Ft	Field	

**Client ID: MW-19D** **Lab ID: AC05516-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	34100		250	500	ug/L	EPA 6020B	D

**Client ID: MW-22** **Lab ID: AC05516-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	4.6	I	0.29	5.0	mg/L	EPA 300.0	J
Depth to Water	107.02				Ft	Field	
Dissolved Oxygen	0.39		0	0	mg/L	Field	
Iron - Total	237		25.0	50.0	ug/L	EPA 6020B	
pH	6.92				pH Units	Field	
Sodium - Total	3.30		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	507		0	0	umhos/cm	Field	
Temperature	30.1		0	0	°C	Field	
Total Dissolved Solids	260		10	10	mg/L	SM 2540C-2011	
Turbidity	4.83		0	0	NTU	Field	
Water Elevation	6.77				Ft	Field	

**ANALYTICAL RESULTS**

**Description:** MW-18  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05516-01  
**Sampled:** 07/29/19 09:55  
**Sampled By:** steve Messick

**Received:** 07/30/19 14:10  
**Work Order:** AC05516

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 16:06	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07024	EPA 8260D	08/07/19 16:06	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 16:06	MJH	U
<b><u>Surrogates</u></b>											
<i>4-Bromofluorobenzene</i>	<i>55</i>	<i>1</i>	<i>50.0</i>	<i>109 %</i>	<i>41-142</i>		<i>9H07024</i>	<i>EPA 8260D</i>	<i>08/07/19 16:06</i>	<i>MJH</i>	
<i>Dibromofluoromethane</i>	<i>52</i>	<i>1</i>	<i>50.0</i>	<i>104 %</i>	<i>53-146</i>		<i>9H07024</i>	<i>EPA 8260D</i>	<i>08/07/19 16:06</i>	<i>MJH</i>	
<i>Toluene-d8</i>	<i>50</i>	<i>1</i>	<i>50.0</i>	<i>101 %</i>	<i>41-146</i>		<i>9H07024</i>	<i>EPA 8260D</i>	<i>08/07/19 16:06</i>	<i>MJH</i>	

**Field Parameters**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
<b>Depth to Water</b>	<b>106.95</b>		Ft	1			9H01027	Field	07/29/19 09:55	DMC	
<b>Dissolved Oxygen</b>	<b>2.28</b>		mg/L	1	0	0	9H01027	Field	07/29/19 09:55	DMC	
<b>Oxidation/Reduction Potential</b>	<b>227.1</b>		mV	1	-999	-999	9H01027	Field	07/29/19 09:55	DMC	
<b>pH</b>	<b>4.98</b>		pH Units	1			9H01027	Field	07/29/19 09:55	DMC	
<b>Specific Conductance (EC)</b>	<b>44</b>		umhos/cm	1	0	0	9H01027	Field	07/29/19 09:55	DMC	
<b>Temperature</b>	<b>24.1</b>		°C	1	0	0	9H01027	Field	07/29/19 09:55	DMC	
<b>Turbidity</b>	<b>4.9</b>		NTU	1	0	0	9H01027	Field	07/29/19 09:55	DMC	
<b>Water Elevation</b>	<b>8.87</b>		Ft	1			9H01027	Field	07/29/19 09:55	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-18D

**Lab Sample ID:** AC05516-02

**Received:** 07/30/19 14:10

**Matrix:** Ground Water

**Sampled:** 07/29/19 11:19

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Volatile Organic Compounds by GCMS**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 16:36	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07024	EPA 8260D	08/07/19 16:36	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 16:36	MJH	U
<b>Surrogates</b>											
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
4-Bromofluorobenzene	62	1	50.0	123 %	41-142	9H07024	EPA 8260D	08/07/19 16:36	MJH		
Dibromofluoromethane	59	1	50.0	118 %	53-146	9H07024	EPA 8260D	08/07/19 16:36	MJH		
Toluene-d8	56	1	50.0	113 %	41-146	9H07024	EPA 8260D	08/07/19 16:36	MJH		

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Iron [7439-89-6]	77.2		ug/L	1	25.0	50.0	9H06006	EPA 6020B	08/08/19 15:12	CRG	

**Field Parameters**

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Depth to Water	106.57		Ft	1			9H01027	Field	07/29/19 11:19	DMC	
Dissolved Oxygen	1.03		mg/L	1	0	0	9H01027	Field	07/29/19 11:19	DMC	
Oxidation/Reduction Potential	120.5		mV	1	-999	-999	9H01027	Field	07/29/19 11:19	DMC	
pH	5.09		pH Units	1			9H01027	Field	07/29/19 11:19	DMC	
Specific Conductance (EC)	37		umhos/cm	1	0	0	9H01027	Field	07/29/19 11:19	DMC	
Temperature	29.3		°C	1	0	0	9H01027	Field	07/29/19 11:19	DMC	
Turbidity	0.66		NTU	1	0	0	9H01027	Field	07/29/19 11:19	DMC	
Water Elevation	9.11		Ft	1			9H01027	Field	07/29/19 11:19	DMC	

**ANALYTICAL RESULTS**

**Description:** MW-19D

**Lab Sample ID:** AC05516-03

**Received:** 07/30/19 14:10

**Matrix:** Ground Water

**Sampled:** 07/29/19 12:48

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzene [71-43-2]^	0.77	I	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 17:05	MJH	J
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07024	EPA 8260D	08/07/19 17:05	MJH	U
Vinyl chloride [75-01-4]^	0.83	I	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 17:05	MJH	J
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	53	1	50.0	105 %	41-142	9H07024	EPA 8260D	08/07/19 17:05	MJH		
Dibromofluoromethane	51	1	50.0	102 %	53-146	9H07024	EPA 8260D	08/07/19 17:05	MJH		
Toluene-d8	50	1	50.0	99 %	41-146	9H07024	EPA 8260D	08/07/19 17:05	MJH		

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Iron [7439-89-6]	34100		ug/L	10	250	500	9H06006	EPA 6020B	08/08/19 15:23	CRG	D

**Classical Chemistry Parameters**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.076		mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:41	KGonz	
Chloride [16887-00-6]^	4.9	I	mg/L	1	0.29	5.0	9G30016	EPA 300.0	07/30/19 22:34	RSA	J

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	105.69		Ft	1			9H01027	Field	07/29/19 12:48	DMC	
Dissolved Oxygen	0.56		mg/L	1	0	0	9H01027	Field	07/29/19 12:48	DMC	
Oxidation/Reduction Potential	-77.6		mV	1	-999	-999	9H01027	Field	07/29/19 12:48	DMC	
pH	6.17		pH Units	1			9H01027	Field	07/29/19 12:48	DMC	
Specific Conductance (EC)	360		umhos/cm	1	0	0	9H01027	Field	07/29/19 12:48	DMC	
Temperature	28.3		°C	1	0	0	9H01027	Field	07/29/19 12:48	DMC	
Turbidity	0.37		NTU	1	0	0	9H01027	Field	07/29/19 12:48	DMC	
Water Elevation	7.90		Ft	1			9H01027	Field	07/29/19 12:48	DMC	

**ANALYTICAL RESULTS**

**Description:** EQUIPMENT BLANK 1

**Lab Sample ID:** AC05516-04

**Received:** 07/30/19 14:10

**Matrix:** Ground Water

**Sampled:** 07/29/19 13:48

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H07024	EPA 8260D	08/07/19 14:39	MJH	QL-02, QV-01, U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U

**ANALYTICAL RESULTS**

**Description:** EQUIPMENT BLANK 1

**Lab Sample ID:** AC05516-04

**Received:** 07/30/19 14:10

**Matrix:** Ground Water

**Sampled:** 07/29/19 13:48

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H07024	EPA 8260D	08/07/19 14:39	MJH	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	52	1	50.0	105 %	41-142	9H07024	EPA 8260D	08/07/19 14:39	MJH		
Dibromofluoromethane	51	1	50.0	102 %	53-146	9H07024	EPA 8260D	08/07/19 14:39	MJH		
Toluene-d8	50	1	50.0	99 %	41-146	9H07024	EPA 8260D	08/07/19 14:39	MJH		

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9H05001	EPA 8011	08/06/19 14:41	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9H05001	EPA 8011	08/06/19 14:41	RGG	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.27	1	0.250	109 %	70-130	9H05001	EPA 8011	08/06/19 14:41	RGG		

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G31026	EPA 7470A	08/01/19 10:00	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Iron [7439-89-6]	25.0	U	ug/L	1	25.0	50.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Sodium [7440-23-5]	0.320	U	mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H06006	EPA 6020B	08/08/19 13:17	CRG	U



**ANALYTICAL RESULTS**

**Description:** EQUIPMENT BLANK 1

**Lab Sample ID:** AC05516-04

**Received:** 07/30/19 14:10

**Matrix:** Ground Water

**Sampled:** 07/29/19 13:48

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:42	KGonz	U
Chloride [16887-00-6]^	0.29	U	mg/L	1	0.29	5.0	9G30016	EPA 300.0	07/31/19 00:54	RSA	U
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G30016	EPA 300.0	07/31/19 00:54	RSA	U
Total Dissolved Solids^	10	U	mg/L	1	10	10	9G31035	SM 2540C-2011	08/01/19 19:33	AH	U

**ANALYTICAL RESULTS**

**Description:** MW-22  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05516-05  
**Sampled:** 07/29/19 15:15  
**Sampled By:** steve Messick

**Received:** 07/30/19 14:10  
**Work Order:** AC05516

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H07024	EPA 8260D	08/07/19 15:08	MJH	QL-02, QV-01, U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U



**ANALYTICAL RESULTS**

**Description:** MW-22  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05516-05  
**Sampled:** 07/29/19 15:15  
**Sampled By:** steve Messick

**Received:** 07/30/19 14:10  
**Work Order:** AC05516

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H07024	EPA 8260D	08/07/19 15:08	MJH	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	75	1	50.0	149 %	41-142	9H07024	EPA 8260D	08/07/19 15:08	MJH	QS-03	
Dibromofluoromethane	73	1	50.0	146 %	53-146	9H07024	EPA 8260D	08/07/19 15:08	MJH		
Toluene-d8	69	1	50.0	139 %	41-146	9H07024	EPA 8260D	08/07/19 15:08	MJH		

**Semivolatile Organic Compounds by GC**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	9H05001	EPA 8011	08/06/19 14:56	RGG	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	9H05001	EPA 8011	08/06/19 14:56	RGG	U
<b>Surrogates</b>											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.27	1	0.250	107 %	70-130	9H05001	EPA 8011	08/06/19 14:56	RGG		

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G31026	EPA 7470A	08/01/19 09:45	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Barium [7440-39-3]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Beryllium [7440-41-7]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Cobalt [7440-48-4]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Copper [7440-50-8]	2.50	U	ug/L	1	2.50	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
<b>Iron [7439-89-6]</b>	<b>237</b>		ug/L	1	25.0	50.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Nickel [7440-02-0]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Selenium [7782-49-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Silver [7440-22-4]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
<b>Sodium [7440-23-5]</b>	<b>3.30</b>		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	
Thallium [7440-28-0]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Vanadium [7440-62-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U
Zinc [7440-66-6]	25.0	U	ug/L	1	25.0	50.0	9H06006	EPA 6020B	08/08/19 14:07	CRG	U



**ANALYTICAL RESULTS**

**Description:** MW-22  
**Matrix:** Ground Water  
**Project:** Citrus Co. LF

**Lab Sample ID:** AC05516-05  
**Sampled:** 07/29/19 15:15  
**Sampled By:** steve Messick

**Received:** 07/30/19 14:10  
**Work Order:** AC05516

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9G31020	EPA 350.1	07/31/19 13:43	KGonz	U
Chloride [16887-00-6]^	<b>4.6</b>	I	mg/L	1	0.29	5.0	9G30016	EPA 300.0	07/31/19 01:10	RSA	J
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G30016	EPA 300.0	07/31/19 01:10	RSA	U
<b>Total Dissolved Solids^</b>	<b>260</b>		mg/L	1	10	10	9G31035	SM 2540C-2011	08/01/19 19:33	AH	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<b>Depth to Water</b>	<b>107.02</b>		Ft	1			9H01027	Field	07/29/19 15:15	DMC	
<b>Dissolved Oxygen</b>	<b>0.39</b>		mg/L	1	0	0	9H01027	Field	07/29/19 15:15	DMC	
<b>Oxidation/Reduction Potential</b>	<b>-19.1</b>		mV	1	-999	-999	9H01027	Field	07/29/19 15:15	DMC	
<b>pH</b>	<b>6.92</b>		pH Units	1			9H01027	Field	07/29/19 15:15	DMC	
<b>Specific Conductance (EC)</b>	<b>507</b>		umhos/cm	1	0	0	9H01027	Field	07/29/19 15:15	DMC	
<b>Temperature</b>	<b>30.1</b>		°C	1	0	0	9H01027	Field	07/29/19 15:15	DMC	
<b>Turbidity</b>	<b>4.83</b>		NTU	1	0	0	9H01027	Field	07/29/19 15:15	DMC	
<b>Water Elevation</b>	<b>6.77</b>		Ft	1			9H01027	Field	07/29/19 15:15	DMC	

**ANALYTICAL RESULTS**

**Description:** TRIP BLANK 4

**Lab Sample ID:** AC05516-06

**Received:** 07/30/19 14:10

**Matrix:** Water

**Sampled:** 07/29/19 00:00

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** ENCO ORL

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Acetone [67-64-1]^	10	U	ug/L	1	10	20	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	9H07024	EPA 8260D	08/07/19 15:37	MJH	QL-02, QV-01, U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U



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### ANALYTICAL RESULTS

**Description:** TRIP BLANK 4

**Lab Sample ID:** AC05516-06

**Received:** 07/30/19 14:10

**Matrix:** Water

**Sampled:** 07/29/19 00:00

**Work Order:** AC05516

**Project:** Citrus Co. LF

**Sampled By:** ENCO ORL

### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H07024	EPA 8260D	08/07/19 15:37	MJH	U

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	55	1	50.0	110 %	41-142	9H07024	EPA 8260D	08/07/19 15:37	MJH	
Dibromofluoromethane	53	1	50.0	106 %	53-146	9H07024	EPA 8260D	08/07/19 15:37	MJH	
Toluene-d8	51	1	50.0	102 %	41-146	9H07024	EPA 8260D	08/07/19 15:37	MJH	

**QUALITY CONTROL DATA**

**Volatile Organic Compounds by GCMS - Quality Control**

*Batch 9H07024 - EPA 5030B\_MS*

**Blank (9H07024-BLK1)**

Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 11:46

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							U
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							U
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							U
1,1-Dichloroethane	0.62	U	1.0	ug/L							U
1,1-Dichloroethene	0.94	U	1.0	ug/L							U
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							U
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							U
1,2-Dichloroethane	0.63	U	1.0	ug/L							U
1,2-Dichloropropane	0.80	U	1.0	ug/L							U
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							U
2-Butanone	4.5	U	5.0	ug/L							U
2-Hexanone	1.4	U	5.0	ug/L							U
4-Methyl-2-pentanone	0.79	U	5.0	ug/L							U
Acetone	10	U	20	ug/L							U
Acrylonitrile	3.2	U	10	ug/L							U
Benzene	0.71	U	1.0	ug/L							U
Bromochloromethane	0.94	U	1.0	ug/L							U
Bromodichloromethane	0.52	U	1.0	ug/L							U
Bromoform	0.75	U	1.0	ug/L							U
Bromomethane	0.95	U	1.0	ug/L							U
Carbon disulfide	2.6	U	5.0	ug/L							U
Carbon tetrachloride	0.94	U	1.0	ug/L							U
Chlorobenzene	0.72	U	1.0	ug/L							U
Chloroethane	0.98	U	1.0	ug/L							U
Chloroform	0.80	U	1.0	ug/L							U
Chloromethane	0.82	U	1.0	ug/L							U
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							U
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							U
Dibromochloromethane	0.44	U	1.0	ug/L							U
Dibromomethane	0.84	U	1.0	ug/L							U
Ethylbenzene	0.69	U	1.0	ug/L							U
Iodomethane	0.72	U	5.0	ug/L							U
m,p-Xylenes	1.3	U	2.0	ug/L							U
Methylene chloride	2.0	U	5.0	ug/L							U
o-Xylene	0.53	U	1.0	ug/L							U
Styrene	0.61	U	1.0	ug/L							U
Tetrachloroethene	0.76	U	1.0	ug/L							U
Toluene	0.72	U	1.0	ug/L							U
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							U
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							U
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							U
Trichloroethene	0.89	U	1.0	ug/L							U
Trichlorofluoromethane	0.94	U	1.0	ug/L							U
Vinyl acetate	0.60	U	5.0	ug/L							U
Vinyl chloride	0.71	U	1.0	ug/L							U
Xylenes (Total)	1.3	U	2.0	ug/L							U
<i>4-Bromofluorobenzene</i>	<i>54</i>			<i>ug/L</i>	<i>50.0</i>		<i>108</i>	<i>41-142</i>			
<i>Dibromofluoromethane</i>	<i>50</i>			<i>ug/L</i>	<i>50.0</i>		<i>100</i>	<i>53-146</i>			

**QUALITY CONTROL DATA**

**Volatile Organic Compounds by GCMS - Quality Control**

*Batch 9H07024 - EPA 5030B\_MS - Continued*

**Blank (9H07024-BLK1) Continued**

Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 11:46

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene-d8	49			ug/L	50.0		98	41-146			

**LCS (9H07024-BS1)**

Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 10:19

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		82	47-139			
Benzene	15		1.0	ug/L	20.0		74	56-136			
Chlorobenzene	16		1.0	ug/L	20.0		78	51-139			
Methylene chloride	16		5.0	ug/L	20.0		79	43-142			
Toluene	16		1.0	ug/L	20.0		78	64-131			
Trichloroethene	13		1.0	ug/L	20.0		67	62-135			
Vinyl chloride	16		1.0	ug/L	20.0		80	20-167			
4-Bromofluorobenzene	52			ug/L	50.0		104	41-142			
Dibromofluoromethane	51			ug/L	50.0		103	53-146			
Toluene-d8	49			ug/L	50.0		98	41-146			

**Matrix Spike (9H07024-MS1)**

Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 13:12

**Source: AC05403-05**

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.94 U	118	47-139			
Benzene	21		1.0	ug/L	20.0	0.71 U	107	56-136			
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	109	51-139			
Methylene chloride	22		5.0	ug/L	20.0	2.0 U	110	43-142			
Toluene	22		1.0	ug/L	20.0	0.72 U	112	64-131			
Trichloroethene	20		1.0	ug/L	20.0	0.89 U	101	62-135			
Vinyl chloride	24		1.0	ug/L	20.0	0.71 U	121	20-167			
4-Bromofluorobenzene	53			ug/L	50.0		105	41-142			
Dibromofluoromethane	51			ug/L	50.0		101	53-146			
Toluene-d8	49			ug/L	50.0		98	41-146			

**Matrix Spike Dup (9H07024-MSD1)**

Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 13:41

**Source: AC05403-05**

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.94 U	121	47-139	3	16	
Benzene	21		1.0	ug/L	20.0	0.71 U	107	56-136	0.1	14	
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	111	51-139	1	13	
Methylene chloride	22		5.0	ug/L	20.0	2.0 U	109	43-142	1	23	
Toluene	23		1.0	ug/L	20.0	0.72 U	113	64-131	1	16	
Trichloroethene	20		1.0	ug/L	20.0	0.89 U	101	62-135	0	20	
Vinyl chloride	24		1.0	ug/L	20.0	0.71 U	119	20-167	2	24	
4-Bromofluorobenzene	53			ug/L	50.0		106	41-142			
Dibromofluoromethane	50			ug/L	50.0		101	53-146			
Toluene-d8	49			ug/L	50.0		99	41-146			

**Semivolatile Organic Compounds by GC - Quality Control**

*Batch 9H05001 - EPA 504/8011*

**QUALITY CONTROL DATA**

**Semivolatile Organic Compounds by GC - Quality Control**

*Batch 9H05001 - EPA 504/8011 - Continued*

**Blank (9H05001-BLK1)**

Prepared: 08/05/2019 07:08 Analyzed: 08/06/2019 10:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							U
1,2-Dibromoethane	0.004	U	0.020	ug/L							U
1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		107	70-130			

**LCS (9H05001-BS1)**

Prepared: 08/05/2019 07:08 Analyzed: 08/06/2019 11:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.20		0.020	ug/L	0.250		78	61-139			
1,2-Dibromoethane	0.26		0.020	ug/L	0.250		102	65-133			
1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		107	70-130			

**Matrix Spike (9H05001-MS1)**

Prepared: 08/05/2019 07:08 Analyzed: 08/06/2019 11:18

Source: AC05586-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.20		0.020	ug/L	0.250	0.012 U	79	61-139			
1,2-Dibromoethane	0.26		0.020	ug/L	0.250	0.004 U	105	65-133			
1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		108	70-130			

**Matrix Spike Dup (9H05001-MSD1)**

Prepared: 08/05/2019 07:08 Analyzed: 08/06/2019 11:34

Source: AC05586-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.21		0.020	ug/L	0.250	0.012 U	82	61-139	4	12	
1,2-Dibromoethane	0.27		0.020	ug/L	0.250	0.004 U	108	65-133	3	17	
1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		107	70-130			

**Metals by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G31026 - EPA 7470A*

**Blank (9G31026-BLK1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 08:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**Blank (9G31026-BLK2)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 08:59

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							U

**Blank (9G31026-BLK3)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**QUALITY CONTROL DATA**

**Metals by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9G31026 - EPA 7470A - Continued*

**LCS (9G31026-BS1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.05		0.200	ug/L	5.00		101	80-120			

**Matrix Spike (9G31026-MS1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:14

Source: AC05453-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	49.7		2.00	ug/L	50.0	0.230 U	99	75-125			

**Matrix Spike Dup (9G31026-MSD1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:17

Source: AC05453-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	50.2		2.00	ug/L	50.0	0.230 U	100	75-125	0.9	20	

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H06006 - EPA 3005A*

**Blank (9H06006-BLK1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:23

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							U
Arsenic	5.00	U	10.0	ug/L							U
Barium	50.0	U	100	ug/L							U
Beryllium	0.500	U	1.00	ug/L							U
Cadmium	0.500	U	3.00	ug/L							U
Chromium	5.00	U	10.0	ug/L							U
Cobalt	5.00	U	10.0	ug/L							U
Copper	2.50	U	10.0	ug/L							U
Iron	25.0	U	50.0	ug/L							U
Lead	2.50	U	5.00	ug/L							U
Nickel	5.00	U	10.0	ug/L							U
Selenium	5.00	U	10.0	ug/L							U
Silver	0.500	U	1.00	ug/L							U
Sodium	0.500	U	1.00	mg/L							U
Thallium	0.500	U	1.00	ug/L							U
Vanadium	5.00	U	10.0	ug/L							U
Zinc	25.0	U	50.0	ug/L							U

**Blank (9H06006-BLK2)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:28

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.250	U	0.500	ug/L							U
Arsenic	0.500	U	1.00	ug/L							U
Barium	5.00	U	10.0	ug/L							U
Beryllium	0.0500	U	0.100	ug/L							U
Cadmium	0.0500	U	0.300	ug/L							U
Chromium	0.500	U	1.00	ug/L							U
Cobalt	0.500	U	1.00	ug/L							U
Copper	0.250	U	1.00	ug/L							U
Iron	2.50	U	5.00	ug/L							U



**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H06006 - EPA 3005A - Continued*

**Blank (9H06006-BLK2) Continued**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:28

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Lead	0.250	U	0.500	ug/L							U
Nickel	0.500	U	1.00	ug/L							U
Selenium	0.500	U	1.00	ug/L							U
Silver	0.0500	U	0.100	ug/L							U
Sodium	0.0500	U	0.100	mg/L							U
Thallium	0.0500	U	0.100	ug/L							U
Vanadium	0.500	U	1.00	ug/L							U
Zinc	2.50	U	5.00	ug/L							U

**LCS (9H06006-BS1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:32

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	51.3		5.00	ug/L	50.0		103	80-120			
Arsenic	491		10.0	ug/L	500		98	80-120			
Barium	518		100	ug/L	500		104	80-120			
Beryllium	49.0		1.00	ug/L	50.0		98	80-120			
Cadmium	50.1		3.00	ug/L	50.0		100	80-120			
Chromium	520		10.0	ug/L	500		104	80-120			
Cobalt	503		10.0	ug/L	500		101	80-120			
Copper	508		10.0	ug/L	500		102	80-120			
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	507		5.00	ug/L	500		101	80-120			
Nickel	509		10.0	ug/L	500		102	80-120			
Selenium	483		10.0	ug/L	500		97	80-120			
Silver	52.4		1.00	ug/L	50.0		105	80-120			
Sodium	25.6		1.00	mg/L	25.0		103	80-120			
Thallium	50.7		1.00	ug/L	50.0		101	80-120			
Vanadium	503		10.0	ug/L	500		101	80-120			
Zinc	485		50.0	ug/L	500		97	80-120			

**Matrix Spike (9H06006-MS1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:39

**Source: AC05233-01**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	50.4		5.00	ug/L	50.0	2.50 U	101	75-125			
Arsenic	501		10.0	ug/L	500	6.52	99	75-125			
Barium	527		100	ug/L	500	50.0 U	105	75-125			
Beryllium	48.9		1.00	ug/L	50.0	0.500 U	98	75-125			
Cadmium	50.2		3.00	ug/L	50.0	0.500 U	100	75-125			
Chromium	532		10.0	ug/L	500	5.00 U	106	75-125			
Cobalt	514		10.0	ug/L	500	5.00 U	103	75-125			
Copper	513		10.0	ug/L	500	2.50 U	103	75-125			
Iron	2130		50.0	ug/L	1000	1000	113	75-125			
Lead	510		5.00	ug/L	500	2.50 U	102	75-125			
Nickel	518		10.0	ug/L	500	5.00 U	104	75-125			
Selenium	486		10.0	ug/L	500	5.00 U	97	75-125			
Silver	51.0		1.00	ug/L	50.0	0.500 U	102	75-125			
Sodium	31.5		1.00	mg/L	25.0	5.69	103	75-125			
Thallium	51.2		1.00	ug/L	50.0	0.500 U	102	75-125			
Vanadium	510		10.0	ug/L	500	5.00 U	102	75-125			

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H06006 - EPA 3005A - Continued*

**Matrix Spike (9H06006-MS1) Continued**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:39

Source: AC05233-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	488		50.0	ug/L	500	25.0 U	98	75-125			

**Matrix Spike Dup (9H06006-MSD1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:43

Source: AC05233-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	51.4		5.00	ug/L	50.0	2.50 U	103	75-125	2	20	
Arsenic	508		10.0	ug/L	500	6.52	100	75-125	1	20	
Barium	529		100	ug/L	500	50.0 U	106	75-125	0.5	20	
Beryllium	49.9		1.00	ug/L	50.0	0.500 U	100	75-125	2	20	
Cadmium	50.8		3.00	ug/L	50.0	0.500 U	102	75-125	1	20	
Chromium	524		10.0	ug/L	500	5.00 U	105	75-125	1	20	
Cobalt	507		10.0	ug/L	500	5.00 U	101	75-125	1	20	
Copper	509		10.0	ug/L	500	2.50 U	102	75-125	0.7	20	
Iron	2120		50.0	ug/L	1000	1000	112	75-125	0.3	20	
Lead	509		5.00	ug/L	500	2.50 U	102	75-125	0.1	20	
Nickel	511		10.0	ug/L	500	5.00 U	102	75-125	1	20	
Selenium	491		10.0	ug/L	500	5.00 U	98	75-125	1	20	
Silver	51.8		1.00	ug/L	50.0	0.500 U	104	75-125	2	20	
Sodium	31.4		1.00	mg/L	25.0	5.69	103	75-125	0.5	20	
Thallium	50.8		1.00	ug/L	50.0	0.500 U	102	75-125	0.7	20	
Vanadium	505		10.0	ug/L	500	5.00 U	101	75-125	0.9	20	
Zinc	484		50.0	ug/L	500	25.0 U	97	75-125	0.8	20	

**Classical Chemistry Parameters - Quality Control**

*Batch 9G30016 - NO PREP*

**Blank (9G30016-BLK1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 21:32

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							U
Nitrate as N	0.052	U	1.0	mg/L							U

**LCS (9G30016-BS1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 21:47

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	47		5.0	mg/L	50.0		94	90-110			
Nitrate as N	24		1.0	mg/L	25.0		97	90-110			

**Matrix Spike (9G30016-MS1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 22:03

Source: AC05516-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	4.9	98	90-110			
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	98	90-110			

**Matrix Spike (9G30016-MS2)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 23:36

Source: AC05266-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

*Batch 9G30016 - NO PREP - Continued*

**Matrix Spike (9G30016-MS2) Continued**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 23:36

Source: AC05266-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0	5.2	90	90-110			QM-11
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110			

**Matrix Spike Dup (9G30016-MSD1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 22:18

Source: AC05516-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	53		5.0	mg/L	50.0	4.9	96	90-110	2	10	
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110	1	10	

**Matrix Spike Dup (9G30016-MSD2)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 23:52

Source: AC05266-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	56		5.0	mg/L	50.0	5.2	103	90-110	12	10	QM-11
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	100	90-110	3	10	

*Batch 9G31020 - NO PREP*

**Blank (9G31020-BLK1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:15

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.0098	U	0.020	mg/L							U

**LCS (9G31020-BS1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:16

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.96		0.020	mg/L	1.00		96	90-110			

**Matrix Spike (9G31020-MS1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:22

Source: AC05472-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.7		0.020	mg/L	1.00	0.88	86	90-110			QM-07

**Matrix Spike (9G31020-MS2)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:44

Source: AC05516-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.93		0.020	mg/L	1.00	0.0098 U	93	90-110			

**Matrix Spike Dup (9G31020-MSD1)**

Prepared: 07/31/2019 11:38 Analyzed: 07/31/2019 13:23

Source: AC05472-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.7		0.020	mg/L	1.00	0.88	86	90-110	0	10	QM-07

*Batch 9G31035 - NO PREP*

**Blank (9G31035-BLK1)**

Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

*Batch 9G31035 - NO PREP - Continued*

**Blank (9G31035-BLK1) Continued** Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Total Dissolved Solids	10	U	10	mg/L							U

**LCS (9G31035-BS1)** Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Total Dissolved Solids	940		10	mg/L	1000		94	90-110			

**Duplicate (9G31035-DUP1)** Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

**Source: AC04863-02**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Total Dissolved Solids	270		10	mg/L		270			0.7	20	

## FLAGS/NOTES AND DEFINITIONS

<b>PQL</b>	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
<b>B</b>	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
<b>I</b>	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
<b>J</b>	Estimated value.
<b>K</b>	Off-scale low; Actual value is known to be less than the value given.
<b>L</b>	Off-scale high; Actual value is known to be greater than value given.
<b>M</b>	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
<b>N</b>	Presumptive evidence of presence of material.
<b>O</b>	Sampled, but analysis lost or not performed.
<b>Q</b>	Sample exceeded the accepted holding time.
<b>T</b>	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
<b>U</b>	Indicates that the compound was analyzed for but not detected.
<b>V</b>	Indicates that the analyte was detected in both the sample and the associated method blank.
<b>Y</b>	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
<b>Z</b>	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
<b>?</b>	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
<b>*</b>	Not reported due to interference.
<b>[CALC]</b>	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
<b>QL-02</b>	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
<b>QM-07</b>	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
<b>QM-11</b>	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
<b>QS-03</b>	Surrogate recovery outside acceptance limits
<b>QV-01</b>	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.



**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

10775 Central Port Dr.  
Orlando, FL 32824  
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111  
Jacksonville, FL 32216-6069  
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.  
Cary, NC 27511  
(919) 467-3090 Fax (919) 467-3515

Client Name <b>Jones Edmunds &amp; Associates, Inc. (JO006)</b>		Project Number <b>03860-069-01</b>		Requested Analyses								Requested Turnaround Times										
Address <b>730 N.E. Waldo Road Bldg. A</b>		Project Name/Desc <b>Citrus Co. LF</b>		8011	8260D Appendix 1 FL	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Na, Ni, Pb, Sb, Se, Tl, V, Zn, Hg	As/F, As/F, Ba/F, Be/F, Bi/F, Cd/F, Co/F, Cr/F, Cu/F, Fe/F, Ni/F, Ni/F, Pb/F, Sb/F, Se/F, Tl/F, V/F, Zn/F, Hg/F	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	8260D (Benzene, Methylene Chloride, Vinyl Chloride)	Note: Rush requests subject to acceptance by the facility									
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info											<input checked="" type="checkbox"/> Standard		<input type="checkbox"/> Expedited							
Tel <b>(352) 377-5821</b>		Fax <b>(352) 377-3166</b>											Reporting Contact <b>Elizabeth Kennelley</b>		Due <u>  </u> / <u>  </u> / <u>  </u>							
Sampler(s) Name, Affiliation (Print) <b>Steve Messick, Jones Edmunds &amp; Assoc. Inc.</b>		Billing Contact <b>Accounts Payable</b>											Preservation (See Codes) (Combine as necessary)								Lab Workorder <b>AC05516 PMA AC04883 5/30/19</b>	
Sampler(s) Signature <i>Steve Messick</i>		Site Location / Time Zone <b>Le canto, FL. / EST</b>																				

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Requested Analyses								Sample Comments			
1	MW-18 (1952CC-18)	7/29/19	0955	G	GW	2	✓	✓										
2	MW-18D (1952CC-18D)		1119	G	GW	3	✓	✓	✓									
3	MW-19D (1952CC-19D)		1248	G	GW	5	✓	✓	✓	✓	✓							
4	Blank #1 (1952CC-ERG1)		1348	G	O	7	✓	✓	✓	✓	✓	✓	✓	✓				field cleaned ESP Wash with dist water
5	MW-22 (1952CC-22)		1515	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓				
6	TRIP Blank (1952CC-TB4)		-	-	O	2	✓											QA/QC

Sample Kit Prepared By <b>ECC</b>	Date/Time <b>07/09/19 12:05</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>07/09/19 12:05</b>	Received By <i>Steve Messick</i>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <b>Samples shipped by Greyhound Bus Priority from Gainesville to Orlando, FL. 1 Cooler</b>		Relinquished By <i>Steve Messick</i>	Date/Time <b>7/29/19 @ 1630</b>	Received By <i>Rosa Maral</i>	Date/Time <b>7/30/19 14:10</b>
Cooler #'s & Temps on Receipt <b>Med-475 1.5°C</b>				Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Jones, Edmunds, and Associates, Inc.  
 Environmental Consultants  
 730 NE Waldo Road  
 Gainesville, Florida 32641  
 (352) 377-5821 Fax (352) 377-3166

**Please return a copy of this  
 form with original lab report.**

Collection Method:	Description:
BA	BAILER
BP	BLADDER PUMP
CP	CENTRIFUGAL PUMP
E	GRAB
M	METER READING
PP	PERISTALTIC PUMP
SP	SUBMERSIBLE OR IN-PLACE DEDICATED PUMP
Z	UNKNOWN

\* Initial Depth to Water at Time of Sampling

### Field Data Information Form

Project Name: Citrus County - Central Class I Landfill  
 Project Number: 03860-069-01  
 Date: 7/29/19  
 Sampler: Steve Messick  
 Laboratory: ENCO Lab - Orlando, Florida

Sampling Station	Date	Time	pH (S. U.)	Temp (Deg C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Static Depth to Water *	Collection Method
MW-18	7/28/19	0955	4.98	24.1	44	2.28	4.9	227.1	106.95	SP
MW-18D		1119	5.09	29.3	37	1.03	0.7	120.5	106.57	CP
MW-19D		1248	6.17	28.3	360	0.56	0.4	-77.6	105.69	CP
MW-22		1515	6.92	30.1	507	0.39	4.83	-19.1	102.02	CP
Retention Pond		↓ 1550	8.58	34.3	497	10.37	27.1	61.9	—	E Pond

**TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY**

**ATTACHMENT 6**  
**FIELD DATA SHEETS**



# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-17 Flush Mount</b>	WELL WACS NO: <b>22017</b>	SAMPLE ID: <b>19S2CC-17</b>	DATE: <b>7/23/19</b>

## PURGING DATA

WELL DIAMETER (in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>98.00 ft</b> to <b>118.00 ft**</b>	STATIC DEPTH TO WATER (feet): <b>104.46</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (117.58 feet - 104.46 feet) X 0.16 gallons/foot = <b>2.1</b> gallons				Water Level measured with: <b>MOMENT-01</b> PURGE METHOD: <b>2.5</b>
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = 0.15 gallons + (0.0026 gallons/foot X <b>125</b> feet) + 0.123 gallons = <b>0.6</b> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>116</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>116</b>		PURGING INITIATED AT: <b>1006</b>
				PURGING ENDED AT: <b>1059</b>
				TOTAL VOLUME PURGED (gallons): <b>3.3</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1039	2.1	2.1	0.36	104.55	5.70	24.6	225	0.32	1.77	None Clear	None	6.0
1049	0.6	2.7	↓	104.55	5.71	24.6	227	0.29	1.73	↓	↓	2.6
1059	0.6	3.3	↓	104.55	5.72	24.6	230	0.26	1.68	↓	↓	-4.2

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1101</b>	SAMPLING ENDED AT: <b>1107</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>116</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1-240</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>	
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> (N)	FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N) FILTER SIZE: _____ µm Filtration Equipment Type: _____		DUPLICATE: Y <input checked="" type="checkbox"/> (N)		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-17	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
19S2CC-17	2	CG	40 mL	4°C	-	N/A	8011 EDB
19S2CC-17	1	PE	250 mL	HNO3	-	≤ 2	Iron, Mercury, Sodium
19S2CC-17	1	PE	250 mL	H2SO4	-	≤ 2	Ammonia Nitrogen
19S2CC-17	1	PE	250 mL	4°C	-	N/A	Chlorides, Nitrate, TDS

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at MW-17
- \*\* Screened interval referenced is depth below Top of Casing
- Sky Conditions: mostly clear Ambient Air Temperature: 28°C
- Approx. Wind Speed and Direction: 3 mph

Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting:   
 Bladder Pump: CPM 4 Refill/Discharge 9.6 sec Pressure 60 PSI  
 Total Tubing Length: 8 feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_  
 Flush mount well, vented > 15 Minutes before reading water level.

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-15 Flush Mount</b>	WELL WACS NO: <b>22015</b>	SAMPLE ID: <b>19S2CC-15</b>	DATE: <b>7/23/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>109.60 ft</b> to <b>129.60 ft**</b>	STATIC DEPTH TO WATER (feet): <b>116.96</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (129.60 feet - 116.96 feet) X <sup>0.16</sup> gallons/foot = <b>2.0</b> gallons				Water Level measured with: <b>MFM-GNV-01</b> PURGE METHOD: <b>2.5</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = 0.15 gallons + (0.0026 gallons/foot X <b>135</b> feet) + 0.123 gallons = <b>0.6</b> gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>128</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>128</b>		PURGING INITIATED AT: <b>1124</b>								
				PURGING ENDED AT: <b>1203</b>								
				TOTAL VOLUME PURGED (gallons): <b>3.2</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1147</b>	<b>2.0</b>	<b>2.0</b>	<b>0.08</b>	<b>117.02</b>	<b>5.00</b>	<b>23.6</b>	<b>53</b>	<b>0.24</b>	<b>2.52</b>	<b>None Clear</b>	<b>None</b>	<b>70.8</b>
<b>1155</b>	<b>0.6</b>	<b>2.6</b>	<b>↓</b>	<b>117.02</b>	<b>5.00</b>	<b>23.6</b>	<b>53</b>	<b>0.26</b>	<b>2.09</b>	<b>↓</b>	<b>↓</b>	<b>67.9</b>
<b>1203</b>	<b>0.6</b>	<b>3.2</b>	<b>↓</b>	<b>117.02</b>	<b>5.00</b>	<b>23.6</b>	<b>53</b>	<b>0.28</b>	<b>2.70</b>	<b>↓</b>	<b>↓</b>	<b>63.1</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1205</b>	SAMPLING ENDED AT: <b>1212</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>128</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1.350</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>	
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N FILTER SIZE: _____ µm		DUPLICATE: Y <input checked="" type="checkbox"/> N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
<b>19S2CC-15</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	-	<b>N/A</b>	<b>8260 AP1 LOW</b>
<b>19S2CC-15</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	-	<b>N/A</b>	<b>8011 EDB</b>
<b>19S2CC-15</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	-	<b>*</b>	<b>Iron, Mercury, Sodium</b>
<b>19S2CC-15</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	-	<b>*</b>	<b>Ammonia Nitrogen</b>
<b>19S2CC-15</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	-	<b>N/A</b>	<b>Chlorides, Nitrate, TDS</b>

**REMARKS:**

• Verified Sample pH as <2 or >12 (as applicable) at **MW-17**  
 \*\* Screened interval referenced is depth below Top of Casing  
 Sky Conditions: **Cloudy** Ambient Air Temperature: **32°C**  
 Approx. Wind Speed and Direction: **0-Tmph W**

Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting: \_\_\_\_\_  
 Bladder Pump: CPM **3** Refill/Discharge **15/15** sec Pressure **60** PSI  
 Total Tubing Length: **8** feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_  
 Flush mount well, vented > 15 Minutes before reading water level.

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-14 Flush Mount</b>	WELL WACS NO: <b>22014</b>	SAMPLE ID: <b>19S2CC-14</b>	DATE: <b>7/23/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>96.00 ft</b> to <b>116.00 ft**</b>	STATIC DEPTH TO WATER (feet): <b>102.19</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (116.09 feet - <b>102.19</b> feet) X <sup>0.16</sup> gallons/foot = <b>2.2</b> gallons				Water Level measured with: <b>MFM-GNV-01</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = 0.15 gallons + (0.0026 gallons/foot X <b>125</b> feet) + 0.123 gallons = <b>0.6</b> gallons				PURGE METHOD: <b>2.5</b>								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>115</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>115</b>	PURGING INITIATED AT: <b>1219</b>	PURGING ENDED AT: <b>1316</b>	TOTAL VOLUME PURGED (gallons): <b>3.4</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1256</b>	<b>2.2</b>	<b>2.2</b>	<b>0.06</b>	<b>102.21</b>	<b>6.95</b>	<b>24.3</b>	<b>504</b>	<b>1.08</b>	<b>4.11</b>	<b>None Clear</b>	<b>None</b>	<b>91.7</b>
<b>1306</b>	<b>0.6</b>	<b>2.8</b>	<b>↓</b>	<b>102.21</b>	<b>6.94</b>	<b>24.4</b>	<b>505</b>	<b>1.01</b>	<b>3.66</b>	<b>↓</b>	<b>↓</b>	<b>90.8</b>
<b>1316</b>	<b>0.6</b>	<b>3.4</b>	<b>↓</b>	<b>102.21</b>	<b>6.94</b>	<b>24.4</b>	<b>506</b>	<b>0.98</b>	<b>3.98</b>	<b>↓</b>	<b>↓</b>	<b>87.7</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1318</b>	SAMPLING ENDED AT: <b>1325</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>115</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>7-225</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>			
FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input type="radio"/>	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/> FILTER SIZE: _____ µm		DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>				
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)		FINAL PH*
<b>19S2CC-14</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	<b>-</b>	<b>N/A</b>	<b>8260 AP1 LOW</b>
<b>19S2CC-14</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>	<b>8011 EDB</b>
<b>19S2CC-14</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	<b>-</b>	<b>*</b>	<b>Iron, Mercury, Sodium</b>
<b>19S2CC-14</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	<b>-</b>	<b>*</b>	<b>Ammonia Nitrogen</b>
<b>19S2CC-14</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>	<b>Chlorides, Nitrate, TDS</b>
REMARKS:							
<ul style="list-style-type: none"> <li>• Verified Sample pH as &lt;2 or &gt;12 (as applicable) at <b>MW-17</b></li> <li>** Screened interval referenced is depth below Top of Casing</li> </ul> Sky Conditions: <b>Clear</b> Ambient Air Temperature: <b>33°C</b> Approx. Wind Speed and Direction: <b>0-7 mph W</b> Grundfos Settings: <input checked="" type="checkbox"/> HZ Peristaltic Setting: <input type="checkbox"/> Bladder Pump: CPM <b>4</b> Refill/Discharge <b>916</b> sec Pressure <b>60</b> PSI Total Tubing Length: _____ feet (New Tubing)							
COMMENTS: Total Well Depth = _____ by _____ date _____ Flush mount well, vented > 15 Minutes before reading water level.							

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-13 Flush Mount</b>	WELL WACS NO: <b>22013</b>	SAMPLE ID: <b>19S2CC-13</b>	DATE: <b>7/23/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>99.50 ft</b> to <b>119.50 ft**</b>	STATIC DEPTH TO WATER (feet): <b>105.52</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (119.50 feet - 105.52 feet) X 0.16 gallons/foot = 2.2 gallons</b>				Water Level measured with: <b>MAM-GNV-01</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1 = 0.15 gallons + (0.0026 gallons/foot X 125 feet) + 0.123 gallons = 0.6 gallons</b>				PURGE METHOD: <b>2.5</b>								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	PURGING INITIATED AT: <b>1340</b>	PURGING ENDED AT: <b>1428</b>	TOTAL VOLUME PURGED (gallons): <b>3.6</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1408</b>	<b>2.2</b>	<b>2.2</b>	<b>0.07</b>	<b>106.19</b>	<b>5.35</b>	<b>24.2</b>	<b>71</b>	<b>0.35</b>	<b>4.58</b>	<b>None Clear</b>	<b>None</b>	<b>73.5</b>
<b>1418</b>	<b>0.7</b>	<b>2.9</b>	<b>↓</b>	<b>106.19</b>	<b>5.35</b>	<b>24.2</b>	<b>70</b>	<b>0.31</b>	<b>3.67</b>	<b>↓</b>	<b>↓</b>	<b>73.3</b>
<b>1428</b>	<b>0.7</b>	<b>3.6</b>	<b>↓</b>	<b>106.19</b>	<b>5.34</b>	<b>24.1</b>	<b>70</b>	<b>0.31</b>	<b>3.11</b>	<b>↓</b>	<b>↓</b>	<b>76.3</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>	SAMPLER(S) SIGNATURES: <i>Steve Messick</i>	SAMPLING INITIATED AT: <b>1430</b>	SAMPLING ENDED AT: <b>1437</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (ml / min): <b>1-300</b>	TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>
FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input checked="" type="radio"/> FILTER SIZE: _____ µm	DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
<b>19S2CC-13</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	-	<b>N/A</b>	<b>8260 AP1 LOW</b>
<b>19S2CC-13</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	-	<b>N/A</b>	<b>8011 EDB</b>
<b>19S2CC-13</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	-	<b>*</b>	<b>Iron, Mercury, Sodium</b>
<b>19S2CC-13</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	-	<b>*</b>	<b>Ammonia Nitrogen</b>
<b>19S2CC-13</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	-	<b>N/A</b>	<b>Chlorides, Nitrate, TDS</b>

### REMARKS:

• Verified Sample pH as <2 or >12 (as applicable) at **MW-17**  
 \*\* Screened interval referenced is depth below Top of Casing  
 Sky Conditions: **cloudy** Ambient Air Temperature: **32°C**  
 Approx. Wind Speed and Direction: **0 mph w**  
 Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting: \_\_\_\_\_  
 Bladder Pump: CPM **2** Refill/Discharge **15/15** sec Pressure **55** PSI  
 Total Tubing Length: \_\_\_\_\_ feet (New Tubing)

**COMMENTS: Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_**  
**Flush mount well, vented > 15 Minutes before reading water level.**

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-12 Flush Mount</b>	WELL WACS NO: <b>22012</b>	SAMPLE ID: <b>19S2CC-12</b>	DATE: <b>7/23/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>90.00 ft</b> to <b>110.00 ft</b> **	STATIC DEPTH TO WATER (feet): <b>97.05</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (110.00 feet - <b>97.05</b> feet) X <sup>0.16</sup> gallons/foot = <b>2.1</b> gallons				Water Level measured with: <b>MFM-GW-01</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = 0.15 gallons + (0.0026 gallons/foot X <b>115</b> feet) + 0.123 gallons = <b>0.6</b> gallons				PURGE METHOD: <b>2.5</b>								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>109</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>109</b>	PURGING INITIATED AT: <b>1448</b>	PURGING ENDED AT: <b>1511</b>	TOTAL VOLUME PURGED (gallons): <b>3.7</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1501</b>	<b>2.1</b>	<b>2.1</b>	<b>0.16</b>	<b>97.16</b>	<b>6.85</b>	<b>24.5</b>	<b>537</b>	<b>0.12</b>	<b>1.76</b>	<b>None CLEAR</b>	<b>None</b>	<b>-83.0</b>
<b>1506</b>	<b>0.8</b>	<b>2.9</b>	<b>↓</b>	<b>97.16</b>	<b>6.88</b>	<b>24.4</b>	<b>538</b>	<b>0.12</b>	<b>1.30</b>	<b>↓</b>	<b>↓</b>	<b>-87.7</b>
<b>1511</b>	<b>0.8</b>	<b>3.7</b>	<b>↓</b>	<b>97.15</b>	<b>6.89</b>	<b>24.5</b>	<b>537</b>	<b>0.13</b>	<b>1.03</b>	<b>↓</b>	<b>↓</b>	<b>-86.9</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>	SAMPLER(S) SIGNATURES: <i>Steve Messick</i>	SAMPLING INITIATED AT: <b>1513</b>	SAMPLING ENDED AT: <b>1519</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>109</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1-500</b>	TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> (N)	FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N) FILTER SIZE: _____ µm	DUPLICATE: Y <input checked="" type="checkbox"/> (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL. ADDED IN FIELD (mL)	FINAL PH*	
<b>19S2CC-12</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	<b>-</b>	<b>N/A</b>	<b>8260 AP1 LOW</b>
<b>19S2CC-12</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>	<b>8011 EDB</b>
<b>19S2CC-12</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	<b>-</b>	<b>X</b>	<b>Iron, Mercury, Sodium</b>
<b>19S2CC-12</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	<b>-</b>	<b>X</b>	<b>Ammonia Nitrogen</b>
<b>19S2CC-12</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>	<b>Chlorides, Nitrate, TDS</b>

### REMARKS:

• Verified Sample pH as <2 or >12 (as applicable) at **MW-12**  
 \*\* Screened interval referenced is depth below Top of Casing  
 Sky Conditions: **Cloudy** Ambient Air Temperature: **34°C**  
 Approx. Wind Speed and Direction: **0-7 mph S**  
 Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting: \_\_\_\_\_  
 Bladder Pump: CPM **2** Refill/Discharge **1/15** sec Pressure **55** PSI  
 Total Tubing Length: \_\_\_\_\_ feet (New Tubing)

**COMMENTS: Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_**  
**Flush mount well, vented > 15 Minutes before reading water level.**

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-11 Flush Mount</b>	WELL WACS NO: <b>22011</b>	SAMPLE ID: <b>19S2CC-11</b>	DATE: <b>7/23/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>91.50 ft</b> to <b>111.50 ft</b> **	STATIC DEPTH TO WATER (feet): <b>98.43</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (111.50 feet - <b>98.43</b> feet) X <sup>0.16</sup> gallons/foot = <b>2.1</b> gallons				Water Level measured with: <b>MFM-ENV-01</b> PURGE METHOD: <b>2.5</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = 0.15 gallons + (0.0026 gallons/foot X <b>120</b> feet) + 0.123 gallons = <b>0.6</b> gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>110</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>110</b>	PURGING INITIATED AT: <b>1532</b>	PURGING ENDED AT: <b>1613</b>	TOTAL VOLUME PURGED (gallons): <b>3.3</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1557</b>	<b>2.1</b>	<b>2.1</b>	<b>0.08</b>	<b>98.49</b>	<b>6.97</b>	<b>23.9</b>	<b>512</b>	<b>0.65</b>	<b>3.62</b>	<b>None Clear</b>	<b>None</b>	<b>60.1</b>
<b>1605</b>	<b>0.6</b>	<b>2.7</b>		<b>98.49</b>	<b>6.97</b>	<b>23.9</b>	<b>511</b>	<b>0.70</b>	<b>1.88</b>			<b>60.5</b>
<b>1613</b>	<b>0.6</b>	<b>3.3</b>	<b>↓</b>	<b>98.49</b>	<b>6.97</b>	<b>23.9</b>	<b>511</b>	<b>0.62</b>	<b>1.59</b>	<b>↓</b>	<b>↓</b>	<b>60.6</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>	SAMPLER(S) SIGNATURES: <i>Steve Messick</i>	SAMPLING INITIATED AT: <b>1515</b>	SAMPLING ENDED AT: <b>1622</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>110</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1-320</b>	TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> FILTER SIZE: _____ µm	DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
<b>19S2CC-11</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	-	<b>N/A</b>	<b>8260 AP1 LOW</b>
<b>19S2CC-11</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	-	<b>N/A</b>	<b>8011 EDB</b>
<b>19S2CC-11</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	-	<b>X</b>	<b>Iron, Mercury, Sodium</b>
<b>19S2CC-11</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	-	<b>X</b>	<b>Ammonia Nitrogen</b>
<b>19S2CC-11</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	-	<b>N/A</b>	<b>Chlorides, Nitrate, TDS</b>

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at **MW-17**
- \*\* Screened interval referenced is depth below Top of Casing

Sky Conditions: **Cloudy** Ambient Air Temperature: **32°C**  
 Approx. Wind Speed and Direction: **0-7 mph S**

Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting: \_\_\_\_\_  
 Bladder Pump: CPM **4** Refill/Discharge **10.5** sec Pressure **60** PSI  
 Total Tubing Length: \_\_\_\_\_ feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_  
 Flush mount well, vented > 15 Minutes before reading water level.



**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

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Client Name <b>Jones Edmunds &amp; Associates, Inc. (JO006)</b>		Project Number <b>03880-069-01</b>		<b>Requested Analyses</b>								Requested Turnaround Times Note : Rush requests subject to acceptance by the facility  <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited Due <u>  </u> / <u>  </u> / <u>  </u>	
Address <b>730 N.E. Waldo Road Bldg.A</b>		Project Name/Desc <b>Citrus Co. LF</b>		8011	8260D Appendix 1 FL	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Ni, Pb, Sb, Se, Tl, V, Zn, Hg	Ag, F, Au, Fe, Be, F, Be, F, Cu, F, Co, F, Cr, F, Cu, F, Fe, F, Na, F, Ni, F, Pb, F, Sb, F, Se, F, Tl, F, V, F, Zn, F, Hg, F	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C		
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info											
Tel <b>(352) 377-5821</b>		Fax <b>(352) 377-3166</b>		Reporting Contact <b>Elizabeth Kennelley</b>		<b>Preservation (See Codes) (Combine as necessary)</b>						Lab Workorder <b>AC04883</b>	
Sampler(s) Name, Affiliation (Print) <b>Steve Merrick, Jones Edmunds &amp; Assoc.</b>		Billing Contact <b>Accounts Payable</b>											
Sampler(s) Signature <i>Steve Merrick</i>		Site Location / Time Zone <b>Lecanto, FL / EST</b>											

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments	
1	MW-17 (1952CC-17)	7/23/19	1101	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2	MW-15 (1952CC-15)	↓	1205	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3	MW-14 (1952CC-14)		1318	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
4	MW-13 (1952CC-13)		1430	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
5	MW-12 (1952CC-12)		1513	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
6	MW-11 (1952CC-11)		1615	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
7	TRIP Blank #1 (1952CC-TB1)		-	-	-	O	2	✓									QA/QC
<-- Total # of Containers																	

Sample Kit Prepared By <b>ECG</b>	Date/Time <b>07/09/19 12:05</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>07/09/19 12:05</b>	Received By <b>Steve Merrick</b>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <b>Samples shipped by Greyhound Bus Priority from Gainesville to Orlando, FL.</b>		Relinquished By <b>Steve Merrick</b>	Date/Time <b>7/23/19 @ 1700</b>	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
Cooler #'s & Temps on Receipt <b>1 Cooler</b>				Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-3</b>	WELL WACS NO: <b>150</b>	SAMPLE ID: <b>19S2CC-3</b>	DATE: <b>7/25/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>3/8"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>98.65 ft</b> to <b>118.65 ft**</b>	STATIC DEPTH TO WATER (feet): <b>111.80</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (118.65 feet - 111.80 feet) X gallons/foot = 1.0 gallons</b>				Water Level measured with: <b>MFM-GNV-01</b>
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1 = 0.15 gallons + (0.006 gallons/foot X 125 feet) + 0.123 gallons = 1.0 gallons</b>				PURGE METHOD: <b>2.5</b>
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>117</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>117</b>	PURGING INITIATED AT: <b>0840</b>	PURGING ENDED AT: <b>0929</b>	TOTAL VOLUME PURGED (gallons): <b>3.0</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
0853	1.0	1.0	0.07	**	4.81	23.2	133	5.88	0.60	None Clear	None	284.3
0908	1.0	2.0	0.06	**	4.77	23.3	189	5.94	0.23			281.9
0929	1.0	3.0	0.04	**	4.70	23.3	133	6.03	0.25			285.1

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>	SAMPLER(S) SIGNATURES: <i>Steve Messick</i>	SAMPLING INITIATED AT: <b>0933</b>	SAMPLING ENDED AT: <b>0943</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>117</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>180</b>	TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>
FIELD DECONTAMINATION: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>	FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b> FILTER SIZE: _____ µm Filtration Equipment Type: _____	DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-3	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
19S2CC-3	2	CG	40 mL	4°C	-	N/A	8011 EDB
19S2CC-3	1	PE	250 mL	HNO3	-	~2	Iron, Mercury, Sodium
19S2CC-3	1	PE	250 mL	H2SO4	-	~2	Ammonia Nitrogen
19S2CC-3	1	PE	250 mL	4°C	-	N/A	Chlorides, Nitrate, TDS

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at **MW-3**
- \*\* Screened interval referenced is depth below Top of Casing

Sky Conditions: Cloudy Ambient Air Temperature: 25°C  
 Approx. Wind Speed and Direction: 3 mph

Grundfos Settings:    HZ Peristaltic Setting:     
 Bladder Pump: CPM 2 Refill/Discharge 20/10 sec Pressure 60 PSI  
 Total Tubing Length:    feet (New Tubing)

**COMMENTS:** Total Well Depth =    by    date   

*D.O. has been high the last 3 events, everything looks normal.  
 \*\* Water level is below the top of the pump.*



# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-7</b>	WELL WACS NO: <b>179</b>	SAMPLE ID: <b>19S2CC-7</b>	DATE: <b>7/25/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>3/8"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>119.06</b> ft to <b>139.06</b> ft**	STATIC DEPTH TO WATER (feet): <b>120.27</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>
WELL VOLUME PURGE: <b>1 WELL VOLUME</b> = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME</b> = ( <b>139.06</b> feet - <b>120.27</b> feet ) X <sup>0.16</sup> gallons/foot = <b>3.1</b> gallons				Water Level measured with: <b>MPM-GNU-01</b>
EQUIPMENT VOLUME PURGE: <b>1 EQUIPMENT VOL.</b> = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>l</b> = <b>0.15</b> gallons + ( <b>0.006</b> gallons/foot X <b>148</b> feet) + <b>0.123</b> gallons = <b>1.2</b> gallons				PURGE METHOD: <b>2.5</b>
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>138</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>138</b>	PURGING INITIATED AT: <b>1008</b>	PURGING ENDED AT: <b>1116</b>	TOTAL VOLUME PURGED (gallons): <b>5.5</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1044	3.1	3.1	0.08	131.00	5.10	25.2	104	0.23	1.05	None Clear	None	5.3
1059	1.2	4.3	↓	133.27	5.06	25.2	99	0.16	0.80	↓	↓	10.5
1116	1.2	5.5	↓	**	5.06	25.3	100	0.16	0.50	↓	↓	21.7

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1120</b>	SAMPLING ENDED AT: <b>1130</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>138</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>7-325</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>	
FIELD DECONTAMINATION: <b>Y</b> <input checked="" type="checkbox"/>	FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> FILTER SIZE: _____ µm		DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-7	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
19S2CC-7	2	CG	40 mL	4°C	-	N/A	8011 EDB
19S2CC-7	1	PE	250 mL	HNO3	-	*	Iron, Mercury, Sodium
19S2CC-7	1	PE	250 mL	H2SO4	-	*	Ammonia Nitrogen
19S2CC-7	1	PE	250 mL	4°C	-	N/A	Chlorides, Nitrate, TDS

**REMARKS:**

• Verified Sample pH as <2 or >12 (as applicable) at **MW-3**  
 \*\* Screened interval referenced is depth below Top of Casing  
 Sky Conditions: **Cloudy** Ambient Air Temperature: **25°C Light Rain**  
 Approx. Wind Speed and Direction: **<3 mph**  
 Grundfos Settings: **—** HZ Peristaltic Setting: **—**  
 Bladder Pump: CPM **1** Refill/Discharge **45/15** sec Pressure **65** PSI  
 Total Tubing Length: **—** feet (New Tubing)

**COMMENTS:** Total Well Depth = **—** by **—** date **—**  
**\*\* Water level is below the top of the pump**

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-20 Flush Mount</b>	WELL WACS NO: <b>23691</b>	SAMPLE ID: <b>19S2CC-20</b>	DATE: <b>7/25/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>105.70</b> ft to <b>125.70</b> ft**	STATIC DEPTH TO WATER (feet): <b>112.48</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (125.70 feet - <sup>0.16</sup> 112.48 feet) X gallons/foot = <b>2.1</b> gallons				Water Level measured with: <b>9120-624-01</b> PURGE METHOD: <b>2.5</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = 0.15 gallons + (0.0026 gallons/foot X <b>130</b> feet) + 0.123 gallons = <b>0.6</b> gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>124</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>124</b>	PURGING INITIATED AT: <b>1148</b>	PURGING ENDED AT: <b>1217</b>	TOTAL VOLUME PURGED (gallons): <b>3.5</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1205</b>	<b>2.1</b>	<b>2.1</b>	<b>0.12</b>	<b>112.53</b>	<b>6.26</b>	<b>25.5</b>	<b>791</b>	<b>0.13</b>	<b>2.63</b>	<b>1220</b>	<b>None</b>	<b>-121.9</b>
<b>1211</b>	<b>0.7</b>	<b>2.8</b>	<b>↓</b>	<b>112.53</b>	<b>6.25</b>	<b>25.5</b>	<b>785</b>	<b>0.10</b>	<b>2.13</b>	<b>↓</b>	<b>↓</b>	<b>-122.9</b>
<b>1217</b>	<b>0.7</b>	<b>3.5</b>	<b>↓</b>	<b>112.53</b>	<b>6.25</b>	<b>25.4</b>	<b>785</b>	<b>0.09</b>	<b>1.97</b>	<b>↓</b>	<b>↓</b>	<b>-122.6</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1220</b>	SAMPLING ENDED AT: <b>1230</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>124</b>	SAMPLE PUMP VOC Sampling Rate 100-400 mL/min: <input checked="" type="checkbox"/>	TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>				
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N	FILTER SIZE: _____ µm	DUPLICATE: Y <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)		FINAL PH*
<b>19S2CC-20</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	<b>-</b>	<b>N/A</b>	<b>8260 AP1 LOW</b>
<b>19S2CC-20</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>	<b>8011 EDB</b>
<b>19S2CC-20</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	<b>-</b>	<b>*</b>	<b>Iron, Mercury, Sodium</b>
<b>19S2CC-20</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	<b>-</b>	<b>*</b>	<b>Ammonia Nitrogen</b>
<b>19S2CC-20</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>	<b>Chlorides, Nitrate, TDS</b>

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at **MW-3**
- \*\* Screened interval referenced is depth below Top of Casing

Sky Conditions: **Cloudy** Ambient Air Temperature: **26°C** Rain off from now  
 Approx. Wind Speed and Direction: **0-5 mph W**

Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting: \_\_\_\_\_  
 Bladder Pump: CPM **2** Refill/Discharge **15/15** sec Pressure **60** PSI  
 Total Tubing Length: \_\_\_\_\_ feet (New Tubing)

COMMENTS: Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_  
 Flush mount well, vented > 15 Minutes before reading water level.

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-21 Flush Mount</b>	WELL WACS NO: <b>27449</b>	SAMPLE ID: <b>19S2CC-21</b>	DATE: <b>7/25/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>105.40</b> ft to <b>125.40</b> ft**	STATIC DEPTH TO WATER (feet): <b>107.86</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>
WELL VOLUME PURGE: <b>1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY</b> <b>1 WELL VOLUME = (125.40 feet - 107.86 feet) X <sup>0.16</sup> gallons/foot = 2.8 gallons</b>				Water Level measured with: <b>MFA-GNV-01</b>
EQUIPMENT VOLUME PURGE: <b>1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME</b> (only fill out if applicable) <b>1 = <sup>0.15</sup> gallons + (0.0026 gallons/foot X 130 feet) + 0.123 gallons = 0.6 gallons</b>				PURGE METHOD: <b>2.5</b>
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>124</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>124</b>	PURGING INITIATED AT: <b>1322</b>	PURGING ENDED AT: <b>1404</b>	TOTAL VOLUME PURGED (gallons): <b>4.2</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1350	2.8	2.8	0.10	108.49	5.09	24.4	113	0.10	13.8	light Brown Haze	Noise	33.1
1357	0.7	3.5	↓	108.49	5.14	24.4	115	0.11	13.7	↓		26.6
1404	0.7	4.2	↓	108.49	5.15	24.4	119	0.11	14.6	↓		22.4
							AFTER Filtering		0.36	None Clear		

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1406</b>	SAMPLING ENDED AT: <b>1415</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>124</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>4-375</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>	
FIELD DECONTAMINATION: <b>Y</b> <sup>(N)</sup>	FIELD-FILTERED: <input checked="" type="checkbox"/> <b>N</b> , FILTER SIZE: <b>1</b> µm Filtration Equipment Type: <b>in line high capacity</b>		DUPLICATE: <b>Y</b> <sup>(N)</sup>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-21	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
19S2CC-21	2	CG	40 mL	4°C	-	N/A	8011 EDB
19S2CC-21	1	PE	250 mL	HNO3	-	*	Iron, Mercury, Sodium
19S2CC-21	1	PE	250 mL	H2SO4	-	*	Ammonia Nitrogen
19S2CC-21	1	PE	250 mL	4°C	-	N/A	Chlorides, Nitrate, TDS
19S2CC-21	1	PE	250 mL	HNO3	-	≈ 2	Fe, Hg, Na/ Field Filtered

**REMARKS:**

• Verified Sample pH as <2 or >12 (as applicable) at **MW-3 to MW-21 for filtered metals bottle**  
 \*\* Screened interval referenced is depth below Top of Casing  
 Sky Conditions: **cloudy** Ambient Air Temperature: **26°C** Rain off soon  
 Approx. Wind Speed and Direction: **0-7 mph W**  
 Grundfos Settings: **—** HZ Peristaltic Setting: **—**  
 Bladder Pump: CPM **3** Refill/Discharge **18/12** sec Pressure **60** PSI  
 Total Tubing Length: **—** feet (New Tubing)

**COMMENTS:** Total Well Depth = **—** by **—** date **—**

Flush mount well, vented > 15 Minutes before reading water level.  
 I field filter an extra metals bottle at this site if turbidity is over 5 NTU. It is historically over 5 NTU here

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-10 Flush Mount</b>	WELL WACS NO: <b>22010</b>	SAMPLE ID: <b>19S2CC-10</b>	DATE: <b>7/25/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>100.50</b> ft to <b>120.50</b> ft**	STATIC DEPTH TO WATER (feet): <b>105.87</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (120.50 feet - 105.87 feet) X 0.16 gallons/foot = 2.3 gallons</b>				Water Level measured with: <b>MAN-EUV-01</b> PURGE METHOD: <b>2.5</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1 = 0.15 gallons + (0.0026 gallons/foot X 125 feet) + 0.123 gallons = 0.6 gallons</b>												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	PURGING INITIATED AT: <b>1439</b>	PURGING ENDED AT: <b>1500</b>	TOTAL VOLUME PURGED (gallons): <b>3.7</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>1452</b>	<b>2.3</b>	<b>2.3</b>	<b>0.17</b>	<b>108.32</b>	<b>4.67</b>	<b>23.7</b>	<b>45</b>	<b>0.66</b>	<b>10.2</b>	<b>light</b>	<b>None</b>	<b>168.9</b>
<b>1456</b>	<b>0.7</b>	<b>3.0</b>	<b>↓</b>	<b>108.32</b>	<b>4.71</b>	<b>23.7</b>	<b>45</b>	<b>0.46</b>	<b>47.8</b>	<b>more haze</b>	<b>↓</b>	<b>136.3</b>
<b>1500</b>	<b>0.7</b>	<b>3.7</b>	<b>↓</b>	<b>108.32</b>	<b>4.74</b>	<b>23.7</b>	<b>46</b>	<b>0.35</b>	<b>81.9</b>	<b>more white</b>	<b>↓</b>	<b>91.0</b>
								<b>AFTER Filtering = 0.48</b>			<b>None clear</b>	

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1502</b>	SAMPLING ENDED AT: <b>1509</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (ml / min): <b>1500</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>		
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FIELD-FILTERED: <input checked="" type="checkbox"/> N <input type="checkbox"/> FILTER SIZE: <b>1 µm</b> Filtration Equipment Type: <b>inline high capacity</b>		DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*
<b>19S2CC-10</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	<b>-</b>	<b>N/A</b>
<b>19S2CC-10</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>
<b>19S2CC-10</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	<b>-</b>	<b>*</b>
<b>19S2CC-10</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	<b>-</b>	<b>*</b>
<b>19S2CC-10</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>4°C</b>	<b>-</b>	<b>N/A</b>
<b>19S2CC-10</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HNO3</b>	<b>-</b>	<b>*</b>

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at **MW-3 #21**
- \*\* Screened interval referenced is depth below Top of Casing

Sky Conditions: **Cloudy** Ambient Air Temperature: **27°C** light rain continues  
 Approx. Wind Speed and Direction: **0-5 mph W**

Grundfos Settings: **—** Hz Peristaltic Setting: **—**  
 Bladder Pump: CPM **2** Refill/Discharge **15/15** sec Pressure **60** PSI  
 Total Tubing Length: **—** feet (New Tubing) **try @ +/- 0.10 gpm**  
**Purge slower next event**

COMMENTS: Total Well Depth = **—** by **—** date **—**  
 Flush mount well, vented > 15 Minutes before reading water level.  
 At this site we field filter an extra metals bottle if the turbidity is over 5 NTU as it was here and is historically.

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-19 Flush Mount</b>	WELL WACS NO: <b>22710</b>	SAMPLE ID: <b>19S2CC-19</b>	DATE: <b>7/25/19</b>

## PURGING DATA

WELL DIAMETER (in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>10 ft</b> From <b>129.95 ft</b> to <b>139.95 ft</b>	STATIC DEPTH TO WATER (feet): <b>105.89</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (139.95 feet - 105.89 feet) X 0.16 gallons/foot = 5.4 gallons</b>				Water Level measured with: <b>MCP-6N-01</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>N/A = N/A gallons + (N/A gallons/foot X feet) + N/A gallons = gallons</b>				PURGE METHOD: <b>2.3</b>								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>138</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>138</b>	PURGING INITIATED AT: <b>1518</b>	PURGING ENDED AT: <b>1616</b>	TOTAL VOLUME PURGED (gallons): <b>8.2</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1556	5.4	5.4	0.14	105.89	5.68	23.8	164	0.27	2.05	None CLEAR	None	11.3
1606	1.4	6.8	↓	105.89	5.66	23.8	159	0.26	2.30	↓	↓	11.5
1616	1.4	8.2	↓	105.89	5.66	23.8	158	0.25	2.50	↓	↓	11.2

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>	SAMPLER(S) SIGNATURES: <i>Steve Messick</i>	SAMPLING INITIATED AT: <b>1618</b>	SAMPLING ENDED AT: <b>1622</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>138</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1500</b>	TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> FILTER SIZE: _____ µm Filtration Equipment Type: _____	DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-19	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
19S2CC-19	1	PE	250 mL	H2SO4	-	*	Ammonia Nitrogen
19S2CC-19	1	PE	250 ML	4°C	-	N/A	Chlorides, Nitrate, TDS

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at **MW-3**
- Screened interval referenced is depth below Top of Casing
- Sky Conditions: **Cloudy** Ambient Air Temperature: **28°C** Light Rain
- Approx. Wind Speed and Direction: **0-5 mph W**
- Grundfos Settings: \_\_\_\_\_ HZ Peristaltic Setting: \_\_\_\_\_
- Bladder Pump: CPM **3** Refill/Discharge **15/15** sec Pressure **65** PSI
- Total Tubing Length: \_\_\_\_\_ feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_  
 Flush mount well, vented > 15 Minutes before reading water level.



**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

10775 Central Port Dr.  
Orlando, FL 32824  
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4810 Executive Park Court, Suite 111  
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(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.  
Cary, NC 27511  
(919) 467-3090 Fax (919) 467-3515

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Client Name <b>Jones Edmunds &amp; Associates, Inc. (JO006)</b>		Project Number <b>03860-069-01</b>		Requested Analyses								Requested Turnaround Times				
Address <b>730 N.E. Waldo Road Bldg. A</b>		Project Name/Desc <b>Citrus Co. LF</b>		8011	8260D Appendix 1 FL	Ag,As,Ba,Bi,Cd,Cr,Cu,Fe,Ni,Pb, Sb,Se,Tl,V,Zn,Hg	Ag,As,F,Be,F,Be,F,Cu,F,Co,F,Cr,F,Fe,F, Na,F,Ni,F,Pb,F,Sb,F,Se,F,Tl,F,V,F,Zn,F,Hg,F	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	8200D (Benzene, Methylene Chloride, Vinyl Chloride)	Note: Rush requests subject to acceptance by the facility			
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info											<input checked="" type="checkbox"/> Standard		<input type="checkbox"/> Expedited	
Tel <b>(352) 377-5821</b>		Fax <b>(352) 377-3168</b>											Due <u>  </u> / <u>  </u> / <u>  </u>		Lab Workorder	
Sampler(s) Name, Affiliation (Print) <b>Steve Messick, Jones Edmunds &amp; Assoc.</b>		Reporting Contact <b>Elizabeth Kennelley</b>											Billing Contact <b>Accounts Payable</b>		AC04883	
Sampler(s) Signature <i>Steve Messick</i>		Site Location / Time Zone <b>Lecanto, FL. / EST</b>														

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)										Sample Comments
1	<i>mw-3 (1952CC-3)</i>	<i>7/25/19</i>	<i>0933</i>	<i>G</i>	<i>GW</i>	<i>7</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	<i>mw-7 (1952CC-7)</i>	<i>↓</i>	<i>1120</i>	<i>G</i>	<i>GW</i>	<i>7</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	<i>mw-20 (1952CC-20)</i>		<i>1220</i>	<i>G</i>	<i>GW</i>	<i>7</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	<i>mw-21 (1952CC-21)</i>		<i>1406</i>	<i>G</i>	<i>GW</i>	<i>8</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5	<i>mw-10 (1952CC-10)</i>		<i>1502</i>	<i>G</i>	<i>GW</i>	<i>8</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
6	<i>mw-19 (1952CC-19)</i>		<i>1618</i>	<i>G</i>	<i>GW</i>	<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7	<i>TRIP Blank #2 (1952CC-TR2)</i>	<i>↓</i>	<i>—</i>	<i>EM</i>	<i>0</i>	<i>2</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>QA/QC</i>
<i>S. Messick</i>																	

Sample Kit Prepared By <b>ECCO</b>	Date/Time <b>07/09/19 12:05</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>07/09/19 12:05</b>	Received By <i>[Signature]</i>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <i>Samples shipped by Greyhound Bus Priority from Gainesville to Orlando, FL.</i>		Relinquished By <i>[Signature]</i>	Date/Time <b>7/25/19 @ 1645</b>	Received By	Date/Time
Cooler #'s & Temps on Receipt			Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable		

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-18</b>	WELL WACS NO: <b>22709</b>	SAMPLE ID: <b>19S2CC-18</b>	DATE: <b>2/29/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>1/4"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>99.70 ft</b> to <b>119.70 ft**</b>	STATIC DEPTH TO WATER (feet): <b>106.95</b>	PURGE PUMP TYPE: <b>Dedicated BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (119.70 feet - 106.95 feet) X 0.16 gallons/foot = 2.0 gallons</b>				Water Level measured with: <b>MFM-6AN-91</b> PURGE METHOD: <b>FS2222</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1 = 0 gallons + (0.0026 gallons/foot X 125 feet) + 0.123 gallons = 0.6 gallons</b>												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	PURGING INITIATED AT: <b>0906</b>	PURGING ENDED AT: <b>0953</b>	TOTAL VOLUME PURGED (gallons): <b>1.8</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<b>0934</b>	<b>1.2</b>	<b>1.2</b>	<b>0.04</b>	<b>XX</b>	<b>4.97</b>	<b>24.1</b>	<b>45</b>	<b>2.12</b>	<b>3.8</b>	<b>None Clear</b>	<b>None</b>	<b>228.9</b>
<b>0953</b>	<b>0.6</b>	<b>1.8</b>	<b>0.03</b>	<b>XX</b>	<b>4.98</b>	<b>24.1</b>	<b>44</b>	<b>2.28</b>	<b>4.9</b>	<b>↓</b>	<b>↓</b>	<b>227.1</b>

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>0955</b>	SAMPLING ENDED AT: <b>0956</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>118</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>---</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP</b>		
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> FILTER SIZE: <b>---</b> µm		DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*
<b>19S2CC-18</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	<b>-</b>	<b>N/A</b>
						<b>Benzene, Methylene Chloride, Vinyl Chloride</b>

### REMARKS:

• Verified Sample pH as <2 or >12 (as applicable) at **N/A**  
 \*\* Screened interval referenced is depth below Top of Casing  
 Sky Conditions: **hazy** Ambient Air Temperature: **25°C**  
 Approx. Wind Speed and Direction: **3mph**  
 Grundfos Settings: **---** HZ Peristaltic Setting: **---**  
 Bladder Pump: CPM **2** Refill/Discharge **22/8** sec Pressure **60** PSI  
 Total Tubing Length: **---** feet (New Tubing)

**COMMENTS:** Total Well Depth = **---** by **---** date **---**  
 Flush mount well, vented > 15 Minutes before reading water level.

*DO. was high last event too.*

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-18D</b>	WELL WACS NO:	SAMPLE ID: <b>19S2CC-18D</b>	DATE: <b>7/29/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>3/8"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>130.43</b> ft to <b>140.43</b> ft**	STATIC DEPTH TO WATER (feet): <b>106.57</b>	PURGE PUMP TYPE: <b>ESP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (140.43 feet - 106.57 feet) X 0.16 gallons/foot = 5.4 gallons</b>				Water Level measured with: <b>MPT-GNV-01</b>
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>N/A</b> = gallons + (gallons/foot X feet) + gallons = gallons				PURGE METHOD: <b>2.3</b>
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>122</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>122</b>	PURGING INITIATED AT: <b>1022</b>	PURGING ENDED AT: <b>1117</b>	TOTAL VOLUME PURGED (gallons): <b>8.4</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1057	5.4	5.4	0.15	115.69	4.90	29.2	37	1.12	0.89	None	None	117.6
1107	1.5	6.9	↓	115.69	4.94	29.3	37	1.15	0.71	↓	↓	130.7
1117	1.5	8.4	↓	115.69	5.09	29.3	37	1.03	0.66	↓	↓	120.5

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1119</b>	SAMPLING ENDED AT: <b>1122</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>122</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1500</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>ESP</b>	
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N Filtration Equipment Type: _____		FILTER SIZE: _____ µm		DUPLICATE: Y <input checked="" type="checkbox"/> N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
<b>19S2CC-18D</b>	<b>2</b>	<b>CG</b>	<b>40 mL</b>	<b>HCl</b>	-	<b>N/A</b>	<b>8260 AP1 LOW</b>
<del>19S2CC-21</del>	<del>2</del>	<del>CG</del>	<del>40 mL</del>	<del>4°C</del>	-		<del>8011 EDB</del>
<del>19S2CC-21</del>	<del>1</del>	<del>PE</del>	<del>250 mL</del>	<del>HNO3</del>	-	<b>5.2</b>	<b>Iron, Mercury, Sodium</b>
<del>19S2CC-21</del>	<del>1</del>	<del>PE</del>	<del>250 mL</del>	<del>H2SO4</del>	-		<del>Ammonia Nitrogen</del>
<del>19S2CC-21</del>	<del>1</del>	<del>PE</del>	<del>250 mL</del>	<del>4°C</del>	-		<del>Chlorides, Nitrate, TDS</del>
<del>19S2CC-21</del>	<del>1</del>	<del>PE</del>	<del>250 mL</del>	<del>HNO3</del>	-		<del>Fe, Hg, Na/ Field Filtered</del>

**REMARKS:** Flush mount well, vent >15 minutes before reading level.

- Verified Sample pH as <2 or >12 (as applicable) at **MW-18D**
- \*\* Screened interval referenced is depth below Top of Casing

Sky Conditions: **Cloudy** Ambient Air Temperature: **30°C**  
Approx. Wind Speed and Direction: **<3 mph**

Grundfos Settings: **245** HZ Peristaltic Setting: \_\_\_\_\_  
Bladder Pump: CPM \_\_\_\_\_ Refill/Discharge **+** sec Pressure \_\_\_\_\_ PSI  
Total Tubing Length: **240** feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_  
This well historically draws down, so I am starting with the pump down lower so I don't need to move it during the purge and possibly cloud up the sample.



# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-19D</b>	WELL WACS NO:	SAMPLE ID: <b>19S2CC-19D</b>	DATE: <b>7/29/19</b>

## PURGING DATA

WELL DIAMETER(in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>3/8"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>160.70 ft</b> to <b>165.70 ft**</b>	STATIC DEPTH TO WATER (feet): <b>105.69</b>	PURGE PUMP TYPE: <b>ESP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (165.70 feet - 105.69 feet) X 0.16 gallons/foot = 9.6 gallons</b>				Water Level measured with: <b>14841-6454-00</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>N/A = gallons + (gallons/foot X feet) + gallons = gallons</b>				PURGE METHOD: <b>2.3</b>								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>115</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>115</b>	PURGING INITIATED AT: <b>1147</b>	PURGING ENDED AT: <b>1246</b>	TOTAL VOLUME PURGED (gallons): <b>14.6</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1226	9.6	9.6	0.25	110.44	6.27	28.4	375	0.59	0.54	None Clear	None	-95.1
1236	2.5	12.1	↓	110.44	6.23	28.4	363	0.56	0.44	↓	↓	-87.7
1246	2.5	14.6	↓	110.44	6.17	28.3	360	0.56	0.37	↓	↓	-77.6

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1248</b>	SAMPLING ENDED AT: <b>1253</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>115</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>7+500</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>ESP</b>	
FIELD DECONTAMINATION: <input checked="" type="radio"/> N	FIELD-FILTERED: <input checked="" type="radio"/> N FILTER SIZE: _____ µm		DUPLICATE: <input checked="" type="radio"/> N		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-19D	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
<del>19S2CC-21</del>	<del>2</del>	<del>CG</del>	<del>40 mL</del>	<del>4°C</del>	-		<del>8011 EDB</del>
19S2CC-24	1	PE	250 mL	HNO3	-	5.2	Iron, Mercury, Sodium
19S2CC-24	1	PE	250 mL	H2SO4	-	5.2	Ammonia Nitrogen
19S2CC-24	1	PE	250 mL	4°C	-	N/A	Chlorides, Nitrate, TDS
<del>19S2CC-24</del>	<del>1</del>	<del>PE</del>	<del>250 mL</del>	<del>HNO3</del>	-		<del>Fe, Hg, Na/ Field Filtered</del>

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at **MW-18D or 19D**
- \*\* Screened interval referenced is depth below Top of Casing
- Sky Conditions: **Cloudy** Ambient Air Temperature: **30°C**
- Approx. Wind Speed and Direction: **0-7 mph E**
- Grundfos Settings: **235** HZ Peristaltic Setting: \_\_\_\_\_
- Bladder Pump: CPM \_\_\_\_\_ Refill/Discharge \_\_\_\_\_ sec Pressure \_\_\_\_\_ PSI
- Total Tubing Length: **130** feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_

Flush mount well vented >15min. before reading water level. Well historically draws down 5-10 ft. so start with pump lower in water column so I don't have to lower it during purge.

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>EQUBLK #1</b>	WELL WACS NO: <b>0</b>	SAMPLE ID: <b>19S2CC-EQB i</b>	DATE: <b>7/29/19</b>

## PURGING DATA

WELL DIAMETER (in): <b>N/A</b>	TUBING DIAMETER (in): <b>3/8" 1/4" 1/2"</b>	SCREEN LENGTH: <b>N/A</b> ft From <b>N/A</b> ft to <b>N/A</b> ft**	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE: <b>None ESP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				Water Level measured with:								
1 WELL VOLUME = ( <b>N/A</b> feet - <b>   </b> feet ) X <b>N/A</b> gallons/foot = <b>   </b> gallons				PURGE METHOD: <b>N/A</b>								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <b>N/A</b> gallons + ( <b>N/A</b> gallons/foot X <b>   </b> feet) + <b>N/A</b> gallons = <b>   </b> gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
<i>Steve Messick</i>												

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1348</b>	SAMPLING ENDED AT: <b>1353</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>N/A</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (ml / min): <b>1-500</b>		TUBING MATERIAL CODE: <b>N/A PE</b>	SAMPLING EQUIPMENT CODE: <b>DBP ESP</b>	
FIELD DECONTAMINATION: <b>(Y) N</b>	FIELD-FILTERED: <b>(Y) N</b> FILTER SIZE: <b>   </b> µm		FILTRATION Equipment Type: <b>   </b>		DUPLICATE: <b>(Y) N</b>

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-EQB i	2	CG	40 mL	HCl	-	<b>N/A</b>	8260 AP1 LOW
19S2CC-EQB i	2	CG	40 mL	4°C	-	<b>N/A</b>	8011 EDB
19S2CC-EQB i	1	PE	250 mL	HNO3	-	<b>*</b>	Iron, Mercury, Sodium
19S2CC-EQB i	1	PE	250 mL	H2SO4	-	<b>*</b>	Ammonia Nitrogen
19S2CC-EQB i	1	PE	250 mL	4°C	-	<b>N/A</b>	Chlorides, Nitrate, TDS

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at **MW-19D**
- \*\* Screened interval referenced is depth below Top of Casing

Sky Conditions: **cloudy** Ambient Air Temperature: **32°C** Light Rain off and on  
 Approx. Wind Speed and Direction: **0-1 mph E**

Grundfos Settings: **105** HZ Peristaltic Setting:   
 Bladder Pump: CPM  Refill/Discharge  sec Pressure  PSI  
 Total Tubing Length: **170** feet (New Tubing)

**COMMENTS:** Total Well Depth =  by  date

*Field cleaned ESP flush with distilled water -  
 Zeph. Dist. Water Lot # 061319164WF233 3/8" tubing lot # BULK 3/19  
 Pump & tubing then used to purge & sample well MW-22*

# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
WELL NO: <b>MW-22</b>	WELL WACS NO:	SAMPLE ID: <b>19S2CC-22</b>	DATE: <b>7/29/19</b>

## PURGING DATA

WELL DIAMETER (in): <b>2" PVC</b>	TUBING DIAMETER (in): <b>3/8"</b>	SCREEN LENGTH: <b>20 ft</b> From <b>105.57 ft</b> to <b>125.57 ft**</b>	STATIC DEPTH TO WATER (feet): <b>107.02</b>	PURGE PUMP TYPE: <b>ESP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = (125.57 feet - 107.02 feet) X <sup>0.16</sup> gallons/foot = <b>3.0</b> gallons				Water Level measured with: <b>MFM-GWV01</b> PURGE METHOD: <b>2.5</b>
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>1</b> = gallons + ( <sup>0.006</sup> gallons/foot X <b>130</b> feet) + 0.123 gallons = <b>0.9</b> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>112</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>112</b>	PURGING INITIATED AT: <b>1407</b>	PURGING ENDED AT: <b>1513</b>	TOTAL VOLUME PURGED (gallons): <b>11.0</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1425	3.0	3.0	0.16	107.07	6.87	29.3	502	0.51	19.4	Brown light	None	-3.0
1443	3.0	6.0	↓	107.07	6.92	29.9	506	0.42	9.3	↓	↓	-18.0
1459	3.0	9.0	↓	107.07	6.89	30.0	509	0.40	4.68	None Clear	↓	-18.2
1506	1.0	10.0	↓	107.07	6.91	30.0	504	0.40	4.48	↓	↓	-18.7
1513	1.0	11.0	↓	107.07	6.92	30.1	507	0.39	4.83	↓	↓	-19.1

## SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: <b>Steve Messick / Jones Edmunds &amp; Associates Inc.</b>		SAMPLER(S) SIGNATURES: <i>Steve Messick</i>		SAMPLING INITIATED AT: <b>1515</b>	SAMPLING ENDED AT: <b>1521</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>112</b>	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min <input checked="" type="checkbox"/> FLOW RATE Other Samples Rate (mL / min): <b>1/1</b>		TUBING MATERIAL CODE: <b>PE</b>	SAMPLING EQUIPMENT CODE: <b>ESP</b>	
FIELD DECONTAMINATION: <b>(Y) N</b>	FIELD-FILTERED: <b>Y N</b> FILTER SIZE: _____ µm		DUPLICATE: <b>Y (N)</b>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	
19S2CC-22	2	CG	40 mL	HCl	-	N/A	8260 AP1 LOW
19S2CC-21	2	CG	40 mL	4°C	-	N/A	8011 EDB
19S2CC-21	1	PE	250 mL	HNO3	-	X	Iron, Mercury, Sodium
19S2CC-21	1	PE	250 mL	H2SO4	-	X	Ammonia Nitrogen
19S2CC-21	1	PE	250 mL	4°C	-	N/A	Chlorides, Nitrate, TDS
<del>19S2CC-21</del>	<del>1</del>	<del>PE</del>	<del>250 mL</del>	<del>HNO3</del>	-		<del>Fe, Hg, Na Field Filtered.</del>

**REMARKS:**

- Verified Sample pH as <2 or >12 (as applicable) at **mw-19D**
- \*\* Screened interval referenced is depth below Top of Casing
- Sky Conditions: **cloudy** Ambient Air Temperature: **35°C**
- Approx. Wind Speed and Direction: **0-2 mph E**
- Grundfos Settings: **235** HZ Peristaltic Setting: \_\_\_\_\_
- Bladder Pump: CPM \_\_\_\_\_ Refill/Discharge \_\_\_\_\_ sec Pressure \_\_\_\_\_ PSI
- Total Tubing Length: **130** feet (New Tubing)

**COMMENTS:** Total Well Depth = \_\_\_\_\_ by \_\_\_\_\_ date \_\_\_\_\_

*Flush mount well vented >15min. before reading water level. slight cloudy white/brown colors to begin. Purge extra full volumes to clear.*



**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

10775 Central Port Dr.  
Orlando, FL 32824  
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111  
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(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.  
Cary, NC 27511  
(919) 467-3090 Fax (919) 467-3515

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Page 1 of 1

Client Name <b>Jones Edmunds &amp; Associates, Inc. (JQ006)</b>		Project Number <b>03860-069-01</b>		Requested Analyses								Requested Turnaround Times	
Address <b>730 N.E. Waldo Road Bldg. A</b>		Project Name/Desc <b>Citrus Co. LF</b>		8011	8260D Appendix 1 FL	Ag, As, Ba, Be, Bi, Cd, Co, Cr, Cu, Fe, Ni, Pb, Sb, Se, Tl, V, Zn, Hg	Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	8260D (Benzene, Methylene Chloride, Vinyl Chloride)	Note: Rush requests subject to acceptance by the facility	
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info										<input checked="" type="checkbox"/> Standard	
Tel <b>(352) 377-5821</b>		Fax <b>(352) 377-3166</b>										<input type="checkbox"/> Expedited	
Reporting Contact <b>Elizabeth Kennelley</b>		Billing Contact <b>Accounts Payable</b>										Due <u>  </u> / <u>  </u> / <u>  </u>	
Sampler(s) Name, Affiliation (Print) <b>Steve Messick Jones Edmunds &amp; Assoc. Inc.</b>		Billing Contact <b>Accounts Payable</b>										Lab Workorder	
Sampler(s) Signature <i>Steve Messick</i>		Site Location / Time Zone <b>Lecanto, FL / EST</b>										<b>AC04883</b>	

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)								Sample Comments
1	MW-18 (1952CC-18)	7/29/19	0955	G	GW	2	✓	✓	✓	✓	✓	✓	✓	✓	
2	MW-18D (1952CC-18D)		1119	G	GW	3	✓	✓	✓	✓	✓	✓	✓	✓	
3	MW-19D (1952CC-19D)		1248	G	GW	5	✓	✓	✓	✓	✓	✓	✓	✓	
4	Blank #1 (1952CC-EB01)		1348	G	O	7	✓	✓	✓	✓	✓	✓	✓	✓	Field cleaned BSA-flush with dist. water
5	MW-22 (1952CC-22)		1515	G	GW	7	✓	✓	✓	✓	✓	✓	✓	✓	
6	TRIP Blank #4 (1952CC-TB4)		-	-	O	2	✓								QA/QC

Sample Kit Prepared By <b>ELC</b>	Date/Time <b>07/09/19 12:05</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>07/09/19 12:05</b>	Received By <i>Steve Messick</i>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <b>Samples shipped by Greyhound bus priority from Gainesville to Orlando, FL. 1 Cooler</b>	Relinquished By <i>Steve Messick</i>	Date/Time <b>7/29/19 @ 1530</b>	Received By	Date/Time	
	Relinquished By	Date/Time	Received By	Date/Time	
	Cooler #'s & Temps on Receipt	Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable			

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

**CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)**

Boldly "X" this box if there are qualified data on this page.

Meter ID: **YSI-GANV-03**

RQ: **—**

Project: **Citrus County LF.**

- Notes:** (1) Always wait for meter to stabilize before recording any readings.  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

**Temperature (Quarterly) FT 1400** Date of Last Temperature Verification \_\_\_\_\_

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.											P / F	L / F
ICV											P / F	L / F
CCV											P / F	L / F
CCV											P / F	L / F

DO Acceptance criteria from Table  $\pm 0.3$  mg/L. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.  
**Optical:** DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard $\mu$ mhos/cm	Meter Reading $\mu$ mhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Messick	7-25-19	0813	CC17803	10/30/19	1413	1407	P/F	L/F
ICV	↓	↓	0816	CC17607	08/24/19	84	85	P/F	L/F
CCV	↓	↓	1632	CC17607	08/24/19	84	85	P/F	L/F
CCV	↓	↓	1634	CC17803	10/30/19	1413	1405	P/F	L/F

Conductivity Acceptance criteria  $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. Messick	7/25/19	0817	CC598654	01/03/21	7.0	23.5	7.0	—	P/F	L/F
Calibr.	↓	↓	0819	CC594224	12/05/20	4.0	23.4	4.0	—	P/F	L/F
Calibr.	↓	↓	0820	CC582059	09/24/20	10.0	23.5	10.1	—	P/F	L/F
ICV	↓	↓	1636	CC598654	01/03/21	7.0	23.8	7.0	—	P/F	L/F
CCV	↓	↓	1637	CC594224	12/05/20	4.0	23.6	4.0	—	P/F	L/F
CCV	↓	↓	1639	CC582059	09/24/20	10.0	23.8	10.0	—	P/F	L/F

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$ ;  
 If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? **YES / NO / NA** (not surf. water project)

If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: \_\_\_\_\_

If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS: ORP - Zobell 23.7 = 229.7 Read 230.7 (P/F) 0822 hrs  
 " " 24.1 = 229.1 Read 228.8 (P/F) 1641 hrs

**Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)**  
**Regional Operations Centers**

Meter ID: **TB-GNV-01**

Date of Last Calibration: **07-01-2019**

Project Name: Citrus County

**Quarterly Calibration**

Sampler Name: **Steve Messick**

Date: **07-01-2019**

Time: **1520 Hrs. ETZ**

Standard Value (Use Primary Formazin Standards)	Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail (circle one)
<0.1 NTU	Mar - 20	A8348A	Meter Reading	0.1	(P) / F
20 NTU	Apr - 20	A9031	Meter Reading	19.9	(P) / F
100 NTU	May - 20	A9032	Meter Reading	101	(P) / F
800 NTU	May - 20	A9031	Meter Reading	806	(P) / F

**Initial Calibration Verification (ICV)** (Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)

Sampler Name: **Steve Messick**

Date: **07-01-2019**

Time: **1520 Hrs. ETZ**

Standard Value (Use A Primary Formazin Standard)	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail (circle one)
20 NTU	Apr - 20	A9031	19.9	(P) / F

**Secondary Gel Standard Quarterly Verification** (perform gel standard verification immediately after quarterly calib. and ICV)

Sampler Name: **Steve Messick**

Date: **07-01-2019**

Time: **1530 ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU (new value assigned)	Acceptable Range, NTU (Calculate using new value assigned & acceptance criteria*)
0 - 10	3.6	N/A	N/A	3.6	<2
10 - 100	41.5	N/A	N/A	42.1	<2
100 - 1000	435	N/A	N/A	439	<1

**Daily Continuing Calibration Verification (CCV)** (required every day that meter is used)

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/23/19	0952	Steve Messick	Gel	3.56	N/A	N/A	3.51	(P) / F
	0953		Gel	42.1			41.5	(P) / F
	0953		Blank Cell	<0.3			0.24	(P) / F
	1638		Gel	3.56			3.5	(P) / F
	1638		Gel	42.1			42.2	(P) / F
	1639		Blank	<0.3			0.2	(P) / F
7/25/19	0826	Steve Messick	Gel	3.56			3.6	(P) / F

\*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;

Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 - 106.5 NTU); 800 NTU (760 - 840 NTU)

**Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)**  
**Regional Operations Centers**

Meter ID: **TB-GNV-01**

Date of Last Calibration: **07-01-2019**

Project Name: \_\_\_\_\_

**Daily Continuing Calibration Verification (CCV)** (required every day that meter is used)

Date	Time (24hr) ET	Sampler Name	Standard Type (circle one)	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/25/19	0827	Steve Messick	Gel	42.1	N/A	N/A	<del>42.6</del> 42.6	P / F
↓	0827	↓	Blank Cell	≤ 0.3	↓	↓	0.2	P / F
↓	1643	↓	Gel	3.56	↓	↓	3.6	P / F
↓	1643	↓	Gel	42.1	↓	↓	42.0	P / F
↓	1644	↓	Blank Cell	≤ 0.3	↓	↓	0.2	P / F
								P / F
								P / F
								P / F
								P / F

Comments:

\*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;  
 Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

**CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)**

Boldly "X" this box if there are qualified data on this page.

Meter ID: YSI-GNV-03 RQ: — Project: Citrus County-LF

- Notes: (1) Always wait for meter to stabilize before recording any readings.  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification \_\_\_\_\_

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	S. Messick	7/29/19	0843	21.5	29.94	8.82	8.84	—	—	—	P/F	L/F
ICV	↓	↓	1612	26.9	29.96	7.98	7.92	—	—	—	P/F	L/F
CCV											P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.  
 Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Messick	7/29/19	0845	CC17803	10/30/19	1413	1413	P/F	L/F
ICV	↓	↓	0847	CC17607	08/24/19	84	86	P/F	L/F
CCV	↓	↓	1613	CC17607	08/24/19	84	85	P/F	L/F
CCV	↓	↓	1615	CC17803	10/30/19	1413	1417	P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. Messick	7/29/19	0848	CC598654	01/03/21	7.0	24.9	7.0	—	P/F	L/F
Calibr.			0950	CC594224	12/05/20	4.0	24.7	4.0	—	P/F	L/F
Calibr.			0952	CC582069	09/24/20	10.0	24.9	10.0	—	P/F	L/F
ICV			1617	CC594224	12/08/20	4.0	25.2	4.0	—	P/F	L/F
CCV			1619	CC582069	09/24/20	10.0	25.4	10.0	—	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;  
 If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)  
 If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: \_\_\_\_\_  
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5% or ± 0.05m, whichever is greater.

COMMENTS: CAP @ 854 25.0 = 228.0 Reads 228.0 Lot 182100623 Exp Date 10/1/19 (P)  
@ 1621 ORP 25.7°C = 227.1 Reads 225.9 (P)



**Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)**

**Regional Operations Centers**

Meter ID: **TB-GNV-01**

Date of Last Calibration: **07-01-2019**

Project Name: Citrus County LF.

**Quarterly Calibration**

Sampler Name: **Steve Messick**

Date: **07-01-2019**

Time: **1520 Hrs. ETZ**

Standard Value (Use Primary Formazin Standards)	Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail (circle one)
<0.1 NTU	Mar - 20	A8348A	Meter Reading	0.1	(P) / F
20 NTU	Apr - 20	A9031	Meter Reading	19.9	(P) / F
100 NTU	May - 20	A9032	Meter Reading	101	(P) / F
800 NTU	May - 20	A9031	Meter Reading	806	(P) / F

**Initial Calibration Verification (ICV)** (Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)

Sampler Name: **Steve Messick**

Date: **07-01-2019**

Time: **1520 Hrs. ETZ**

Standard Value (Use A Primary Formazin Standard)	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail (circle one)
20 NTU	Apr - 20	A9031	19.9	(P) / F

**Secondary Gel Standard Quarterly Verification** (perform gel standard verification immediately after quarterly calib. and ICV)

Sampler Name: **Steve Messick**

Date: **07-01-2019**

Time: **1530 ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU (new value assigned)	Acceptable Range, NTU (Calculate using new value assigned & acceptance criteria*)
0 - 10	3.6	N/A	N/A	3.6	<2
10 - 100	41.5	N/A	N/A	42.1	<2
100 - 1000	435	N/A	N/A	439	<1

**Daily Continuing Calibration Verification (CCV)** (required every day that meter is used)

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/29/19	0857	Steve Messick	Gel	3.56	N/A	N/A	3.54	(P) / F
	0858		Gel	42.1			40.9	(P) / F
	0858		Blank Cell	<0.25			0.21	(P) / F
	1625		Gel	3.56			3.6	(P) / F
	1625		Gel	42.1			41.9	(P) / F
	1627		Blank	≤0.25			<0.2	(P) / F
								P / F

\*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;

Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 - 106.5 NTU); 800 NTU (760 - 840 NTU)

**ATTACHMENT 7**  
**HISTORICAL DATA SUMMARY**

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	07/22/2014	67	-	1.37	6.90	4.88	-	26.2	4.6	0.14 J	8.8	3	46	<2.3	-
MW-3	01/21/2015	56	-	4.15	7.77	4.70	-	22.0	0.51	0.11	10	5.8	66	<2.3	-
MW-3	07/22/2015	71	-	3.95	6.31	4.65	-	25.6	1.81	<0.1	7.7	1.7	54	<2.3	-
MW-3	03/22/2016	58	-	3.36	7.98	4.58	159	22.4	1.7	<0.1	7.7	3.7	28	<0.5	-
MW-3	07/26/2016	64	-	3.9	6.98	4.63	170	23.7	1.21	<0.1	8.0	1.80	40	<0.5	-
MW-3	01/24/2017	82	113.38	6.13	6.93	4.93	339.5	21.5	0.19	<0.0073	12	11	120	<2.50	-
MW-3	07/20/2017	155	-	4.36	-	4.75	292.5	24.6	0.52	<0.0073	12	11	120	<2.50	-
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-7	07/22/2014	118	-	0.15	8.69	5.15	-	25.6	0.97	0.28	4.6	<0.1	66	<2.3	-
MW-7	01/21/2015	109	-	0.38	7.25	5.00	-	24.2	1.56	0.13	5.6	<0.1	58	<2.3	-
MW-7	07/22/2015	105	-	1.02	6.27	5.02	-	27.3	1.13	<0.1	6.2	<0.01	56	<2.3	-
MW-7	03/23/2016	80	-	0.62	7.82	5.03	16.0	23.3	1.3	<0.1	7.3	<0.01	50	<0.5	-
MW-7	07/26/2016	107	-	0.17	6.77	4.94	-48	25.7	3.58	<0.1	6.7	0.02 J	60	<0.5	-
MW-7	01/24/2017	100	121.66	1.02	6.81	5.24	132.5	22.9	1.05	0.013 I	6.5	<0.052	76	<2.50	-
MW-7	07/20/2017	96	122.82	0.11	5.65	5.09	10.8	25.8	1.11	0.032	5.2	<0.052	52	<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	-
<b>Compliance</b>															
MW-10	07/22/2014	58	-	0.42	6.57	4.32	-	24.5	32.3	0.056	6.4	<0.1	20	<2.3	<2.3
MW-10	01/20/2015	55	-	1.53	7.22	4.48	-	22.7	23.5	0.16	6.5	<0.1	36	<2.3	<2.3
MW-10	07/22/2015	55	-	0.58	6.13	4.38	-	24.3	58.1	<0.1	6.1	0.016 I	28	<2.3	<2.3
MW-10	03/22/2016	61	-	0.87	7.25	4.28	35.5	22.6	48.1	<0.1	5.9	<0.01	22	<0.5	<2.3
MW-10	07/27/2016	50	-	0.35	6.37	4.37	-3.8	24.2	95.4	<0.1	5.9	<0.01	46	<0.5	<0.5
MW-10	01/25/2017	51	106.89	0.28	6.48	4.81	8.7	23.2	109	<0.0073	5.3	<0.052	56	<2.50	<2.50
MW-10	07/19/2017	49	107.98	0.26	5.39	4.71	94.2	23.0	60.5	<0.0073	4.5 I	<0.052	52	<2.50	<2.50
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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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-11	07/22/2014	485	-	0.47	5.50	6.79	-	23.6	3.44	0.14	6.7	0.61	240	<2.3	-
MW-11	01/20/2015	479	-	0.87	5.82	6.84	-	20.6	3.95	0.14	7.3	0.38 I	280	<2.3	-
MW-11	07/22/2015	488	-	0.38	5.31	6.87	-	23.6	1.71	0.17 I	8.1	0.33	280	<2.3	-
MW-11	03/24/2016	505	-	0.74	5.64	6.89	38.6	23.2	2.32	<0.1	7.7	0.37	260	<0.5	-
MW-11	07/25/2016	478	-	0.24	5.35	6.84	35	23.9	1.94	<0.1	7.3	0.40	220	<0.5	-
MW-11	01/24/2017	473	99.13	0.48	5.56	7.08	209.7	23.0	1.17	<0.0073	6.3	<0.052	270	<2.50	-
MW-11	07/20/2017	438	99.88	0.54	4.81	7.06	140.7	22.8	0.85	<0.0073	5.4	0.46 I	240	<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-12	07/22/2014	584	-	0.18	5.50	6.74	-	23.9	3.14	0.3	5.2	<0.1	280	<2.3	-
MW-12	01/20/2015	565	-	0.53	5.84	6.75	-	23.5	3.26	0.31	5.9	<0.1	330	<2.3	-
MW-12	07/22/2015	629	-	0.55	5.36	6.17	-	23.8	3.91	0.28	5.2	<0.01	340	<2.3	-
MW-12	03/24/2016	596	-	0.98	5.64	6.74	-63.7	23.2	3.01	0.29	5.6	<0.01	310	<0.5	-
MW-12	07/25/2016	628	-	0.19	5.38	6.58	-64	24.3	2.23	0.38	4.5	<0.01	340	<0.5	-
MW-12	01/24/2017	597	97.72	0.25	5.64	6.83	-85.3	23.1	2.53	0.50	3.4 I	<0.052	340	<2.50	-
MW-12	07/20/2017	633	98.53	0.11	4.83	6.73	-125.3	23.2	2.56	0.37	3.7 I	<0.052	380	<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-13	07/23/2014	84	-	0.50	5.63	5.05	-	23.7	4.69	0.51 J	5.7	<0.1	40	<2.3	-
MW-13	01/20/2015	81	-	0.68	6.00	5.30	-	23.2	4.34	0.15	5.9	<0.1	54	<2.3	-
MW-13	07/22/2015	79	-	0.90	5.40	5.06	-	23.8	2.81	<0.1	5.7	<0.01	36	<2.3	-
MW-13	03/23/2016	49	-	0.68	6.25	5.04	11.8	23.6	3.41	<0.1	5	0.013 I	24	<0.5	-
MW-13	07/26/2016	66	-	0.32	5.59	4.89	-5	23.7	4.32	<0.1	5.1	0.026	36	<0.5	-
MW-13	01/24/2017	68	106.22	0.41	5.70	5.42	72.7	23.0	2.34	<0.0073	4.3 I	<0.052	60	<2.50	-
MW-13	07/18/2017	66	106.96	0.16	4.96	5.31	59.4	22.4	1.42	<0.0073	3.8 I	<0.052	54	<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-14	07/23/2014	508	-	0.44	5.45	6.70	-	23.4	2.3	0.53	3.7	<0.1	260	<2.3	-
MW-14	01/20/2015	497	-	0.39	5.84	6.78	-	23.0	0.79	0.16	3.7	<0.1	290	<2.3	-
MW-14	07/22/2015	510	-	0.24	5.31	6.78	-	23.5	0.81	<0.1	3.5	0.3	280	<2.3	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	03/23/2016	416	-	0.56	5.74	6.67	25.0	23.2	0.69	<0.1	3.5	0.079	290	<0.5	-
MW-14	07/25/2016	527	-	0.13	5.40	6.68	100	23.5	3.73	<0.1	3.8	<0.01	290	<0.5	-
MW-14	01/23/2017	507	102.96	0.34	5.54	6.95	71.8	22.8	0.27	<0.0073	3.5 I	<0.052	300	<2.50	-
MW-14	07/18/2017	488	103.62	0.40	4.88	6.96	92.2	22.7	0.95	<0.0073	3.2 I	0.080 I	290	<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	-
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 I	280	<2.50	-
MW-15	07/23/2014	51	-	0.37	5.80	4.24	-	22.9	3.55	0.67	2.6	<0.1	42	<2.3	-
MW-15	01/20/2015	51	-	0.80	6.22	4.55	-	22.5	2.26	0.21	2.8	<0.1	32	<2.3	-
MW-15	07/23/2015	51	-	0.65	5.53	4.73	-	22.9	0.69	<0.1	2.7	<0.01	26	<2.3	-
MW-15	03/23/2016	38	-	0.50	6.58	4.51	4.8	23.1	0.81	<0.1	3.1	0.018 I	14	<0.5	-
MW-15	07/25/2016	51	-	0.15	5.85	4.49	-2.5	23.4	1.83	<0.1	3.2	<0.01	36	<0.5	-
MW-15	01/23/2017	51	117.7	0.17	5.88	4.95	52.6	22.2	0.51	0.037	2.8 I	<0.052	60	<2.50	-
MW-15	07/18/2017	50	118.48	0.28	5.10	4.86	85.6	22.2	0.77	0.056	2.6 I	<0.052	46	<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-17	07/23/2014	105	-	0.39	5.58	5.18	-	24.1	4.92	1.2	4.8	<0.1	50	<2.3	-
MW-17	01/20/2015	116	-	0.78	6.00	5.30	-	23.7	3.23	0.73	4.3	<0.1	64	<2.3	-
MW-17	07/22/2015	135	-	0.33	5.42	5.17	-	24.3	2.66	0.56	5	<0.01	68	<2.3	-
MW-17	03/23/2016	120	-	0.51	5.87	5.44	-55.7	24.0	4.44	0.3	4.5	0.02	60	<0.5	-
MW-17	07/25/2016	161	-	0.14	5.51	5.25	-63	24.7	2.25	0.51	4.6	<0.01	86	<0.5	-
MW-17	01/23/2017	177	105.17	0.18	5.68	5.65	-42.9	23.6	0.51	0.63	3.6 I	<0.052	110	<2.50	-
MW-17	07/18/2017	182	105.91	0.27	4.94	5.60	-34.2	23.3	1.53	0.60	3.0 I	<0.052	120	<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-20	07/22/2014	350	-	0.10	6.76	5.67	-	25.7	1.78	1.2	29	<0.1	160	<2.3	-
MW-20	01/21/2015	419	-	1.1	7.03	5.91	-	24.3	2.83	0.95	31	<0.1	210	<2.3	-
MW-20	07/22/2015	410	-	0.27	6.21	5.68	-	25.3	4.29	0.24 I	29	<0.01	190	<2.3	-
MW-20	03/22/2016	689	-	0.41	7.31	5.92	-49	24.9	1.82	0.67 J	41	<0.01	240	<0.5	-
MW-20	07/26/2016	700	-	0.10	6.47	6.12	-106	25.8	2.48	0.65	39	0.066	260	<0.5	-
MW-20	01/25/2017	728	113.05	0.20	6.71	6.26	-87.1	25.2	1.05	0.95	43	<0.052	220	<2.50	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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-20	07/19/2017	694	114.18	0.05	5.58	6.22	-85.1	24.5	2.25	0.84	39	<0.052	300	<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-21	07/22/2014	77	-	0.48	6.61	4.57	-	24.8	33.1	2.5	4.4	<0.1	42	<2.3	<2.3
MW-21	01/20/2015	97	-	0.97	7.14	4.54	-	23.5	27.2	2	4.5	<0.1	64	<2.3	<2.3
MW-21	07/23/2015	113	-	0.87	6.13	4.20	-	24.5	55.8	2	4.4	<0.01	78	<2.3	<2.3
MW-21	03/22/2016	109	-	0.42	7.14	4.64	29.8	23.3	14.2	1.8	4.5	<0.01	20	<0.5	<2.3
MW-21	07/27/2016	97	-	0.35	6.33	4.61	1.4	25.2	19.4	1.7 J	3.8	0.013 I	44	<0.5	<0.5
MW-21	01/25/2017	159	109.05	0.34	6.58	5.10	29.2	24.0	23.3	1.4	3.6 I	<0.052	92	<2.50	<2.50
MW-21	07/19/2017	112	110.19	0.11	5.44	4.95	-26.2	23.5	31.2	1.3	3.7 I	<0.052	40	<2.50	<2.50
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-22	08/17/2017	492	108.53	0.16	5.26	6.61	-48.0	24.7	3.91	-	-	-	-	-	-
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	-
<b>Assessment</b>															
MW-18	07/22/2014	54	-	1.28	6.81	4.54	-	24.3	13	-	-	-	-	-	-
MW-18	01/21/2015	49	-	2.27	7.63	4.79	-	23.1	19.4	-	-	-	-	-	-
MW-18	07/23/2015	47	-	0.99	6.43	4.75	-	25.2	55.1	-	-	-	-	-	-
MW-18	03/23/2016	38	-	2.37	7.47	4.63	83.4	22.0	34.8	-	-	-	-	-	-
MW-18	07/27/2016	46	-	1.74	6.56	4.56	127	24.4	11.2	-	-	-	-	-	-
MW-18	01/25/2017	43	109.09	0.72	6.73	5.09	248.1	23.1	82.7	-	-	-	-	-	-
MW-18	07/19/2017	40	110.38	0.72	5.44	5.01	251.9	23.2	125	-	-	-	-	-	-
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-18D	08/17/2017	215	109.44	0.52	6.24	5.90	17.4	26.8	14.1	-	-	-	-	-	-
MW-18D	02/08/2018	83	108.92	0.64	-	5.53	183.9	25.4	1.25	-	-	-	-	-	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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-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-19	07/22/2014	67	-	0.53	6.62	5.59	-	23.8	3.9	-	-	-	-	-
MW-19	01/21/2015	67	-	0.82	7.26	5.54	-	23.3	2.12	-	-	-	-	-
MW-19	02/17/2015	73	-	0.6	7.37	5.42	-	22.9	0.78	-	-	-	-	-
MW-19	07/23/2015	100	-	0.38	6.18	5.63	-	23.8	3.83	-	-	-	-	-
MW-19	03/23/2016	84	-	0.66	7.29	5.40	25.3	23.1	2.96	-	-	-	-	-
MW-19	07/26/2016	123	-	0.37	6.41	5.44	40	24.1	4.43	-	-	-	-	-
MW-19	08/17/2016	104	-	0.15	6.64	5.27	52.7	24.3	3.8	6.6	5.5	40	-	-
MW-19	01/25/2017	118	106.98	0.33	6.52	5.74	120.6	23.0	5.99	<0.0073	4.9 I	-	-	-
MW-19	08/17/2017	133	-	0.20	5.86	5.17	45.2	22.6	2.60	<0.0073	5.4	-	-	-
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-19D	08/17/2017	242	107.62	0.21	5.97	6.15	-164.5	26.5	4.39	-	-	-	-	-
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	-	-	-

**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**  
**JULY 2014 THROUGH JULY 2019**

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**	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>Background</b>															
MW-3	07/22/2014	<1.3	-	17	-	<0.25	-	0.44 I	-	<2.5	-	0.56	-	48	-
MW-3	01/21/2015	<1.3	-	15	-	<0.25	-	0.29 I	-	<2.5	-	0.4 I	-	27	-
MW-3	07/22/2015	<1.3	-	12	-	<0.25	-	0.61	-	<2.5	-	0.35 I	-	49	-
MW-3	03/22/2016	<1.5	-	29	-	<0.17	-	0.24 I	-	<1.6	-	0.58	-	71	-
MW-3	07/26/2016	<1.5	-	18	-	<0.17	-	0.16 I	-	<1.6	-	0.44 I	-	43	-
MW-3	01/24/2017	<6.10	-	31.1 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	57.7	-
MW-3	07/20/2017	<6.10	-	36.2 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	88.9	-
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-7	07/22/2014	7.7	-	18	-	<0.25	-	<0.095	-	<2.5	-	1.1	-	<1.1	-
MW-7	01/21/2015	6.4	-	16	-	<0.25	-	<0.095	-	<2.5	-	1	-	<1.1	-
MW-7	07/22/2015	7.7	-	19	-	<0.25	-	<0.095	-	<2.5	-	1.3	-	5.6	-
MW-7	03/23/2016	8.4	-	18	-	<0.17	-	<0.15	-	<1.6	-	1.3	-	17	-
MW-7	07/26/2016	7.6	-	17	-	<0.17	-	<0.15	-	<1.6	-	1.2	-	16	-
MW-7	01/24/2017	7.34 I	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	17.6	-
MW-7	07/20/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	5.54 I	-
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	-
<b>Compliance</b>															
MW-10	07/22/2014	2.3 I	2.3 I	57 J	9.8	<0.25	<0.25	0.3 I	<0.095	3.8 I	<2.5	0.4 I	0.41 I	<1.1	<1.1
MW-10	01/20/2015	2.2 I	1.8 I	91	2.9 I	<0.25	<0.25	0.19 I	<0.095	6.5	<2.5	0.38 I	0.42 I	<1.1	<1.1
MW-10	07/22/2015	1.8 I	1.6 I	33	3.4 I	<0.25	<0.25	0.2 I	<0.095	<2.5	<2.5	0.35 I	0.33 I	<1.1	<1.1
MW-10	03/22/2016	3.1	1.9 I	200	27	0.18 I	<0.25	0.54	<0.095	15	<2.5	0.6	0.46 I	2.1 I	1.3 I
MW-10	07/27/2016	3.5	1.8 I	300	32	<0.17	<0.17	0.57	<0.15	22	2.4 I	0.37 I	0.30 I	2.3 I	<1.7
MW-10	01/25/2017	<6.10	<6.10	209	<20.0	<0.940	<0.940	<0.900	<0.900	11.7	<4.50	<2.10	4.32 I	2.38 I	<2.20
MW-10	07/19/2017	<6.10	<6.10	197	<20.0	<0.940	<0.940	<0.900	<0.900	11.7	<4.50	<2.10	2.26 I	<2.20	<2.20
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



**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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**	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-11	07/22/2014	<1.3	-	22	-	<0.25	-	<0.095	-	<2.5	-	0.2 I	-	<1.1	-
MW-11	01/20/2015	<1.3	-	22	-	<0.25	-	<0.095	-	3 I	-	<0.15	-	<1.1	-
MW-11	07/22/2015	<1.3	-	28	-	<0.25	-	0.11 I	-	<2.5	-	<0.15	-	<1.1	-
MW-11	03/24/2016	<1.5	-	33	-	<0.17	-	<0.15	-	<1.6	-	0.14 I	-	<1.7	-
MW-11	07/25/2016	<1.5	-	28	-	<0.17	-	<0.15	-	<1.6	-	0.15 I	-	<1.7	-
MW-11	01/24/2017	<6.10	-	26.8 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-11	07/20/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
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-12	07/22/2014	2.5	-	15	-	<0.25	-	<0.095	-	<2.5	-	0.62	-	<1.1	-
MW-12	01/20/2015	1.8 I	-	17	-	<0.25	-	<0.095	-	<2.5	-	0.41 I	-	<1.1	-
MW-12	07/22/2015	2.4 I	-	21	-	<0.25	-	<0.095	-	<2.5	-	0.66	-	<1.1	-
MW-12	03/24/2016	2.4 I	-	23	-	<0.17	-	<0.15	-	<1.6	-	0.71	-	<1.7	-
MW-12	07/25/2016	2.4 I	-	31	-	<0.17	-	<0.15	-	<1.6	-	0.71	-	<1.7	-
MW-12	01/24/2017	<6.10	-	32.6 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-12	07/20/2017	<6.10	-	23.6 I	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
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-13	07/23/2014	4.3	-	5.1	-	<0.25	-	<0.095	-	<2.5	-	6.2	-	<1.1	-
MW-13	01/20/2015	4.2	-	10	-	<0.25	-	<0.095	-	<2.5	-	6.5	-	2.5 I	-
MW-13	07/22/2015	3.9	-	3.5 I	-	<0.25	-	<0.095	-	<2.5	-	6.3	-	<1.1	-
MW-13	03/23/2016	4.4	-	6.1	-	<0.17	-	<0.15	-	<1.6	-	5.3	-	<1.7	-
MW-13	07/26/2016	4.5	-	5.6	-	<0.17	-	<0.15	-	<1.6	-	4.6	-	<1.7	-
MW-13	01/24/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	4.83 I	-	<2.20	-
MW-13	07/18/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	2.34 I	-	<2.20	-
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-14	07/23/2014	<1.3	-	13	-	<0.25	-	0.34 I	-	<2.5	-	0.9	-	<1.1	-
MW-14	01/20/2015	<1.3	-	11	-	<0.25	-	0.39 I	-	<2.5	-	0.5	-	<1.1	-
MW-14	07/22/2015	<1.3	-	11	-	<0.25	-	0.23 I	-	<2.5	-	0.32 I	-	<1.1	-

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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**	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-14	03/23/2016	<1.5	-	11	-	<0.17	-	0.41 I	-	<1.6	-	0.54	-	<1.7	-
MW-14	07/25/2016	<1.5	-	12	-	<0.17	-	0.41 I	-	<1.6	-	1.1	-	<1.7	-
MW-14	01/23/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-14	07/18/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
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	-
MW-14	07/23/2019	<5.00	-	<50.0	-	<0.500	-	<0.500	-	<5.00	-	<5.00	-	<2.50	-
MW-15	07/23/2014	4.1	-	2.9 I	-	<0.25	-	<0.095	-	<2.5	-	0.28 I	-	<1.1	-
MW-15	01/20/2015	4.1	-	2.3 I	-	<0.25	-	<0.095	-	<2.5	-	0.24 I	-	<1.1	-
MW-15	07/23/2015	4.1	-	1.3 I	-	<0.25	-	<0.095	-	<2.5	-	0.21 I	-	<1.1	-
MW-15	03/23/2016	4.5	-	4.3 I	-	0.44 I	-	0.41 I	-	<1.6	-	1.4	-	2.8 I	-
MW-15	07/25/2016	3.8	-	1.4 I	-	<0.17	-	0.18 I	-	<1.6	-	0.22 I	-	<1.7	-
MW-15	01/23/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
MW-15	07/18/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	<2.10	-	<2.20	-
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-17	07/23/2014	4.6	-	13	-	<0.25	-	<0.095	-	<2.5	-	5.8	-	<1.1	-
MW-17	01/20/2015	4.3	-	4.9 I	-	<0.25	-	<0.095	-	<2.5	-	6.4	-	<1.1	-
MW-17	07/22/2015	4.4	-	2.7 I	-	<0.25	-	<0.095	-	<2.5	-	6.3	-	1.7 I	-
MW-17	03/23/2016	6.5	-	10	-	<0.17	-	<0.15	-	<1.6	-	5.7	-	<1.7	-
MW-17	07/25/2016	6.5	-	2.4 I	-	<0.17	-	<0.15	-	<1.6	-	5.5	-	<1.7	-
MW-17	01/23/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	6.43 I	-	<2.20	-
MW-17	07/18/2017	<6.10	-	<20.0	-	<0.940	-	<0.900	-	<4.50	-	3.75 I	-	<2.20	-
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-20	07/22/2014	8	-	19	-	<0.25	-	<0.095	-	<2.5	-	1.6	-	<1.1	-
MW-20	01/21/2015	7	-	16	-	<0.25	-	<0.095	-	<2.5	-	2.1	-	<1.1	-
MW-20	07/22/2015	7.7	-	13	-	<0.25	-	0.2 I	-	<2.5	-	2.4	-	<1.1	-
MW-20	03/22/2016	8.8	-	26	-	<0.17	-	<0.15	-	<1.6	-	3.2	-	<1.7	-
MW-20	07/26/2016	8.2	-	22	-	<0.17	-	<0.15	-	<1.6	-	2.5	-	<1.7	-
MW-20	01/25/2017	8.62 I	-	30.8 I	-	<0.940	-	<0.900	-	<4.50	-	2.90 I	-	<2.20	-

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**CITRUS COUNTY CENTRAL LANDFILL**  
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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**	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-20	07/19/2017	<6.10	-	36.3 I	-	<0.940	-	<0.900	-	<4.50	-	3.93 I	-	<2.20	-
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-21	07/22/2014	3.4	2.9	35	2.9 I	<0.25	<0.25	0.17 I	0.18 I	4.2 I	<2.5	0.46 I	0.28 I	<1.1	1.6 I
MW-21	01/20/2015	3.3	3.4	33	<1.3	<0.25	<0.25	0.13 I	<0.095	4.2 I	<2.5	0.66	0.57	<1.1	<1.1
MW-21	07/23/2015	3.6	3.5	11	<1.3	<0.25	<0.25	0.14 I	<0.095	<2.5	<2.5	2.6	2.4	<1.1	<1.1
MW-21	03/22/2016	4.8	4.5	26	3.8 I	<0.17	<0.25	<0.15	<0.095	3.9 I	3.3 I	1.3	1.3	<1.7	<1.1
MW-21	07/27/2016	4.4	4.2	26	22	<0.17	<0.17	<0.15	<0.15	3.7 I	3.3 I	1.1	1.2	<1.7	<1.7
MW-21	01/25/2017	<6.10	<6.10	<20.0	<20.0	<0.940	<0.940	<0.900	<0.900	<4.50	<4.50	<2.10	3.19 I	<2.20	<2.20
MW-21	07/19/2017	<6.10	<6.10	32.9 I	<20.0	<0.940	<0.940	<0.900	<0.900	5.16 I	<4.50	<2.10	5.28 I	<2.20	<2.20
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-22	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-
<b>Assessment</b>															
MW-18	07/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	01/21/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	03/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/27/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	01/25/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/19/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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**
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/21/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/17/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	03/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/26/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	08/17/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/25/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-

**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**  
**JULY 2014 THROUGH JULY 2019**

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	07/22/2014	100	-	2.9	-	<0.091	-	10	-	<1	-	<0.25	-	5.7	-
MW-3	01/21/2015	<33	-	3.8	-	<0.091	-	6	-	<1	-	<0.25	-	6.5	-
MW-3	07/22/2015	<33	-	2.1	-	<0.091	-	3.5 I	-	<1	-	<0.25	-	4.9	-
MW-3	03/22/2016	34 I	-	6	-	<0.08	-	5	-	<1	-	<0.1	-	8.9	-
MW-3	07/26/2016	<25	-	3.7	-	<0.08	-	3.1 I	-	<1	-	<0.1	-	7.4	-
MW-3	01/24/2017	<38.0	-	5.24	-	<0.0230	-	5.62 I	-	<6.50	-	<0.290	-	8.4	-
MW-3	07/20/2017	<38.0	-	5.57	-	0.0428 I	-	4.10 I	-	<6.50	-	<0.290	-	10.8	-
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-7	07/22/2014	2300	-	1.3 I	-	<0.091	-	7.8	-	<1	-	<0.25	-	8.9	-
MW-7	01/21/2015	1900	-	0.65 I	-	<0.091	-	8	-	<1	-	<0.25	-	9.3	-
MW-7	07/22/2015	2300	-	1.1 I	-	<0.091	-	8.9	-	<1	-	<0.25	-	9.6	-
MW-7	03/23/2016	2100	-	1.3 I	-	<0.08	-	9.2	-	<1	-	<0.1	-	11	-
MW-7	07/26/2016	2500	-	<0.98	-	<0.08	-	8.4	-	<1	-	<0.1	-	11	-
MW-7	01/24/2017	1030	-	2.44 I	-	0.0276 I	-	8.23 I	-	<6.50	-	<0.290	-	9.7	-
MW-7	07/20/2017	1740	-	<1.60	-	<0.0230	-	5.91 I	-	<6.50	-	<0.290	-	8.98	-
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	-
<b>Compliance</b>															
MW-10	07/22/2014	5200	5900	2.1	0.31 I	<0.091	<0.091	2 I	2.2 I	<1	<1	0.52 I	<0.25	3.9 J	4.7
MW-10	01/20/2015	5100	4700	3.3	<0.2	<0.091	<0.091	3.3 I	<2	1.4 I	<1	<0.25	<0.25	5	4.7
MW-10	07/22/2015	5000	4700	1.1 I	<0.2	<0.091	<0.091	<2	<2	<1	<1	<0.25	<0.25	4.8	4.6
MW-10	03/22/2016	5800	4300	7.6	0.92 I	<0.08	<0.091	4.7 I	<2	<1	<1	0.25 I	<0.25	6.8	6.1
MW-10	07/27/2016	5900	4800	11	1.2 I	<0.08	<0.08	5.4	<1.9	8.6	1.5 I	0.23 I	<0.1	4.5	4.4
MW-10	01/25/2017	5100	3850	6.46	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	4.3	4.1
MW-10	07/19/2017	5150	4260	6.36	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	4.44	4.41
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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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-11	07/22/2014	<33	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	3.4	-
MW-11	01/20/2015	73 I	-	<0.2	-	<0.091	-	3 I	-	<1	-	<0.25	-	4.3	-
MW-11	07/22/2015	38 I	-	<0.2	-	<0.091	-	2.2 I	-	<1	-	<0.25	-	4.6	-
MW-11	03/24/2016	56 I	-	<0.98	-	<0.08	-	3.3 I	-	<1	-	<0.1	-	5.2	-
MW-11	07/25/2016	100	-	<0.98	-	<0.08	-	2.9 I	-	<1	-	<0.1	-	5.0	-
MW-11	01/24/2017	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.4	-
MW-11	07/20/2017	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.96	-
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-12	07/22/2014	2700	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	2.9	-
MW-12	01/20/2015	2900	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	3.5	-
MW-12	07/22/2015	4100	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	3.5	-
MW-12	03/24/2016	4200	-	<0.98	-	<0.08	-	2 I	-	<1	-	<0.1	-	4.3	-
MW-12	07/25/2016	5800	-	<0.98	-	<0.08	-	<1.9	-	<1	-	<0.1	-	3.9	-
MW-12	01/24/2017	5440	-	<1.60	-	<0.0230	-	3.48 I	-	<6.50	-	<0.290	-	2.6	-
MW-12	07/20/2017	6620	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.12	-
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-13	07/23/2014	3400	-	<0.2	-	<0.091	-	3.9 I	-	<1	-	<0.25	-	2.7	-
MW-13	01/20/2015	3700	-	0.54 I	-	<0.091	-	4.9 I	-	<1	-	<0.25	-	3.1	-
MW-13	07/22/2015	3400	-	<0.2	-	<0.091	-	3 I	-	<1	-	<0.25	-	2.9	-
MW-13	03/23/2016	2900	-	<0.98	-	<0.08	-	2.9 I	-	<1	-	<0.1	-	2.8	-
MW-13	07/26/2016	3000	-	<0.98	-	<0.08	-	3.0 I	-	<1	-	<0.1	-	3.0	-
MW-13	01/24/2017	2860	-	<1.60	-	0.0902 I	-	3.38 I	-	<6.50	-	<0.290	-	1.8	-
MW-13	07/18/2017	2980	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.42	-
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-14	07/23/2014	51 I	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	3	-
MW-14	01/20/2015	45 I	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	3	-
MW-14	07/22/2015	35 I	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	3.4	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	03/23/2016	72 I	-	<0.98	-	<0.08	-	<1.9	-	<1	-	<0.1	-	3.9	-
MW-14	07/25/2016	85 I	-	<0.98	-	<0.08	-	<1.9	-	<1	-	<0.1	-	3.7	-
MW-14	01/23/2017	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.1	-
MW-14	07/18/2017	<38.0	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.16	-
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	-
MW-14	07/23/2019	52.3 V	-	<2.50	-	0.0270 I	-	<5.00	-	<5.00	-	<0.500	-	3.31	-
MW-15	07/23/2014	7200	-	<0.2	-	<0.091	-	3.1 I	-	<1	-	<0.25	-	1.7	-
MW-15	01/20/2015	7500	-	0.28 I	-	<0.091	-	2 I	-	<1	-	<0.25	-	1.8	-
MW-15	07/23/2015	7200	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	2	-
MW-15	03/23/2016	8900	-	1.7 I	-	<0.08	-	2.5 I	-	1.8 I	-	0.36 I	-	2.5	-
MW-15	07/25/2016	8100	-	<0.98	-	<0.08	-	2.9 I	-	<1	-	0.18 I	-	2.6	-
MW-15	01/23/2017	7290	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.3	-
MW-15	07/18/2017	7380	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.07	-
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-17	07/23/2014	13000	-	0.29 I	-	<0.091	-	2.3 I	-	<1	-	<0.25	-	2.4	-
MW-17	01/20/2015	13000	-	<0.2	-	<0.091	-	2.4 I	-	<1	-	<0.25	-	2.3	-
MW-17	07/22/2015	15000	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	2	-
MW-17	03/23/2016	24000	-	<0.98	-	<0.08	-	1.9 I	-	<1	-	<0.1	-	3.2	-
MW-17	07/25/2016	28000	-	<0.98	-	<0.08	-	3.4 I	-	<1	-	<0.1	-	4.0	-
MW-17	01/23/2017	29600	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	3.1	-
MW-17	07/18/2017	34200	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	2.37	-
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-20	07/22/2014	50000	-	<0.2	-	<0.091	-	2.3 I	-	<1	-	<0.25	-	8.1	-
MW-20	01/21/2015	63000	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	8.7	-
MW-20	07/22/2015	67000	-	<0.2	-	<0.091	-	<2	-	<1	-	<0.25	-	9.2	-
MW-20	03/22/2016	160000	-	<0.98	-	<0.08	-	<1.9	-	<1	-	<0.1	-	23	-
MW-20	07/26/2016	150000	-	<0.98	-	<0.08	-	<1.9	-	<1	-	<0.1	-	17	-
MW-20	01/25/2017	127000	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	16	-

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**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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-20	07/19/2017	124000	-	<1.60	-	<0.0230	-	<3.20	-	<6.50	-	<0.290	-	15.2	-
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-21	07/22/2014	1200	710	1.8	0.39 I	<0.091	<0.091	<2	<2	<1	<1	<0.25	<0.25	1.7	1.4
MW-21	01/20/2015	1300	910	1.8	<0.2	<0.091	<0.091	4.2 I	2 I	<1	<1	<0.25	<0.25	2.1	2
MW-21	07/23/2015	1800	1700	0.38 I	<0.2	<0.091	<0.091	<2	<2	1.2 I	1.2 I	<0.25	<0.25	2.1	2.1
MW-21	03/22/2016	3000	2700	1.3 I	<0.2	<0.08	<0.091	<1.9	<2	<1	<1	0.37 I	<0.25	3.7	3.6
MW-21	07/27/2016	1800	1800	1.3 I	1.2 I	<0.08	<0.08	<1.9	<1.9	1.5 I	1.2 I	<0.1	<0.1	2.0	2.0
MW-21	01/25/2017	5550	5470	<1.60	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	2.1	2.2
MW-21	07/19/2017	3790	3850	<1.60	<1.60	<0.0230	<0.0230	<3.20	<3.20	<6.50	<6.50	<0.290	<0.290	2.08	2.33
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-22	08/17/2017	241	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-
<b>Assessment</b>															
MW-18	07/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	01/21/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	03/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/27/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	01/25/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/19/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	08/17/2017	939	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	156	-	-	-	-	-	-	-	-	-	-	-	-	-



**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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*
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
MW-18D	07/26/2018	216	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	73.3	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	77.2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/21/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/17/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	03/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/26/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	08/17/2016	1100	-	-	-	-	-	-	-	-	-	-	3.4	-
MW-19	01/25/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	08/17/2017	22200	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	24700	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	19800	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	26000	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	34100	-	-	-	-	-	-	-	-	-	-	-	-

**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	

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	07/22/2014	<0.5	-	<3.8	-	170	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.094	<0.0052
MW-3	01/21/2015	<0.5	-	<3.8	-	66	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.088	<0.0049
MW-3	07/22/2015	<0.5	-	<3.8	-	230	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.088	<0.0049
MW-3	03/22/2016	<0.49	-	<5.3	-	96	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-3	07/26/2016	<0.49	-	<5.3	-	69	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-3	01/24/2017	<0.580	-	<2.00	-	70.2	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-3	07/20/2017	<0.580	-	<2.00	-	81.8	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-3	02/07/2018	<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-7	07/22/2014	<0.5	-	<3.8	-	20	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.094	<0.0052
MW-7	01/21/2015	<0.5	-	<3.8	-	37	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.091	<0.0051
MW-7	07/22/2015	<0.5	-	<3.8	-	60	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.005
MW-7	03/23/2016	<0.49	-	<5.3	-	130	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-7	07/26/2016	<0.49	-	<5.3	-	110	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-7	01/24/2017	<0.580	-	<2.00	-	130	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-7	07/20/2017	<0.580	-	<2.00	-	69.3	-	<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
<b>Compliance</b>															
MW-10	07/22/2014	<0.5	<0.5	<3.8	<3.8	8.7 I	<8.3	<0.63	<0.46	<0.15	<0.47	1.2	<0.45	<0.095	<0.0053
MW-10	01/20/2015	<0.5	<0.5	<3.8	<3.8	<8.3	<8.3	<0.63	<0.46	<0.15	<0.47	1.1	<0.45	<0.089	<0.005
MW-10	07/22/2015	<0.5	<0.5	5.6 I	5 I	<8.3	<8.3	<0.63	<0.46	<0.15	<0.47	0.86 I	<0.45	<0.089	<0.0049
MW-10	03/22/2016	<0.49	<0.5	<5.3	<3.8	<9.6	<8.3	<0.63	<0.47	<0.17	<0.47	0.67 I	<0.67	<0.088	<0.0049
MW-10	07/27/2016	<0.49	<0.49	5.8 I	<5.3	<9.6	<9.6	<0.63	<0.47	<0.17	<0.47	0.58 I	<0.67	<0.087	<0.0048
MW-10	01/25/2017	<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-10	07/19/2017	<0.580	<0.580	5.64 I	<2.00	<16.0	<16.0	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-10	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-10	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-10	02/14/2019	<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-10	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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	
MW-11	07/22/2014	1.1	-	3.8 I	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.095	<0.0053
MW-11	01/20/2015	1.2	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.005
MW-11	07/22/2015	1.8	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.005
MW-11	03/24/2016	1.9	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.088	<0.0049
MW-11	07/25/2016	1.4	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-11	01/24/2017	1.20	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-11	07/20/2017	0.670 I	-	<2.00	-	<16.0	-	<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-12	07/22/2014	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.094	<0.0052
MW-12	01/20/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.091	<0.005
MW-12	07/22/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.0049
MW-12	03/24/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.089	<0.005
MW-12	07/25/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.087	<0.0048
MW-12	01/24/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	07/20/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-12	02/06/2018	<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-13	07/23/2014	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.09	<0.005
MW-13	01/20/2015	<0.5	-	<3.8	-	46 J	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.088	<0.0049
MW-13	07/22/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.005
MW-13	03/23/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.089	<0.005
MW-13	07/26/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-13	01/24/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	07/18/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-13	02/06/2018	<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-14	07/23/2014	<0.5	-	4.2 I	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.093	<0.0052
MW-14	01/20/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.09	<0.005
MW-14	07/22/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.087	<0.0048

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	
MW-14	03/23/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-14	07/25/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.087	<0.0048
MW-14	01/23/2017	<0.580	-	2.50 I	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-14	07/18/2017	<0.580	-	2.46 I	-	<16.0	-	<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
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-15	07/23/2014	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.095	<0.0053
MW-15	01/20/2015	<0.5	-	<3.8	-	9.8 I	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.005
MW-15	07/23/2015	<0.5	-	6.7 I	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.09	<0.005
MW-15	03/23/2016	<0.49	-	<5.3	-	13 I	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.088	<0.0049
MW-15	07/25/2016	<0.49	-	<5.3	-	11 I	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-15	01/23/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	07/18/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-15	02/05/2018	<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-17	07/23/2014	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.092	<0.0051
MW-17	01/20/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.092	<0.0051
MW-17	07/22/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.089	<0.005
MW-17	03/23/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.087	<0.0048
MW-17	07/25/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.086	<0.0048
MW-17	01/23/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	07/18/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012
MW-17	02/05/2018	<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-20	07/22/2014	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.096	<0.0053
MW-20	01/21/2015	<0.5	-	<3.8	-	<8.3	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.091	<0.005
MW-20	07/22/2015	<0.5	-	<3.8	-	17 I	-	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.087	<0.0048
MW-20	03/22/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.089	<0.0049
MW-20	07/26/2016	<0.49	-	<5.3	-	<9.6	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.088	<0.0049
MW-20	01/25/2017	<0.580	-	<2.00	-	<16.0	-	<0.61	<0.80	<0.54	<0.76	<0.62	<0.94	<0.64	<0.012

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	
MW-20	07/19/2017	<0.580	-	<2.00	-	<16.0	-	<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	-	19.6 I	-	<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-21	07/22/2014	<0.5	<0.5	4.6 I	<3.8	<8.3	<8.3	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.094	<0.0052
MW-21	01/20/2015	<0.5	<0.5	<3.8	<3.8	<8.3	<8.3	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.09	<0.005
MW-21	07/23/2015	<0.5	<0.5	5.2 I	7.3 I	<8.3	<8.3	<0.63	<0.46	<0.15	<0.47	<0.52	<0.45	<0.088	<0.0049
MW-21	03/22/2016	<0.49	<0.5	<5.3	<3.8	<9.6	<8.3	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.088	<0.0049
MW-21	07/27/2016	<0.49	<0.49	<5.3	<5.3	<9.6	<9.6	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.089	<0.0049
MW-21	01/25/2017	<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	07/19/2017	<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	02/07/2018	<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-22	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
<b>Assessment</b>															
MW-18	07/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	01/21/2015	-	-	-	-	-	-	<0.63	<0.47	<0.17	<0.47	<0.52	<0.67	<0.44	<2.5
MW-18	07/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	03/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/27/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	01/25/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/19/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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*
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/21/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/17/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	03/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/26/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	08/17/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/25/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/06/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/24/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	02/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/25/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	08/17/2017	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/08/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/26/2018	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	02/18/2019	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19D	07/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-

**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**  
**JULY 2014 THROUGH JULY 2019**

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***
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>Background</b>															
MW-3	07/22/2014	<0.0023	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-3	01/21/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-3	07/22/2015	<0.0021	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-3	03/22/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-3	07/26/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-3	01/24/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	34	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-3	07/20/2017	<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	02/07/2018	<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-7	07/22/2014	<0.0023	<0.44	<0.57	<0.52	1.6	<4.4	<3.8	<9.9	<1.2	2	<0.58	<0.35	<0.58	<2.5
MW-7	01/21/2015	<0.0022	<0.44	<0.57	<0.52	2.2	<4.4	<3.8	<9.9	<1.2	2	<0.58	<0.35	<0.58	<2.5
MW-7	07/22/2015	<0.0022	<0.44	<0.57	<0.52	2.2	<4.4	<3.8	<9.9	<1.2	2.1	<0.58	<0.35	<0.58	<2.5
MW-7	03/23/2016	<0.0021	<0.49	<0.57	<0.52	3.5	<4.4	<4	<9.9	<4.5	1.8	<0.58	<0.44	<0.63	<2.5
MW-7	07/26/2016	<0.0021	<0.49	<0.57	<0.52	3.8	<4.4	<4	<9.9	<4.5	2.6	<0.58	<0.44	<0.63	<2.5
MW-7	01/24/2017	<0.004	<0.73	<0.63	<0.80	3.1	<1.4	<0.79	28	<3.2	2.7	<0.94	<0.52	<0.75	<0.95
MW-7	07/20/2017	<0.004	<0.73	<0.63	<0.80	4.1	<1.4	<0.79	<10	<3.2	3.6	<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
<b>Compliance</b>															
MW-10	07/22/2014	<0.0023	<0.44	<0.57	<0.52	6.8	<4.4	<3.8	<9.9	<1.2	1.6	<0.58	<0.35	<0.58	<2.5
MW-10	01/20/2015	<0.0022	<0.44	<0.57	<0.52	7.3	<4.4	<3.8	<9.9	<1.2	1.3	<0.58	<0.35	<0.58	<2.5
MW-10	07/22/2015	<0.0022	<0.44	<0.57	<0.52	5.5	<4.4	<3.8	<9.9	<1.2	1	<0.58	<0.35	<0.58	<2.5
MW-10	03/22/2016	<0.0022	<0.49	<0.57	<0.52	5.7	<4.4	<4	<9.9	<4.5	0.62 I	<0.58	<0.44	<0.63	<2.5
MW-10	07/27/2016	<0.0021	<0.49	<0.57	<0.52	5.5	<4.4	<4	<9.9	<4.5	0.72 I	<0.58	<0.44	<0.63	<2.5
MW-10	01/25/2017	<0.004	<0.73	<0.63	<0.80	5.0	<1.4	<0.79	34	<3.2	0.84 I	<0.94	<0.52	<0.75	<0.95
MW-10	07/19/2017	<0.004	<0.73	<0.63	<0.80	5.0	<1.4	<0.79	<10	<3.2	0.71 I	<0.94	<0.52	<0.75	<0.95
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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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***
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11	07/22/2014	<0.0023	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-11	01/20/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-11	07/22/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-11	03/24/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-11	07/25/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-11	01/24/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	17 I	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-11	07/20/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	11 I	<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-12	07/22/2014	<0.0023	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-12	01/20/2015	<0.0022	<0.44	<0.57	<0.52	0.96 I	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-12	07/22/2015	<0.0022	<0.44	<0.57	<0.52	0.95 I	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-12	03/24/2016	<0.0022	<0.49	<0.57	<0.52	0.85 I	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-12	07/25/2016	<0.0021	<0.49	<0.57	<0.52	0.91	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-12	01/24/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	28	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-12	07/20/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	15 I	<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	12 I	<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-13	07/23/2014	<0.0022	<0.44	<0.57	<0.52	2.2	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-13	01/20/2015	<0.0022	<0.44	<0.57	<0.52	2.8	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-13	07/22/2015	<0.0022	<0.44	<0.57	<0.52	2.2	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-13	03/23/2016	<0.0022	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-13	07/26/2016	<0.0021	<0.49	<0.57	<0.52	1.1	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-13	01/24/2017	<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-13	07/18/2017	<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	02/06/2018	<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-14	07/23/2014	<0.0023	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-14	01/20/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-14	07/22/2015	<0.0021	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5



**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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***
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-14	03/23/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-14	07/25/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-14	01/23/2017	<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	07/18/2017	<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	02/05/2018	<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
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-15	07/23/2014	<0.0023	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-15	01/20/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-15	07/23/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-15	03/23/2016	<0.0022	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-15	07/25/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	130	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-15	01/23/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	22	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95
MW-15	07/18/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	13 I	<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 I	<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-17	07/23/2014	<0.0023	<0.44	<0.57	<0.52	0.64 I	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-17	01/20/2015	<0.0022	<0.44	<0.57	<0.52	1.1	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-17	07/22/2015	<0.0022	<0.44	<0.57	<0.52	0.77 I	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-17	03/23/2016	<0.0021	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	0.62 I	<0.58	<0.44	<0.63	<2.5
MW-17	07/25/2016	<0.0021	<0.49	<0.57	<0.52	1.3	<4.4	<4	<9.9	<4.5	0.56 I	<0.58	<0.44	<0.63	<2.5
MW-17	01/23/2017	<0.004	<0.73	<0.63	<0.80	2.0	<1.4	<0.79	27	<3.2	0.81 I	<0.94	<0.52	<0.75	<0.95
MW-17	07/18/2017	<0.004	<0.73	<0.63	<0.80	1.4	<1.4	<0.79	14 I	<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 I	<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-20	07/22/2014	<0.0023	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-20	01/21/2015	<0.0022	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-20	07/22/2015	<0.0021	<0.44	<0.57	<0.52	<0.52	<4.4	<3.8	<9.9	<1.2	<0.5	<0.58	<0.35	<0.58	<2.5
MW-20	03/22/2016	<0.0022	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-20	07/26/2016	<0.0022	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.44	<0.63	<2.5
MW-20	01/25/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	22	<3.2	<0.71	<0.94	<0.52	<0.75	<0.95

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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***
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-20	07/19/2017	<0.004	<0.73	<0.63	<0.80	<0.76	<1.4	<0.79	27	<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-21	07/22/2014	<0.0023	<0.44	<0.57	<0.52	8.3	<4.4	<3.8	<9.9	<1.2	1.5	<0.58	<0.35	<0.58	<2.5
MW-21	01/20/2015	<0.0022	<0.44	<0.57	<0.52	10	<4.4	<3.8	<9.9	<1.2	1.5	<0.58	<0.35	<0.58	<2.5
MW-21	07/23/2015	<0.0022	<0.44	<0.57	<0.52	9	<4.4	<3.8	<9.9	<1.2	1.3	<0.58	<0.35	<0.58	<2.5
MW-21	03/22/2016	<0.0021	<0.49	<0.57	<0.52	8.8	<4.4	<4	<9.9	<4.5	1.3	<0.58	<0.44	<0.63	<2.5
MW-21	07/27/2016	<0.0022	<0.49	<0.57	<0.52	5.5	<4.4	<4	<9.9	<4.5	0.93 I	<0.58	<0.44	<0.63	<2.5
MW-21	01/25/2017	<0.004	<0.73	<0.63	<0.80	5.3	<1.4	<0.79	28	<3.2	1.0	<0.94	<0.52	<0.75	<0.95
MW-21	07/19/2017	<0.004	<0.73	<0.63	<0.80	7.5	<1.4	<0.79	20	<3.2	1.2	<0.94	<0.52	<0.75	<0.95
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 I	<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-22	08/17/2017	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
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
<b>Assessment</b>															
MW-18	07/22/2014	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-
MW-18	01/21/2015	<0.5	<0.49	<0.57	<0.52	<0.6	<4.4	<4	<9.9	<4.5	<0.5	<0.58	<0.35	<0.63	<2.5
MW-18	07/23/2015	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-
MW-18	03/23/2016	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-
MW-18	07/27/2016	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-
MW-18	01/25/2017	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18	07/19/2017	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
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-18D	08/17/2017	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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***
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
MW-19	07/22/2014	-	-	-	-	-	-	-	-	0.65 I	-	-	-	-
MW-19	01/21/2015	-	-	-	-	-	-	-	-	1	-	-	-	-
MW-19	02/17/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/23/2015	-	-	-	-	-	-	-	-	0.74 I	-	-	-	-
MW-19	03/23/2016	-	-	-	-	-	-	-	-	2.2	-	-	-	-
MW-19	07/26/2016	-	-	-	-	-	-	-	-	2.2	-	-	-	-
MW-19	08/17/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/25/2017	-	-	-	-	-	-	-	-	2.1	-	-	-	-
MW-19	08/17/2017	-	-	-	-	-	-	-	-	1.8	-	-	-	-
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-19D	08/17/2017	-	-	-	-	-	-	-	-	<0.71	-	-	-	-
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	-	-	-	-

**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**  
**JULY 2014 THROUGH JULY 2019**

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*** µg/L	3 µg/L* µg/L	100 µg/L* µg/L	12 µg/L*** µg/L	70 µg/L*** µg/L	2.7 µg/L*** µg/L	70 µg/L* µg/L	0.4 µg/L*** µg/L	0.4 µg/L*** µg/L	5 µg/L* µg/L	30 µg/L** µg/L	20 µg/L** µg/L	4200 µg/L*** µg/L	(1) µg/L	
<b>Background</b>															
MW-3	07/22/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-3	01/21/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-3	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-3	03/22/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-3	07/26/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-3	01/24/2017	<2.6	<0.94	<0.72	<0.98	<0.80	2.3	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-3	07/20/2017	<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	02/07/2018	<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-7	07/22/2014	<1	<0.42	0.87 I	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	3.3	-	<8.4	<2.5
MW-7	01/21/2015	<1	<0.42	1.3	<2.5	<0.9	<1	0.77 I	<0.14	<0.34	<4	2.6	-	<8.4	<2.5
MW-7	07/22/2015	<1	<0.42	1	<2.5	<0.9	<1	0.69 I	<0.14	<0.34	<4	3.9	-	<8.4	<2.5
MW-7	03/23/2016	<1	<0.43	1.2	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	2.5	-	<8.4	<2.5
MW-7	07/26/2016	<1	<0.43	1.2	<2.5	<0.9	<1	0.76 I	<0.39	<0.31	<5	3.9	-	<8.4	<2.5
MW-7	01/24/2017	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	<0.53	<0.59	<0.44	<2.0	1.8	<1.3	<4.5	<0.72
MW-7	07/20/2017	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	0.88 I	<0.59	<0.44	<2.0	1.9	<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	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
<b>Compliance</b>															
MW-10	07/22/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	5.2	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-10	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	3.4	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-10	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	3.1	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-10	03/22/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	2.2	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-10	07/27/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	2.2	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-10	01/25/2017	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	2.4	<0.59	<0.44	<2.0	<0.69	1.6 I	<4.5	<0.72
MW-10	07/19/2017	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	2.6	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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*** µg/L	3 µg/L* µg/L	100 µg/L* µg/L	12 µg/L*** µg/L	70 µg/L*** µg/L	2.7 µg/L*** µg/L	70 µg/L* µg/L	0.4 µg/L*** µg/L	0.4 µg/L*** µg/L	5 µg/L* µg/L	30 µg/L** µg/L	20 µg/L** µg/L	4200 µg/L*** µg/L	(1) µg/L
MW-11	07/22/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-11	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-11	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-11	03/24/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-11	07/25/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-11	01/24/2017	<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	07/20/2017	<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	02/06/2018	<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-12	07/22/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-12	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-12	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-12	03/24/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-12	07/25/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-12	01/24/2017	<2.6	<0.94	<0.72	<0.98	<0.80	2.6	<0.53	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
MW-12	07/20/2017	<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-13	07/23/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	1	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-13	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	1.2	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-13	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	1.5	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-13	03/23/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-13	07/26/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-13	01/24/2017	<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	07/18/2017	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	1.2	<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-14	07/23/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-14	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-14	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-14	03/23/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-14	07/25/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-14	01/23/2017	<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	07/18/2017	<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	1.1 I
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
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-15	07/23/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	2.2	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-15	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	1.8	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-15	07/23/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	2	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-15	03/23/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	1.9	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-15	07/25/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	1.5	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-15	01/23/2017	<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	07/18/2017	<2.6	<0.94	<0.72	<0.98	<0.80	<0.82	2.0	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	1.4 I
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-17	07/23/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-17	01/20/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-17	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-17	03/23/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-17	07/25/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-17	01/23/2017	<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	07/18/2017	<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	2.4 I
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-20	07/22/2014	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-20	01/21/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-20	07/22/2015	<1	<0.42	<0.63	<2.5	<0.9	<1	<0.65	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-20	03/22/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-20	07/26/2016	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-20	01/25/2017	<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**  
**JULY 2014 THROUGH JULY 2019**

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*** µg/L	3 µg/L* µg/L	100 µg/L* µg/L	12 µg/L*** µg/L	70 µg/L*** µg/L	2.7 µg/L*** µg/L	70 µg/L* µg/L	0.4 µg/L*** µg/L	0.4 µg/L*** µg/L	5 µg/L* µg/L	30 µg/L** µg/L	20 µg/L** µg/L	4200 µg/L*** µg/L	(1) µg/L
MW-20	07/19/2017	<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-21	07/22/2014	<1	<0.42	1.1	<2.5	<0.9	<1	1.6	<0.14	<0.34	<4	0.44 I	-	<8.4	<2.5
MW-21	01/20/2015	<1	<0.42	1.5	<2.5	<0.9	<1	1.2	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-21	07/23/2015	<1	<0.42	1.4	<2.5	<0.9	<1	1.5	<0.14	<0.34	<4	<0.44	-	<8.4	<2.5
MW-21	03/22/2016	<1	<0.43	1.4	<2.5	<0.9	<1	1.3	<0.39	<0.31	<4	<0.44	-	<8.4	<2.5
MW-21	07/27/2016	<1	<0.43	1.1	<2.5	<0.9	<1	0.83 I	<0.39	<0.31	<5	<0.44	-	<8.4	<2.5
MW-21	01/25/2017	<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-21	07/19/2017	<2.6	<0.94	1.6	<0.98	<0.80	<0.82	1.8	<0.59	<0.44	<2.0	<0.69	<1.3	<4.5	<0.72
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-22	08/17/2017	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
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
<b>Assessment</b>															
MW-18	07/22/2014	-	-	-	-	-	-	-	-	-	<4	-	-	-	-
MW-18	01/21/2015	<1	<0.43	<0.63	<2.5	<0.9	<1	<0.65	<0.39	<0.34	<4	<0.44	-	<8.4	<2.5
MW-18	07/23/2015	-	-	-	-	-	-	-	-	-	<4	-	-	-	-
MW-18	03/23/2016	-	-	-	-	-	-	-	-	-	<4	-	-	-	-
MW-18	07/27/2016	-	-	-	-	-	-	-	-	-	<5	-	-	-	-
MW-18	01/25/2017	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18	07/19/2017	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
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-18D	08/17/2017	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	02/08/2018	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	<2.0	-	-	-	-
MW-19	07/22/2014	-	-	-	-	-	-	-	-	4.2 I	-	-	-	-
MW-19	01/21/2015	-	-	-	-	-	-	-	-	7.3	-	-	-	-
MW-19	02/17/2015	-	-	-	-	-	-	-	-	8.7	-	-	-	-
MW-19	07/23/2015	-	-	-	-	-	-	-	-	<4	-	-	-	-
MW-19	03/23/2016	-	-	-	-	-	-	-	-	7.1	-	-	-	-
MW-19	07/26/2016	-	-	-	-	-	-	-	-	<5	-	-	-	-
MW-19	08/17/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/25/2017	-	-	-	-	-	-	-	-	2.8 I	-	-	-	-
MW-19	08/17/2017	-	-	-	-	-	-	-	-	3.4 I	-	-	-	-
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-19D	08/17/2017	-	-	-	-	-	-	-	-	<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	-	-	-	-

**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**  
**JULY 2014 THROUGH JULY 2019**

PARAMETER	O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TOTAL TRIHALO- METHANES	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	80 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	07/22/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-3	01/21/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-3	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-3	03/22/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-3	07/26/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-3	01/24/2017	<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	07/20/2017	<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	02/07/2018	<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-7	07/22/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	0.69 I	<2.5	<0.41
MW-7	01/21/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	0.68 I	1.3 I	<2.5	<0.41
MW-7	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	0.96 I	<2.5	<0.41
MW-7	03/23/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	0.77 I	<2.5	<0.46
MW-7	07/26/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	0.8 I	<2.5	<0.46
MW-7	01/24/2017	<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	07/20/2017	<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
<b>Compliance</b>														
MW-10	07/22/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	1.8	3.5	<2.5	<0.41
MW-10	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	1.8	3.1	<2.5	<0.41
MW-10	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	1.1	2.6 I	<2.5	<0.41
MW-10	03/22/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	0.86 I	1.5 I	<2.5	<0.46
MW-10	07/27/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	1.7 I	<2.5	<0.46
MW-10	01/25/2017	<0.53	<0.61	<0.76	<0.72	<0.73	<0.73	<0.89	<0.94	<0.60	<0.71	1.6 I	<0.79	<0.84
MW-10	07/19/2017	<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	02/07/2018	<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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

PARAMETER	O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TOTAL TRIHALO- METHANES	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	80 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
MW-11	07/22/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-11	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-11	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-11	03/24/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-11	07/25/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-11	01/24/2017	<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	07/20/2017	<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-12	07/22/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-12	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-12	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-12	03/24/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-12	07/25/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-12	01/24/2017	<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	07/20/2017	<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-13	07/23/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-13	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-13	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-13	03/23/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-13	07/26/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-13	01/24/2017	<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	07/18/2017	<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-14	07/23/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-14	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-14	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

PARAMETER	O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TOTAL TRIHALO- METHANES	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	80 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
MW-14	03/23/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-14	07/25/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-14	01/23/2017	<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	07/18/2017	<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
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-15	07/23/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-15	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	0.53 I	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-15	07/23/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-15	03/23/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-15	07/25/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-15	01/23/2017	<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	07/18/2017	<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-17	07/23/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-17	01/20/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-17	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-17	03/23/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-17	07/25/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-17	01/23/2017	<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	07/18/2017	<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-20	07/22/2014	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-20	01/21/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-20	07/22/2015	-	<0.98	<0.5	<0.51	<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-20	03/22/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-20	07/26/2016	-	<0.98	<0.5	<0.51	<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-20	01/25/2017	<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

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

PARAMETER		O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TOTAL TRIHALO- METHANES	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	80 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
MW-20	07/19/2017	<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-21	07/22/2014	-	<0.98	<0.5	<0.51		<0.44	<0.14	<0.5	<2.5	<1.5	0.52 I	<0.5	<2.5	<0.41
MW-21	01/20/2015	-	<0.98	<0.5	<0.51		<0.44	<0.14	<0.5	<2.5	<1.5	0.55 I	<0.5	<2.5	<0.41
MW-21	07/23/2015	-	<0.98	<0.5	<0.51		<0.44	<0.14	<0.5	<2.5	<1.5	<0.5	<0.5	<2.5	<0.41
MW-21	03/22/2016	-	<0.98	<0.5	<0.51		<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-21	07/27/2016	-	<0.98	<0.5	<0.51		<0.67	<0.27	<0.61	<2.5	<1.5	<0.71	<0.5	<2.5	<0.46
MW-21	01/25/2017	<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	07/19/2017	<0.53	<0.61	<0.76	<0.72		<0.73	<0.73	<0.89	<0.94	<0.60	0.82 I	<1.3	<0.79	<0.84
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-22	08/17/2017	-	-	-	-		-	-	-	-	-	<0.71	-	-	-
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
<b>Assessment</b>															
MW-18	07/22/2014	-	-	-	-		-	-	-	-	-	<0.5	-	-	-
MW-18	01/21/2015	-	<0.98	<0.5	<0.51		<0.67	<0.27	<0.61	<2.5	<1.5	<0.5	<0.5	<2.5	<0.46
MW-18	07/23/2015	-	-	-	-		-	-	-	-	-	<0.5	-	-	-
MW-18	03/23/2016	-	-	-	-		-	-	-	-	-	<0.71	-	-	-
MW-18	07/27/2016	-	-	-	-		-	-	-	-	-	<0.71	-	-	-
MW-18	01/25/2017	-	-	-	-		-	-	-	-	-	<0.71	-	-	-
MW-18	07/19/2017	-	-	-	-		-	-	-	-	-	<0.71	-	-	-
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-18D	08/17/2017	-	-	-	-		-	-	-	-	-	<0.71	-	-	-
MW-18D	02/08/2018	-	-	-	-		-	-	-	-	-	<0.71	-	-	-

**ALL DATA**  
**CITRUS COUNTY CENTRAL LANDFILL**  
**JULY 2014 THROUGH JULY 2019**

PARAMETER	O-XYLENES	STYRENE	TETRA- CHLORO- ETHENE	TOLUENE	TOTAL TRIHALO- METHANES	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	80 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
MW-18D	07/26/2018	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18D	02/18/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-18D	07/29/2019	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
MW-19	07/22/2014	-	-	-	-	-	-	-	-	-	0.65 I	-	-	-
MW-19	01/21/2015	-	-	-	-	-	-	-	-	-	1.2	-	-	-
MW-19	02/17/2015	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	07/23/2015	-	-	-	-	-	-	-	-	-	<0.5	-	-	-
MW-19	03/23/2016	-	-	-	-	-	-	-	-	-	1.9	-	-	-
MW-19	07/26/2016	-	-	-	-	-	-	-	-	-	2.2	-	-	-
MW-19	08/17/2016	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	01/25/2017	-	-	-	-	-	-	-	-	-	2.0	-	-	-
MW-19	08/17/2017	-	-	-	-	-	-	-	-	-	2.1	-	-	-
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-19D	08/17/2017	-	-	-	-	-	-	-	-	-	<0.71	-	-	-
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	-	-	-

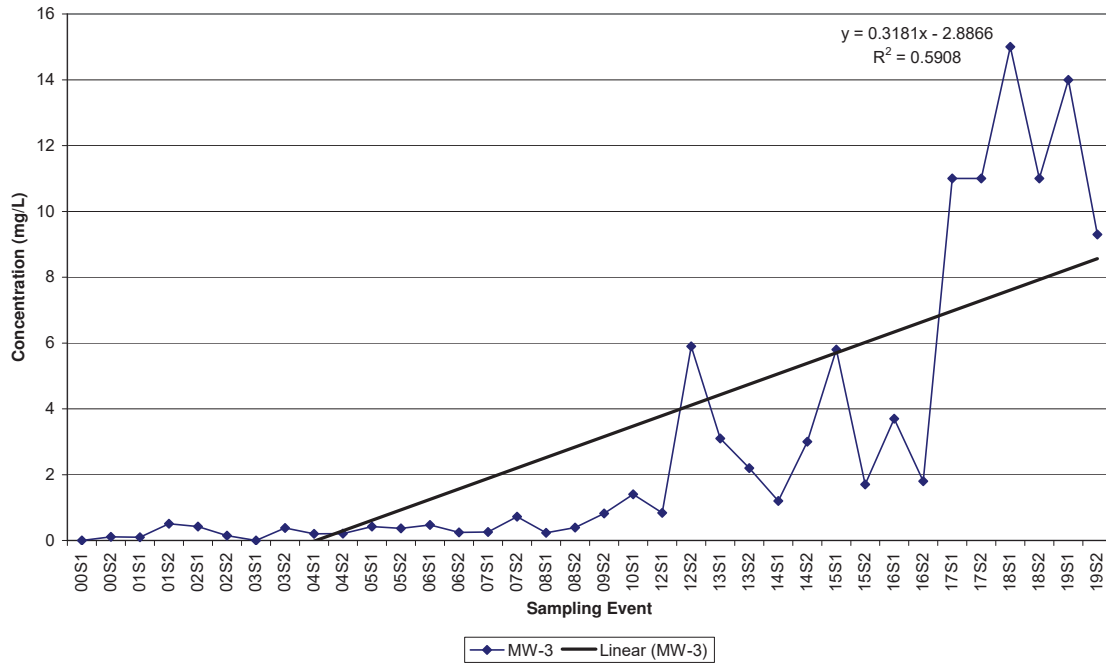
**LEGEND**

- \* =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

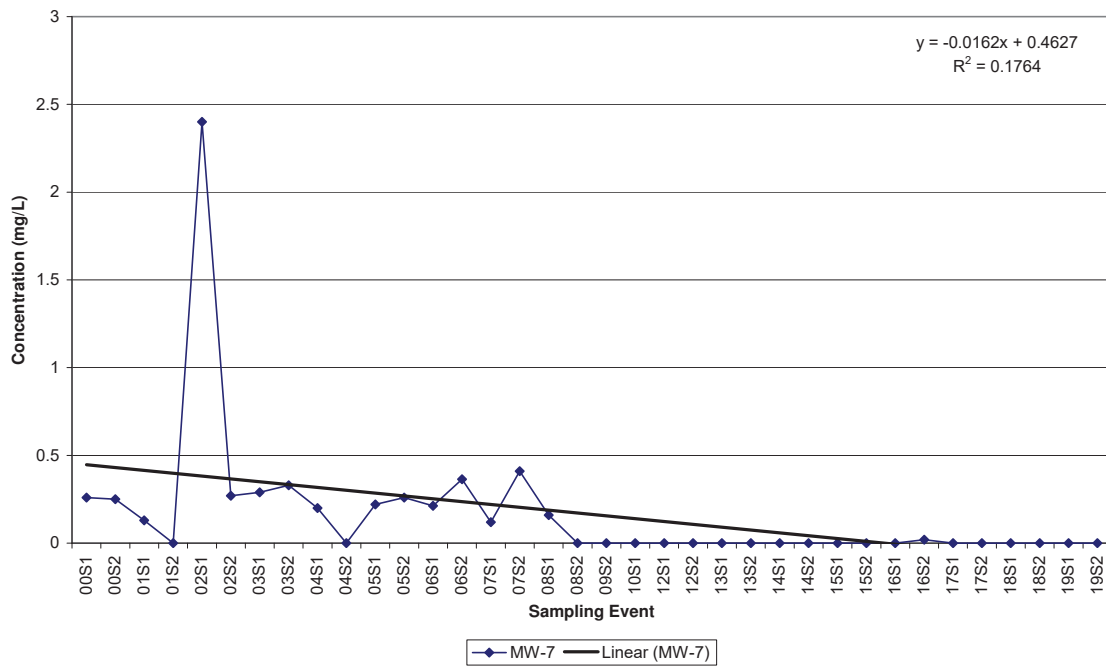
**ATTACHMENT 8**  
**LONG-TERM TREND GRAPHS**

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

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

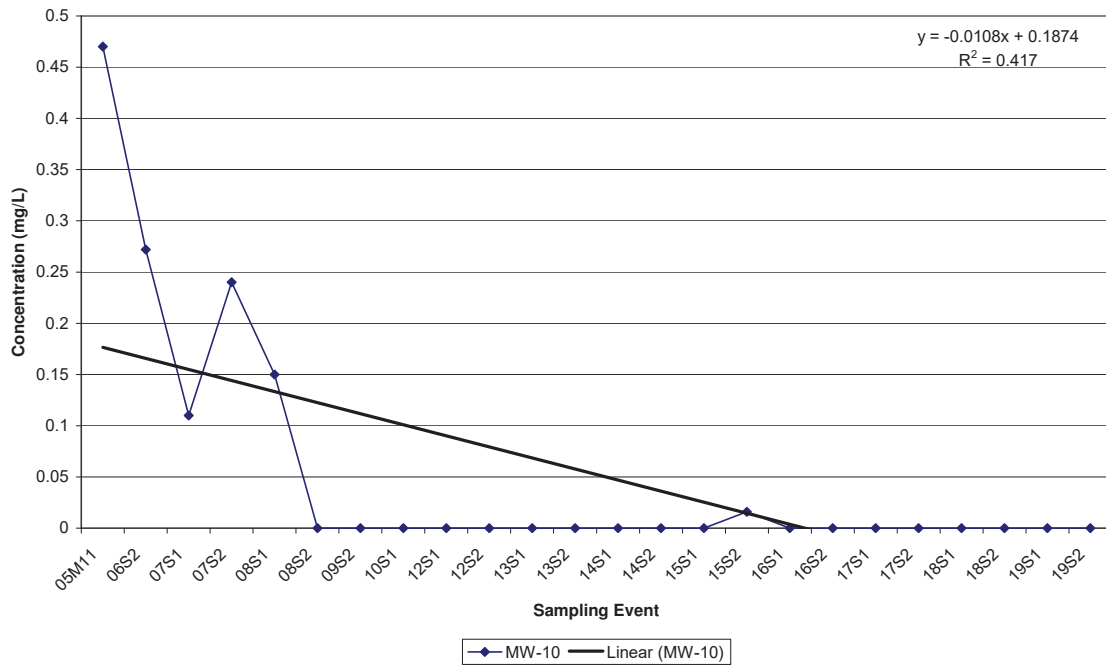


**Citrus County Central Landfill  
Historic Nitrate as N in MW-7**

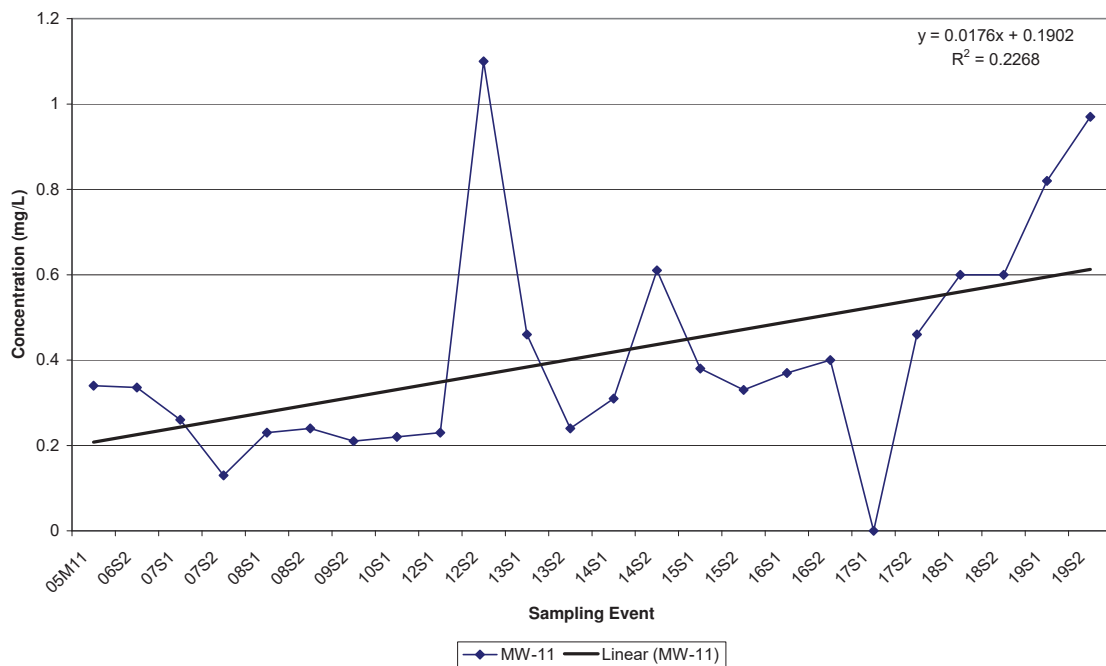




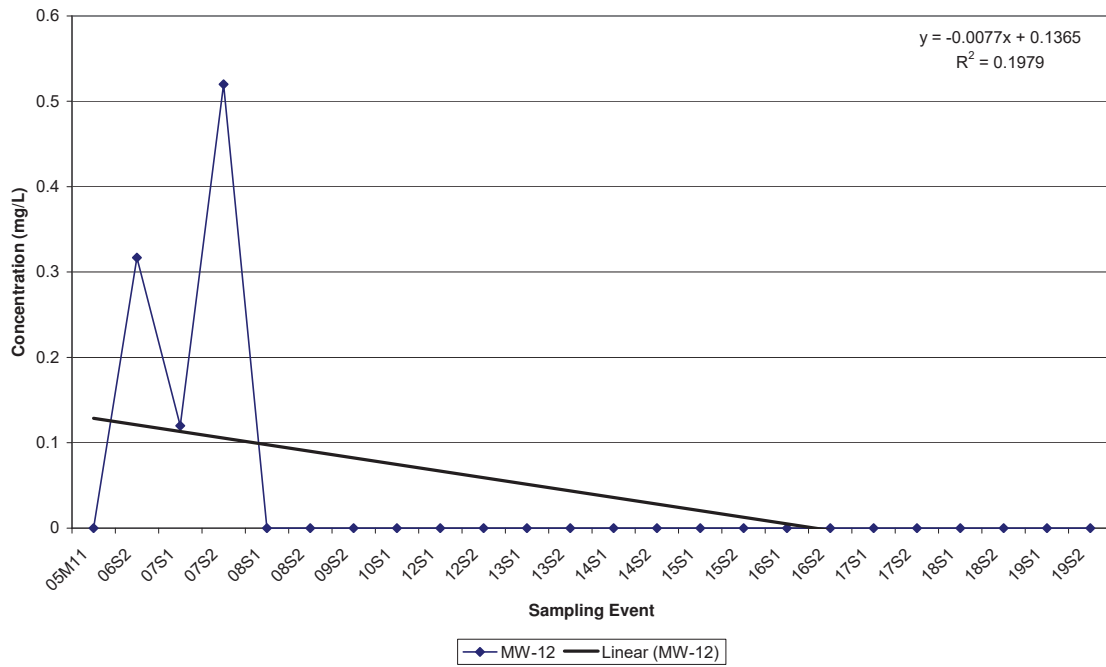
**Citrus County Central Landfill  
Historic Nitrate as N in MW-10**



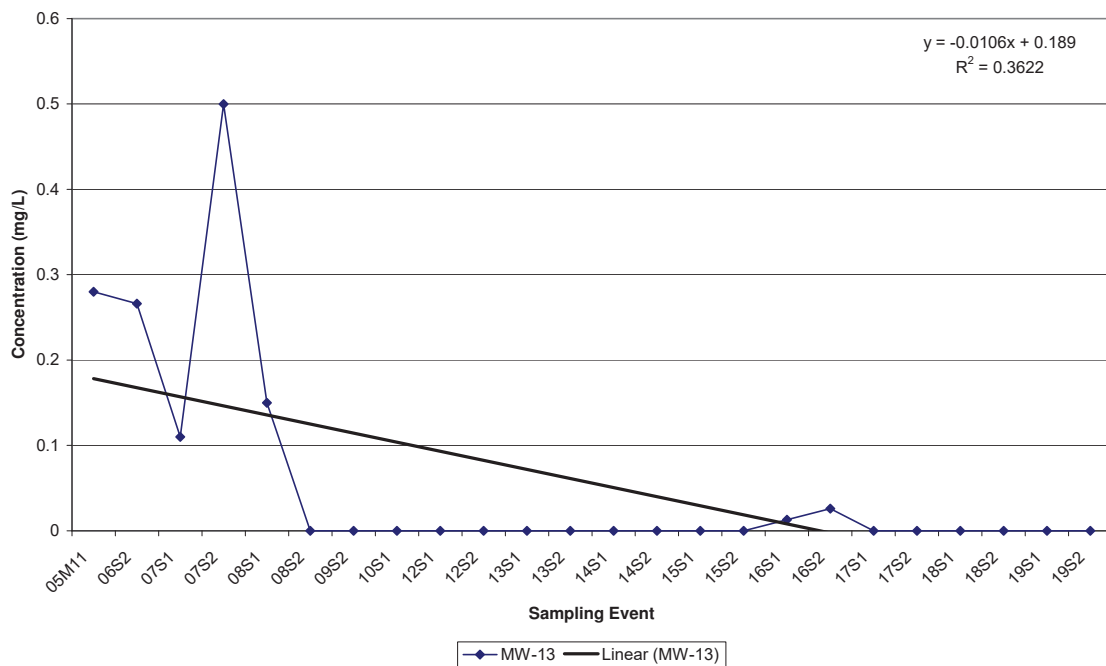
**Citrus County Central Landfill  
Historic Nitrate as N in MW-11**



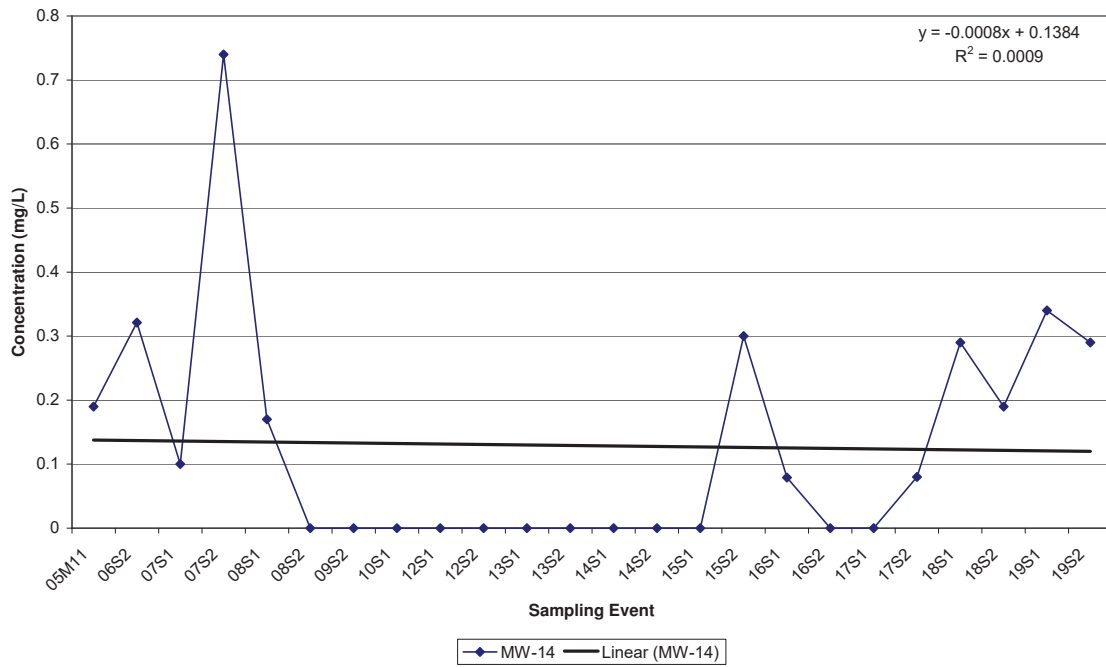
**Citrus County Central Landfill  
Historic Nitrate as N in MW-12**



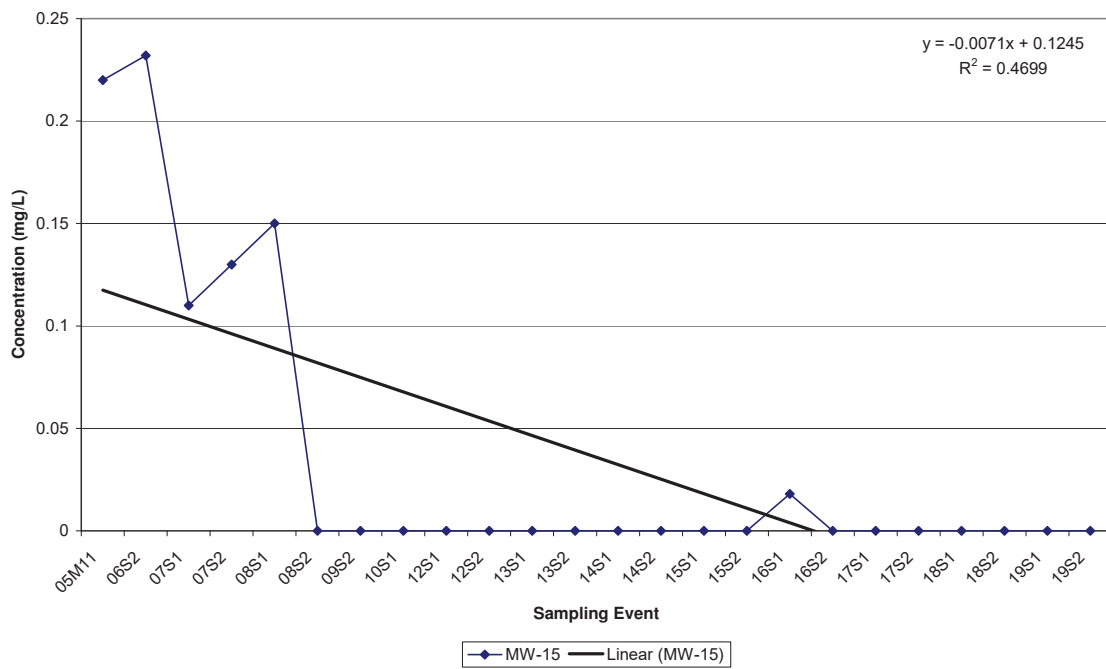
**Citrus County Central Landfill  
Historic Nitrate as N in MW-13**



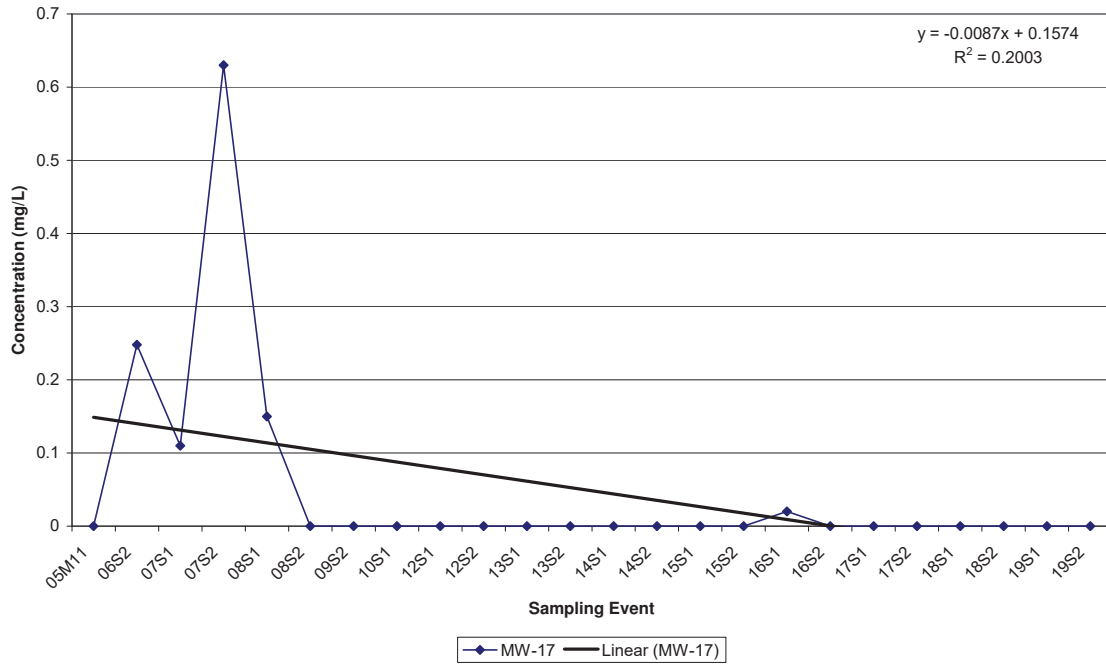
Citrus County Central Landfill  
Historic Nitrate as N in MW-14



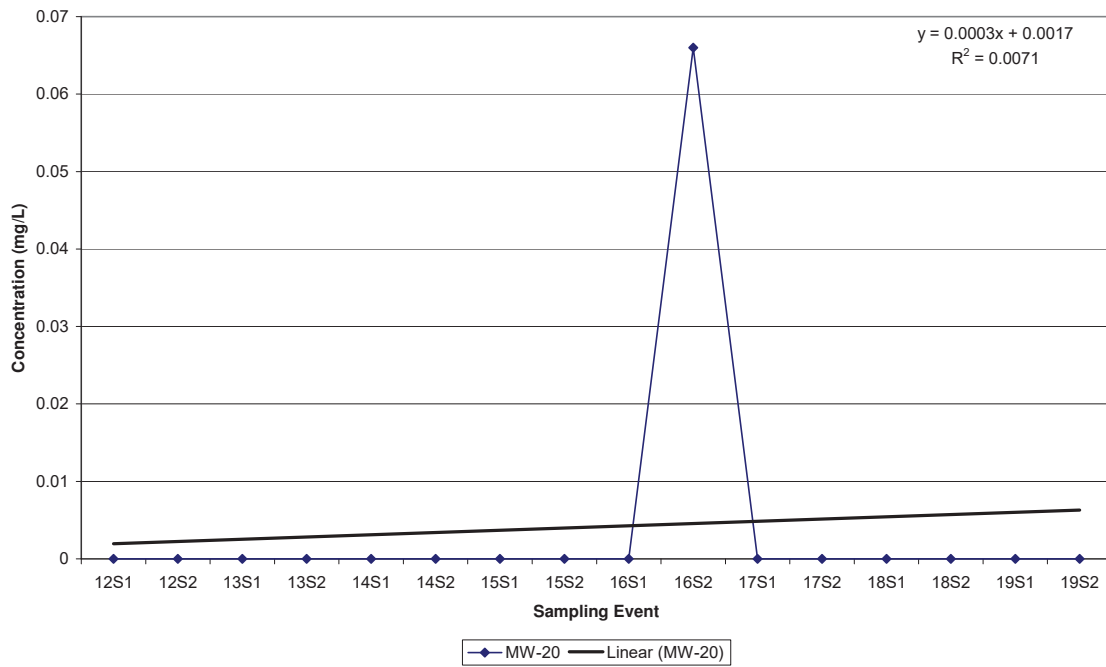
Citrus County Central Landfill  
Historic Nitrate as N in MW-15



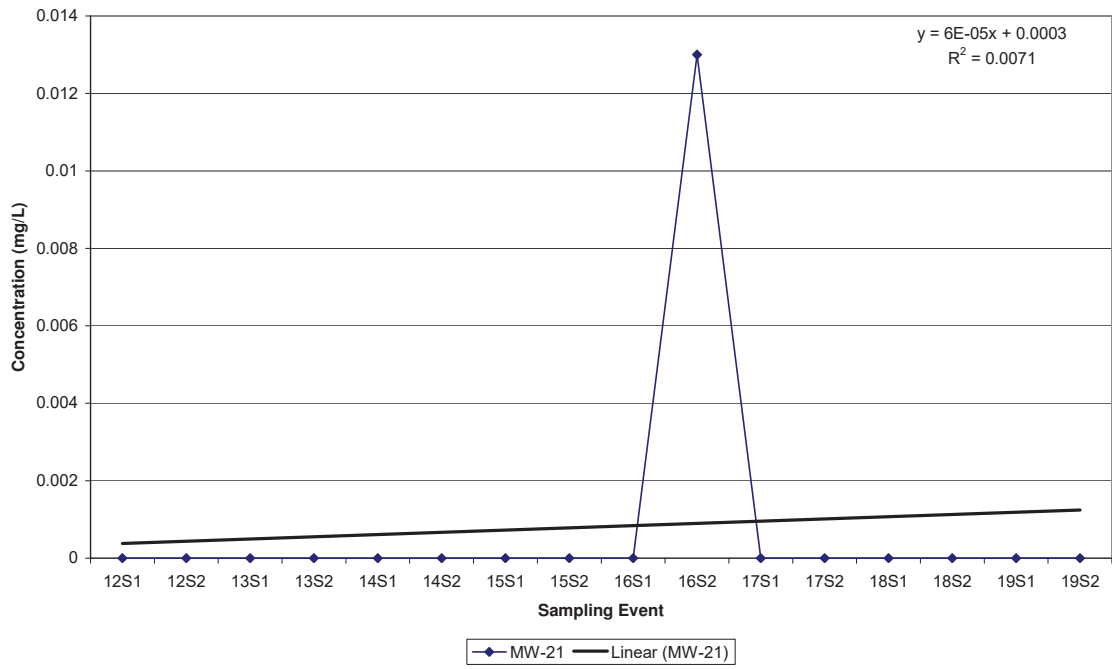
Citrus County Central Landfill  
Historic Nitrate as N in MW-17



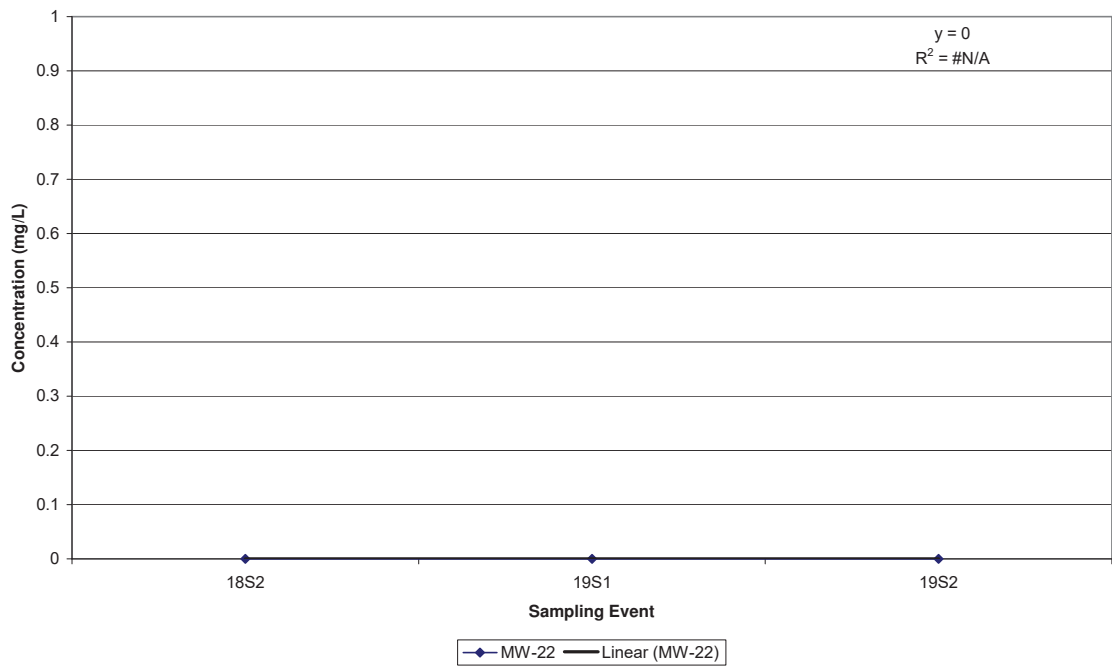
Citrus County Central Landfill  
Historic Nitrate (N) in MW-20



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

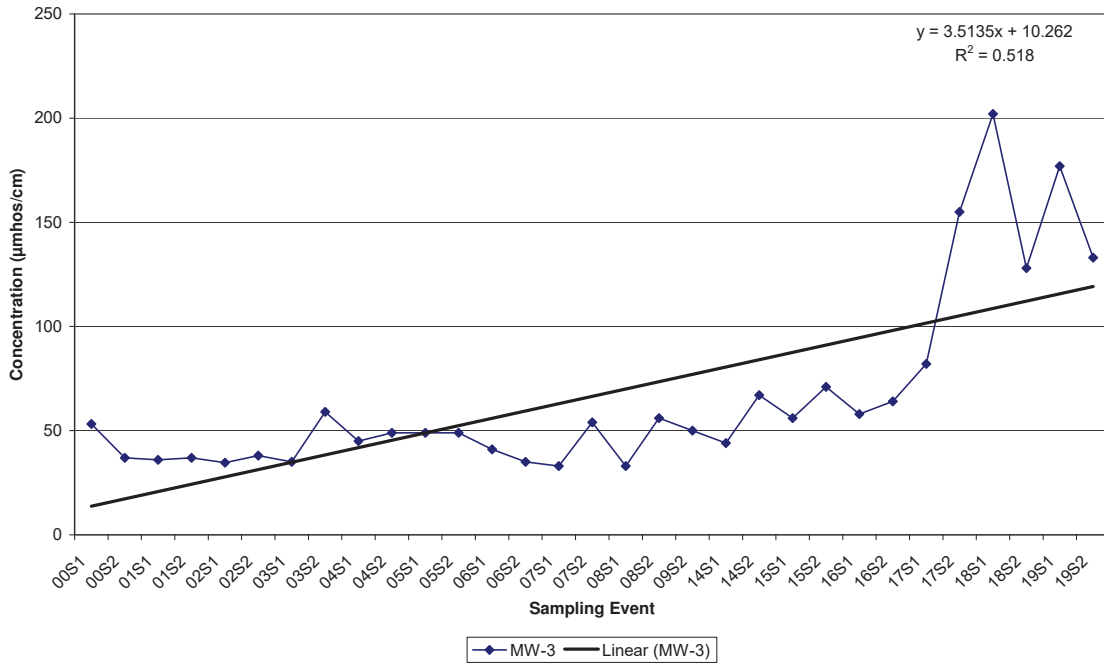


Citrus County Central Landfill  
Historic Nitrate as N in MW-22

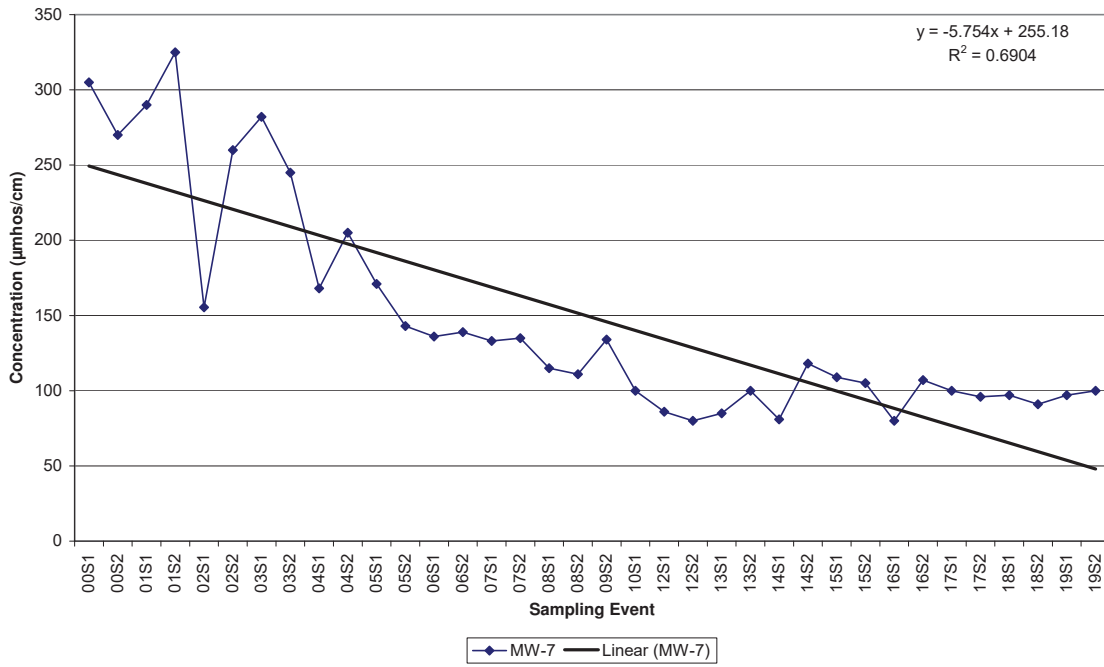


**Citrus County Central Landfill  
Historical Conductivity Data**

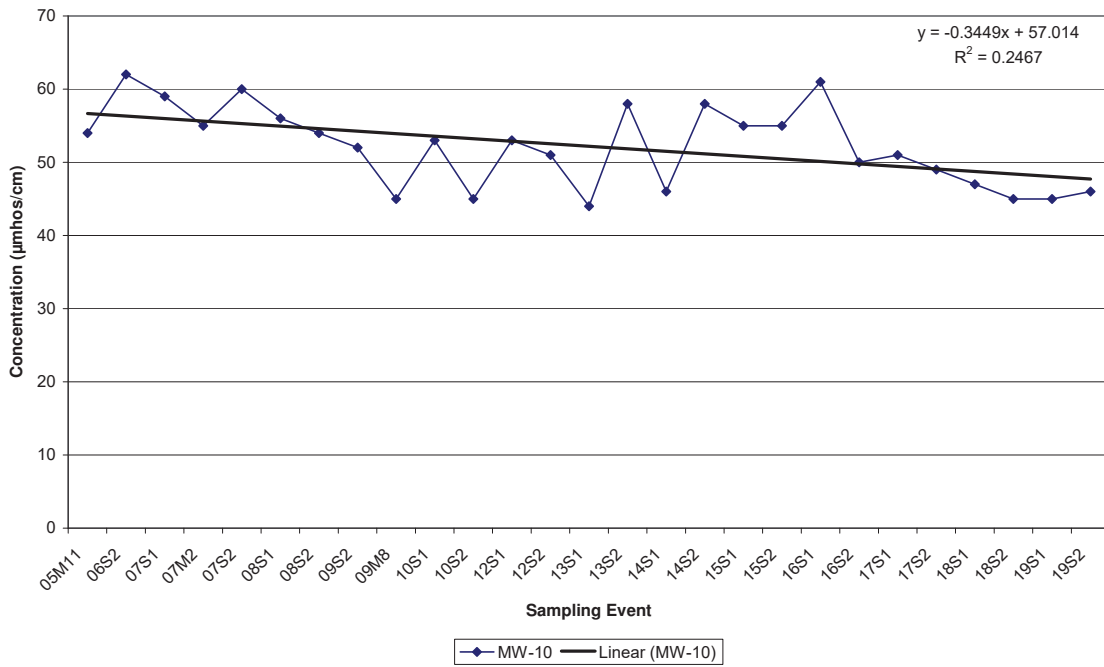
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-3**



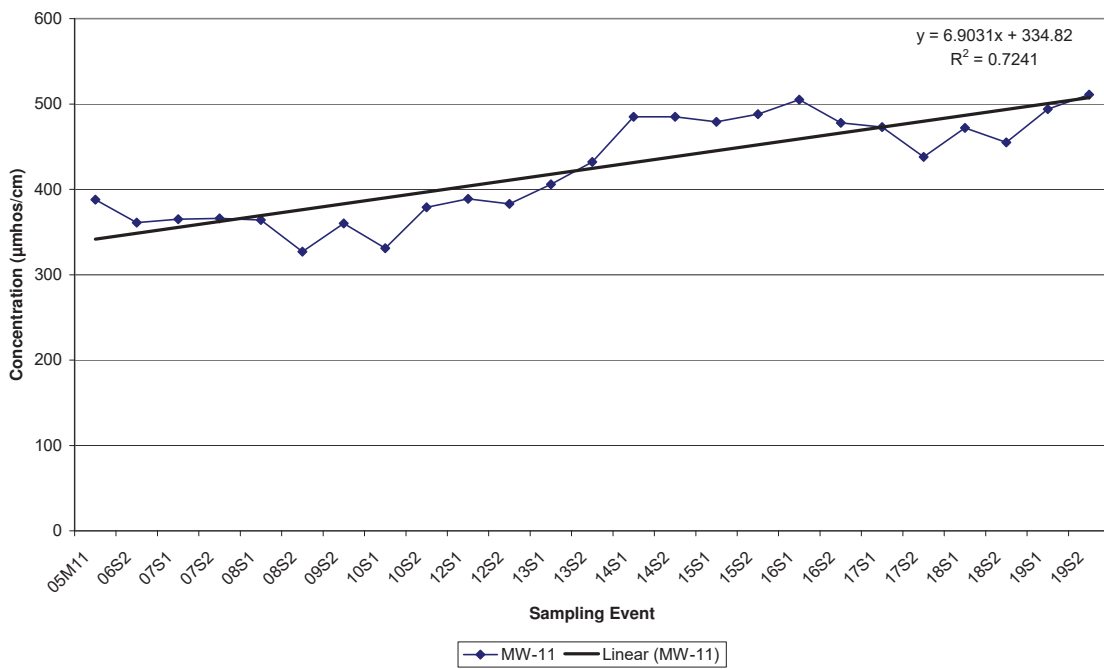
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-7**



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

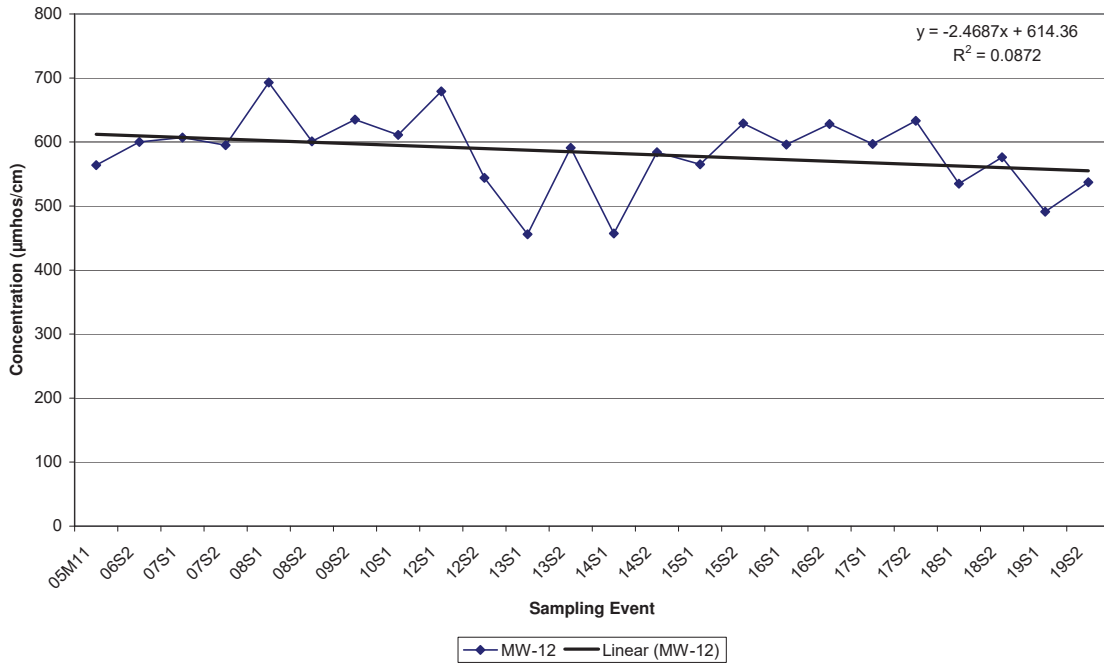


**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-11**

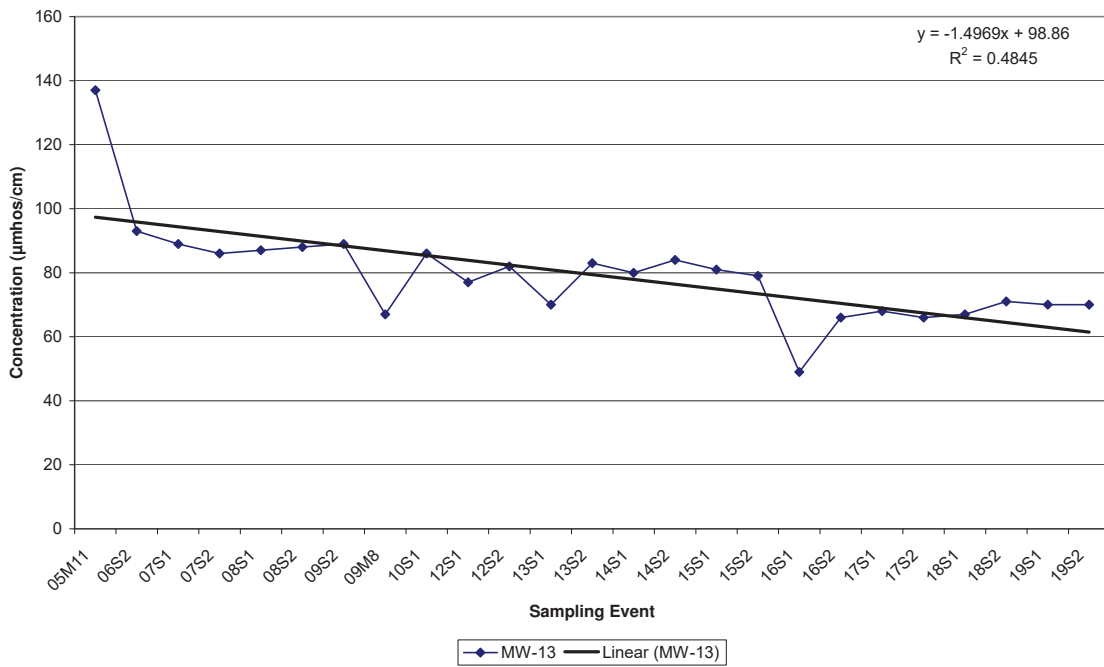




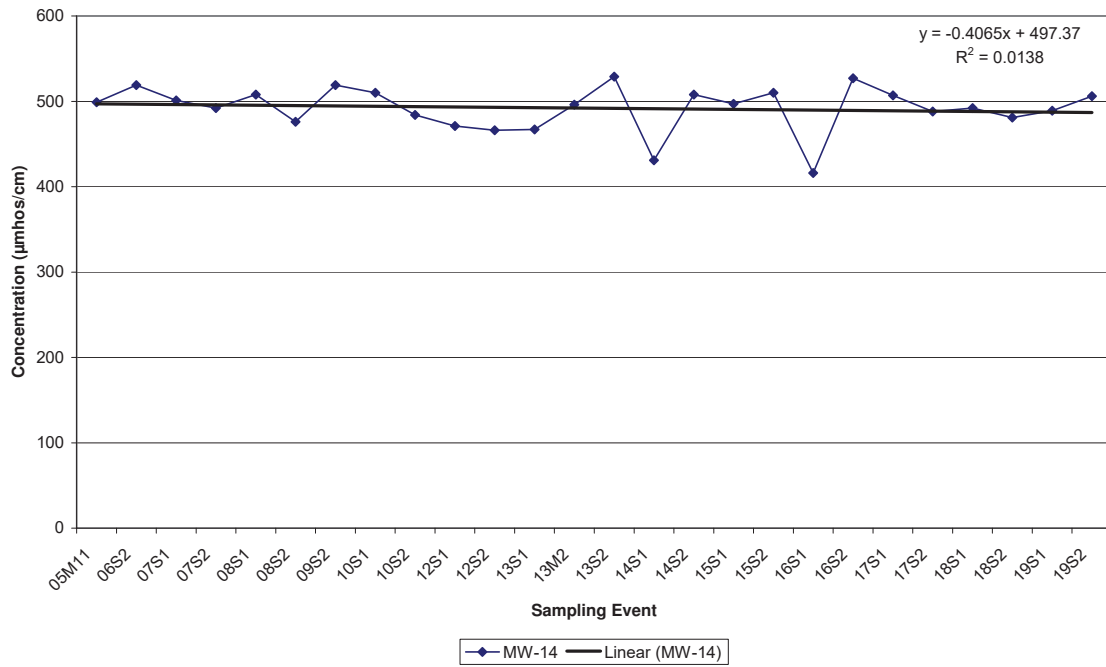
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-12**



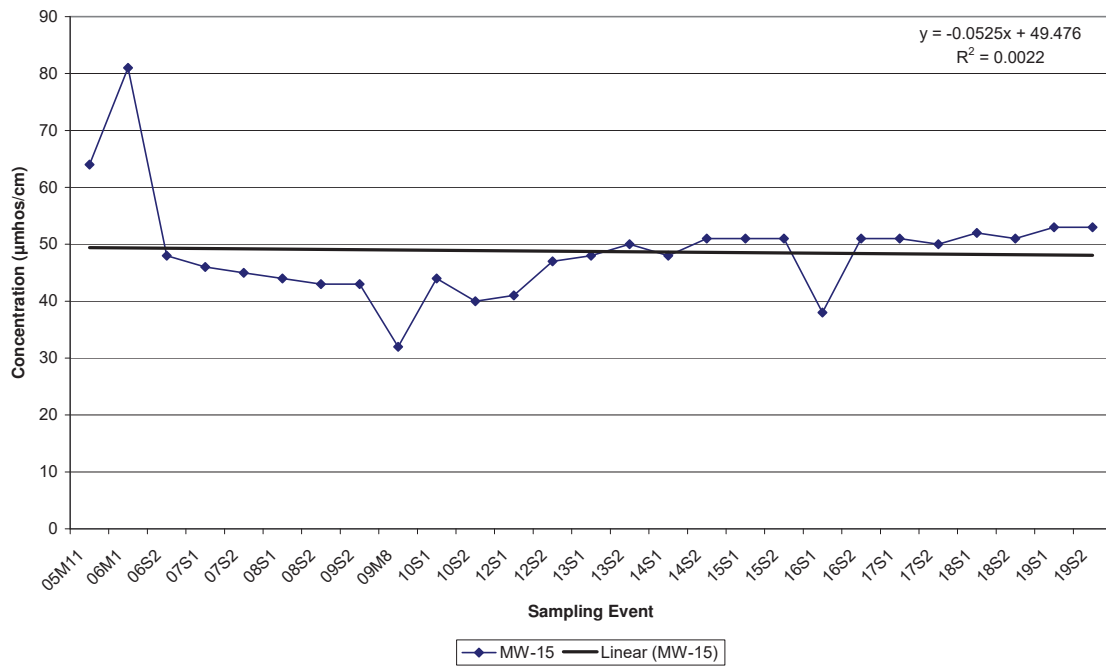
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-13**



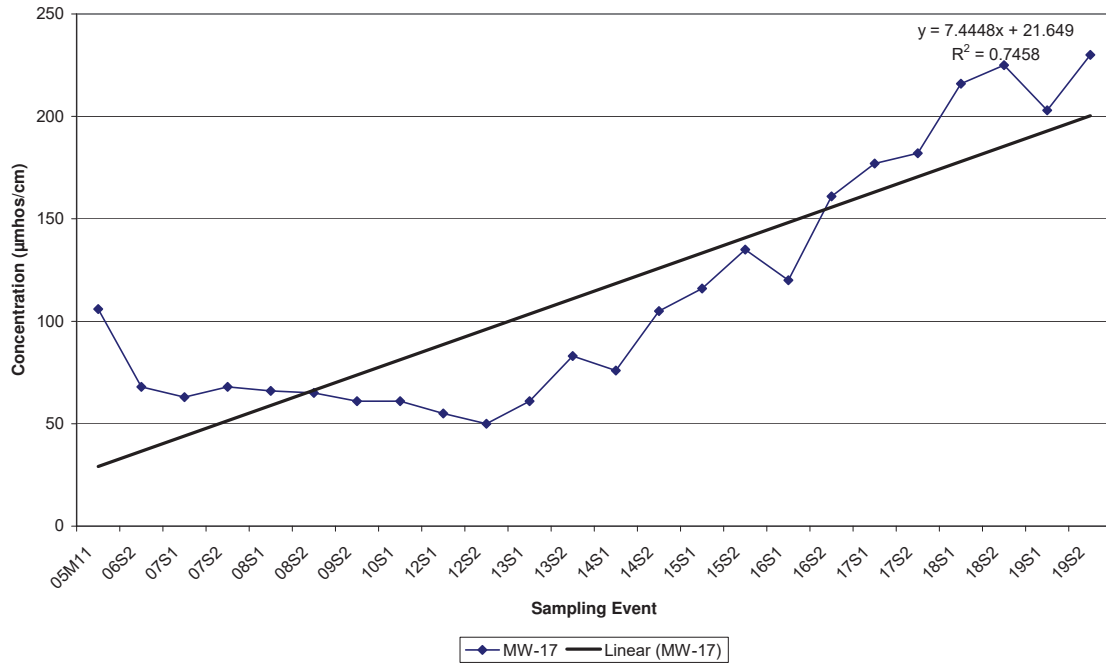
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-14**



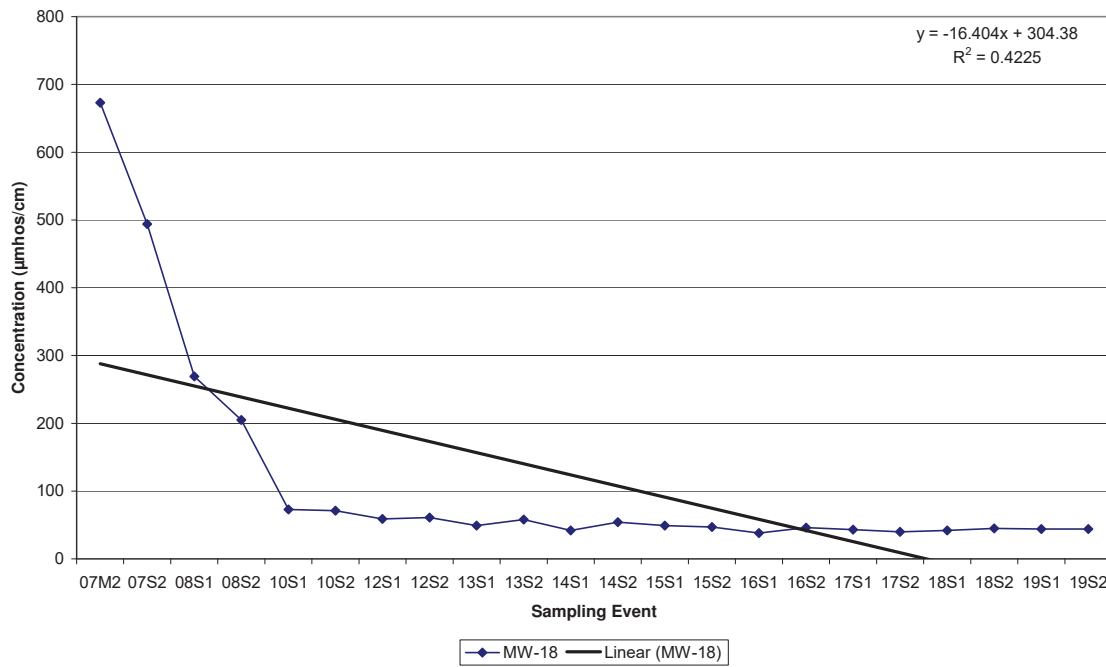
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-15**



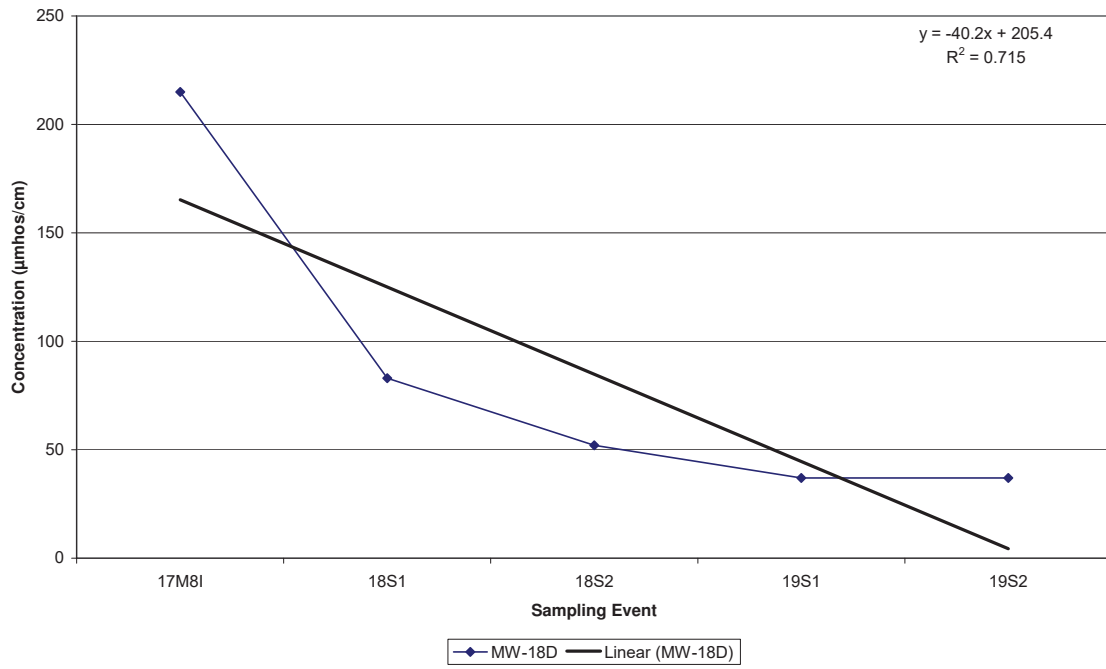
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-17**



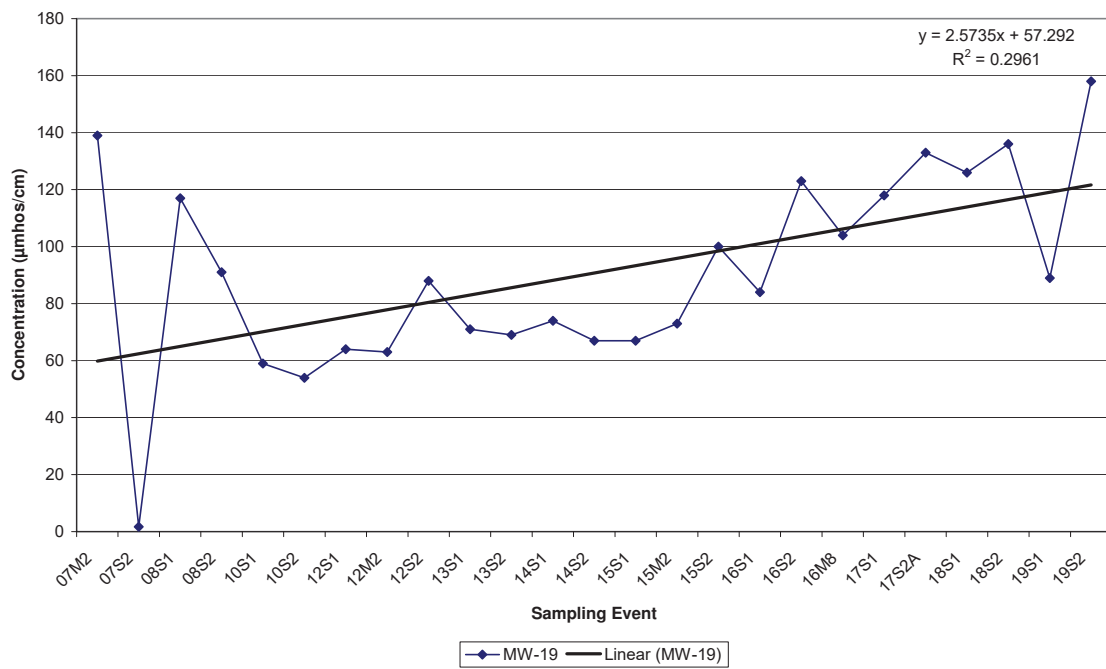
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-18**



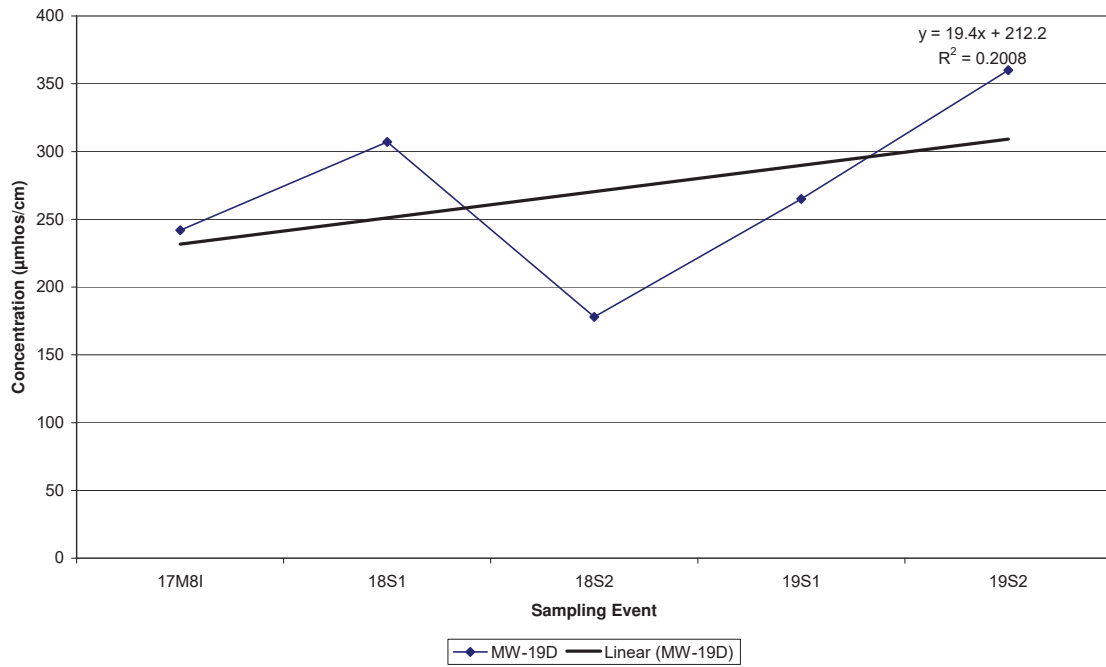
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-18D**



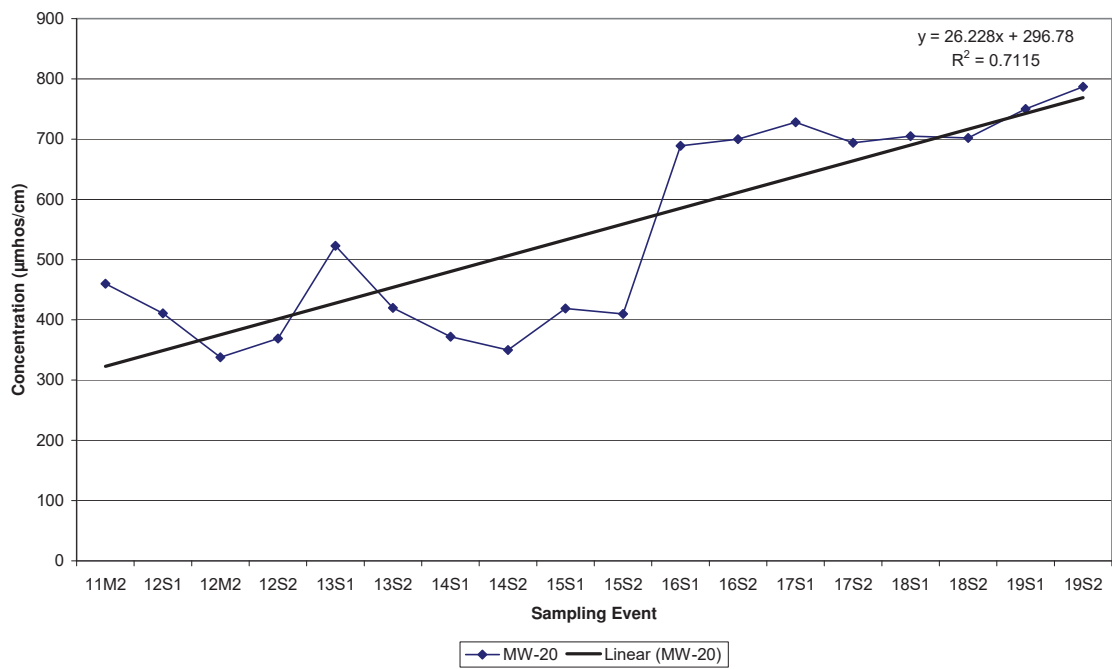
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-19**



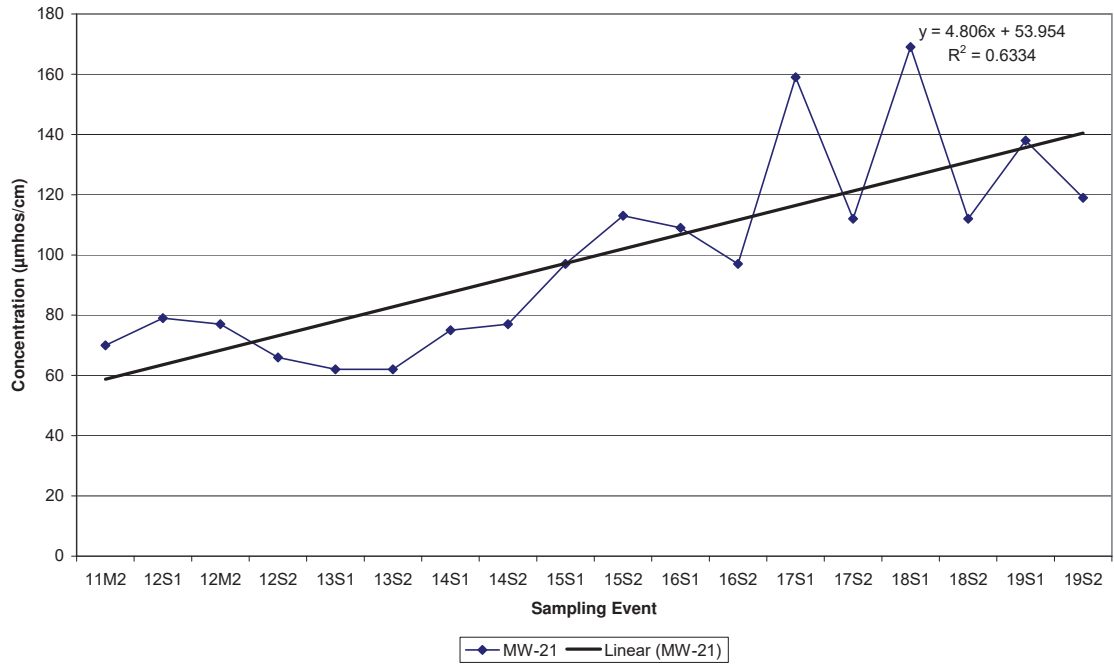
**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-19D**



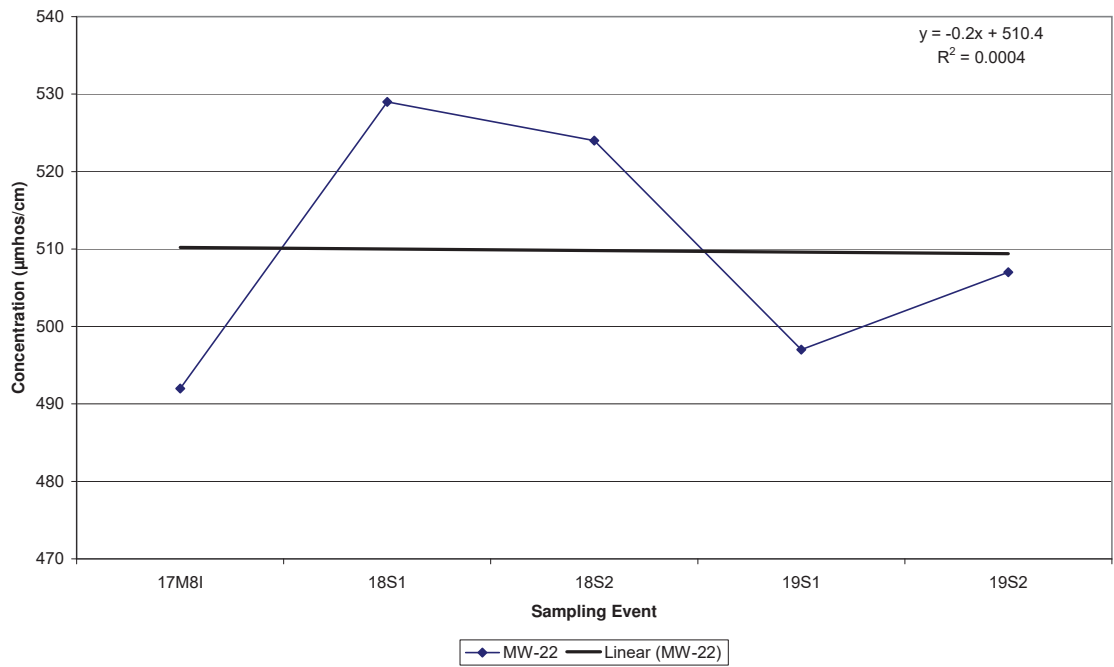
**Citrus County Central Landfill  
Historic Specific Conductance in MW-20**



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

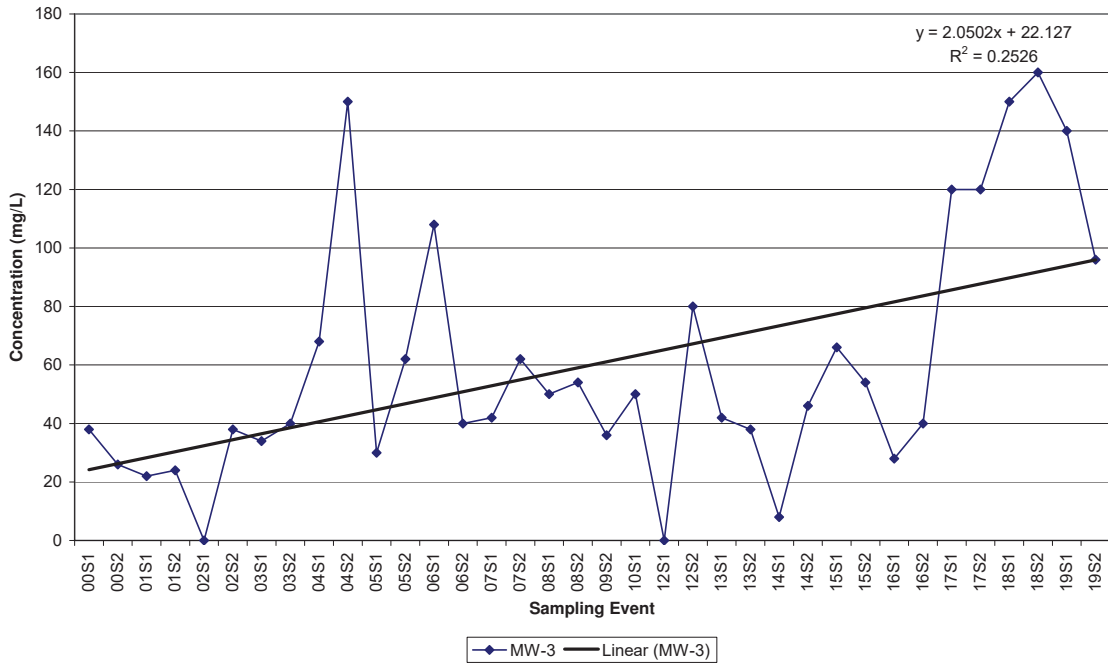


**Citrus County Central Landfill  
Historic Specific Conductance (EC) in MW-22**

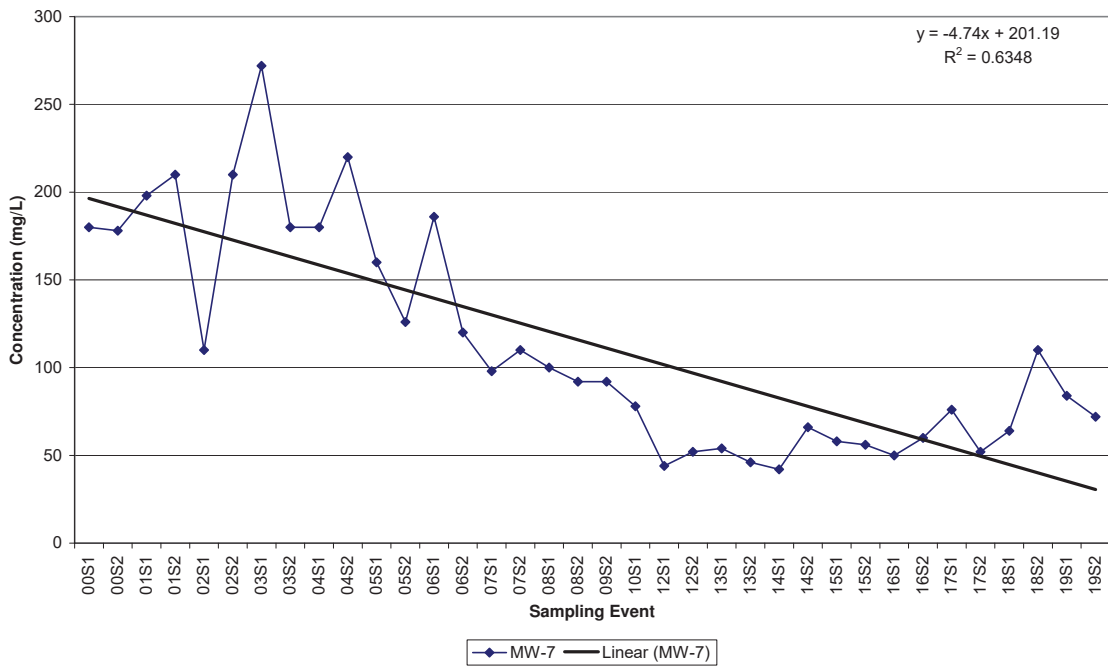


**Citrus County Central Landfill  
Historical Total Dissolved Solids Data**

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

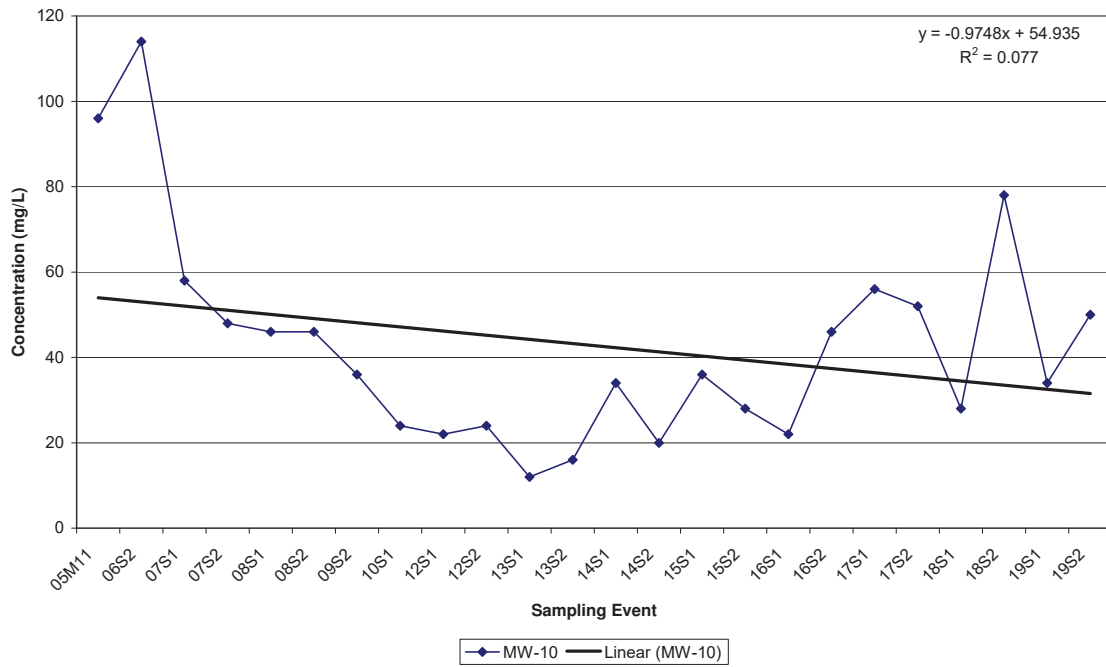


**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-7**

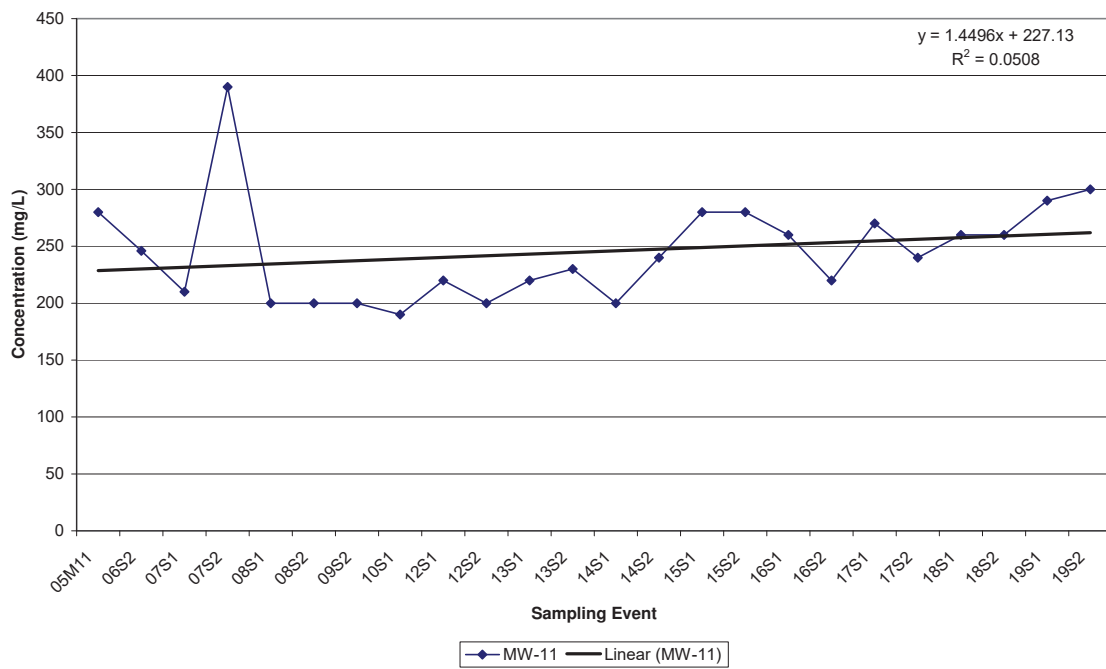




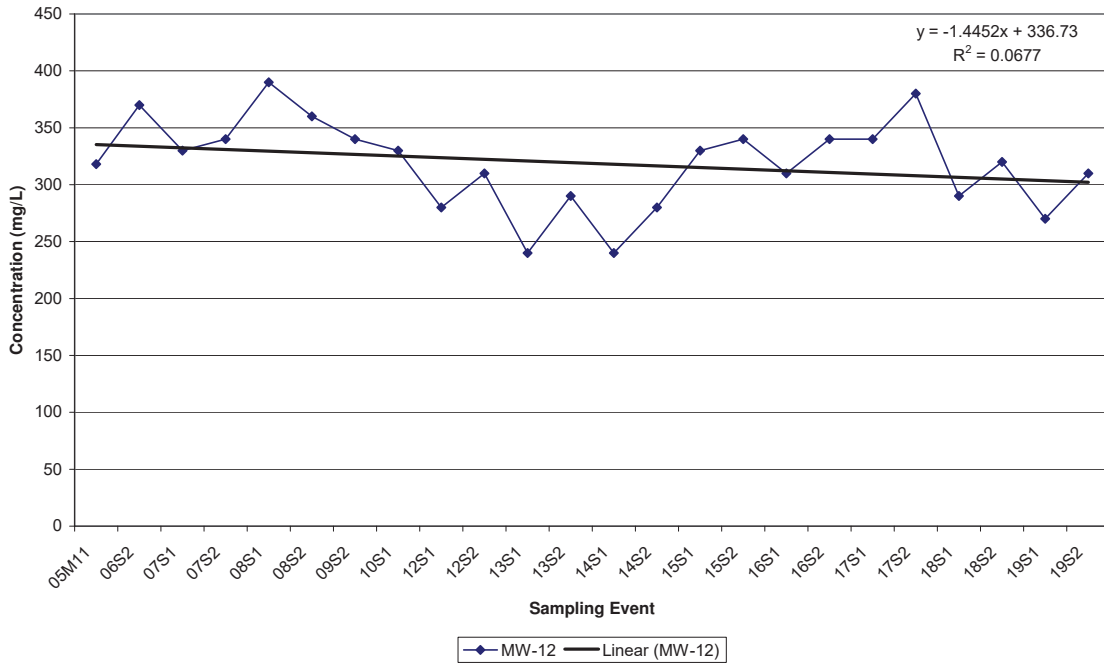
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-10**



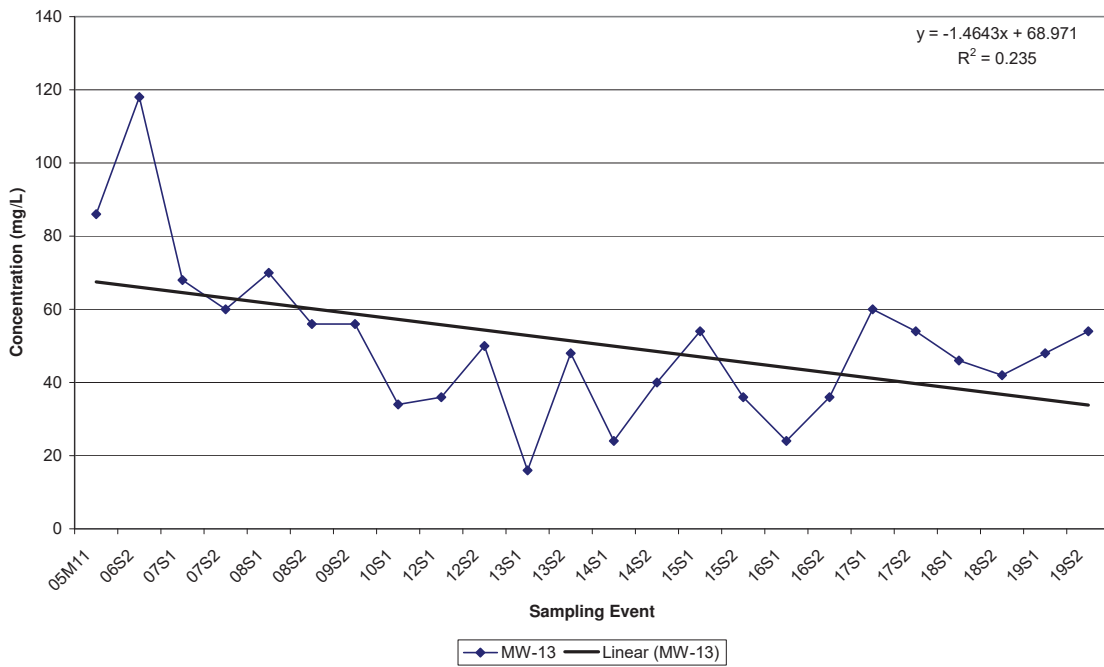
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-11**



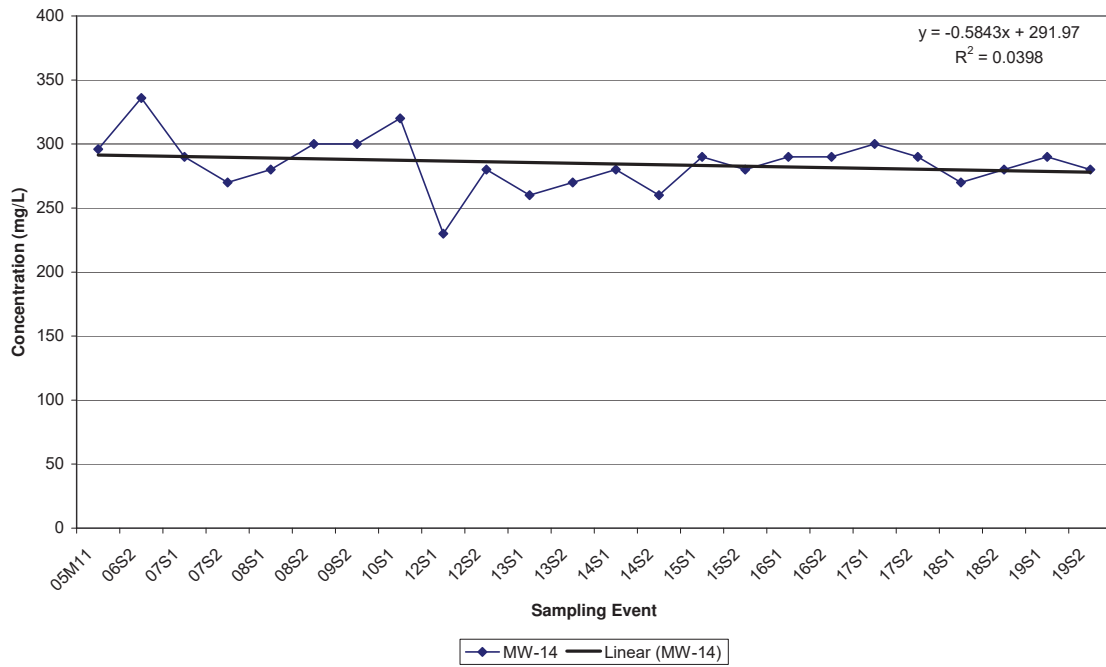
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-12**



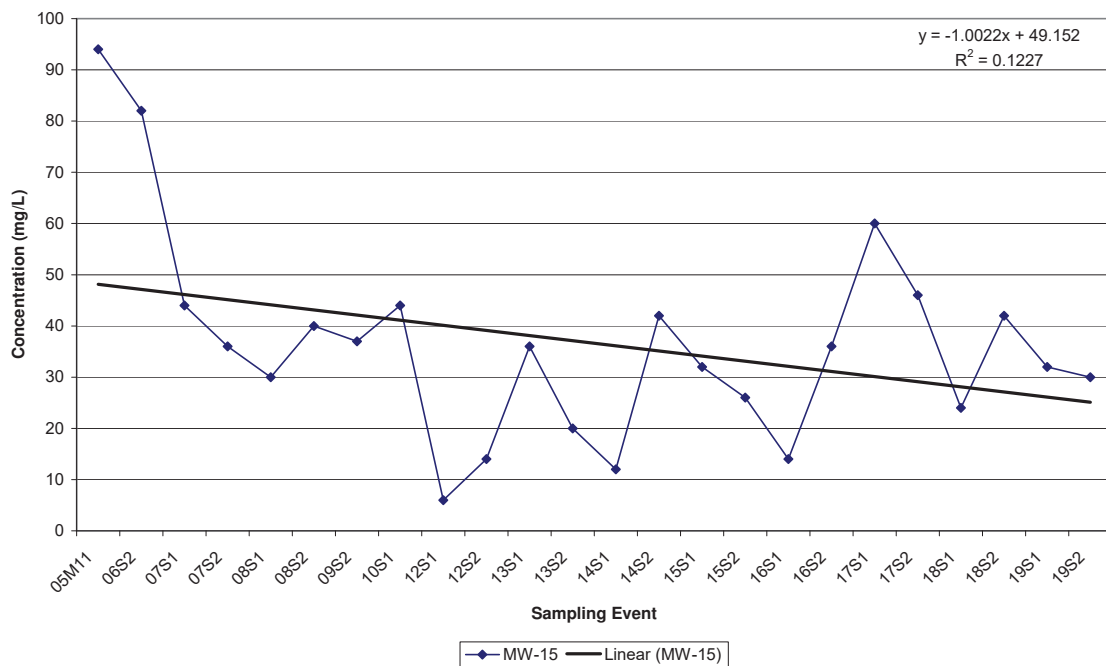
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-13**



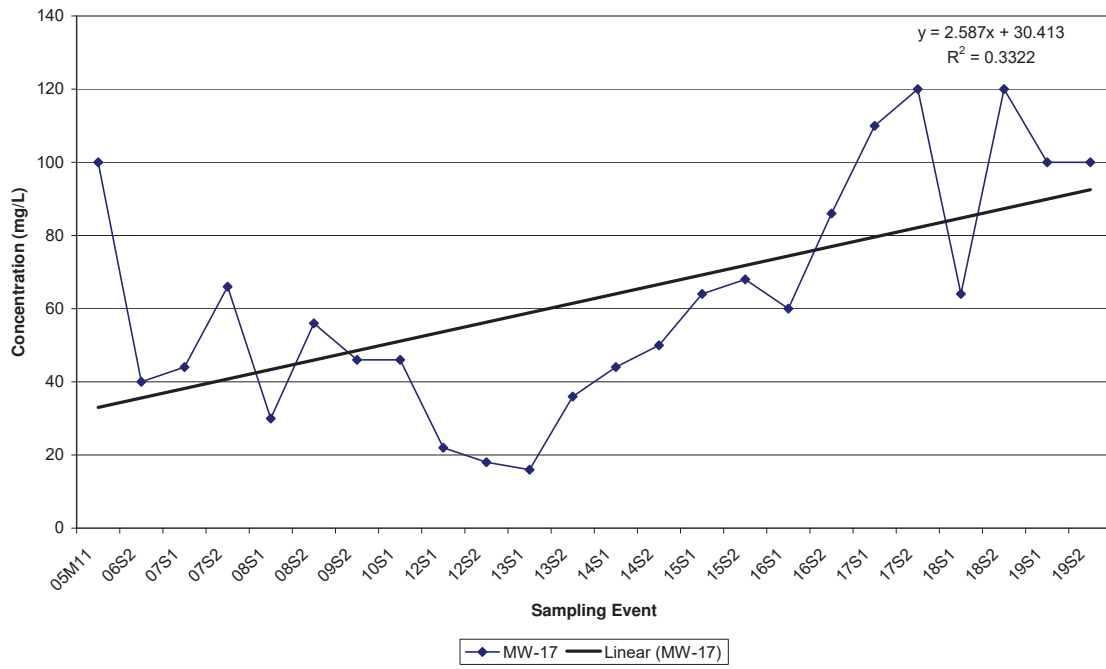
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-14**



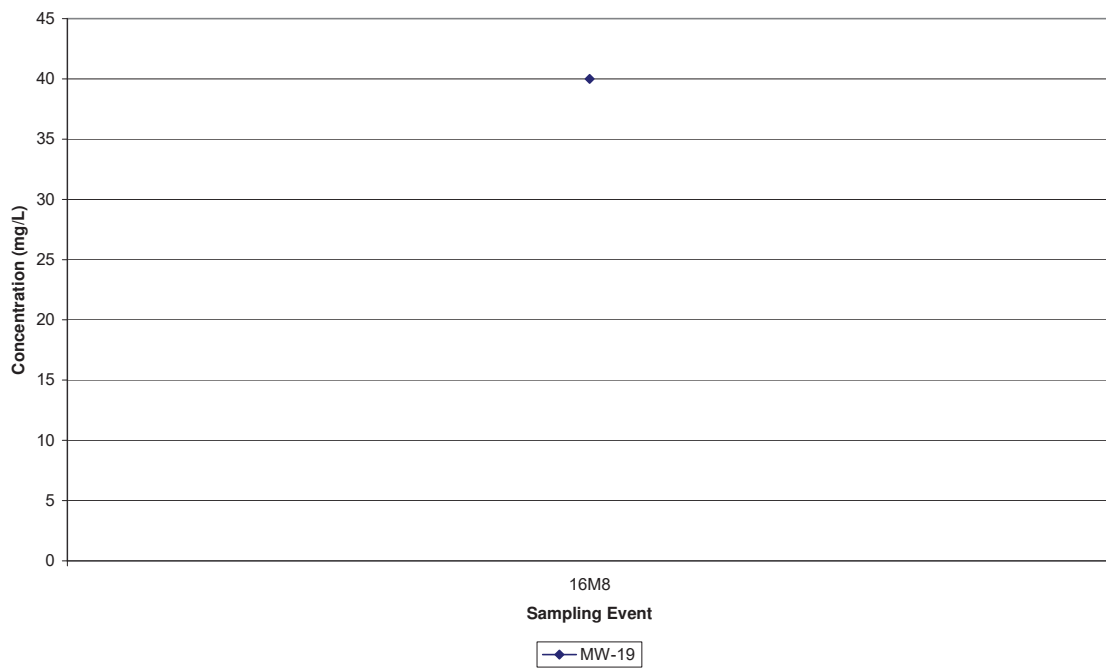
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-15**



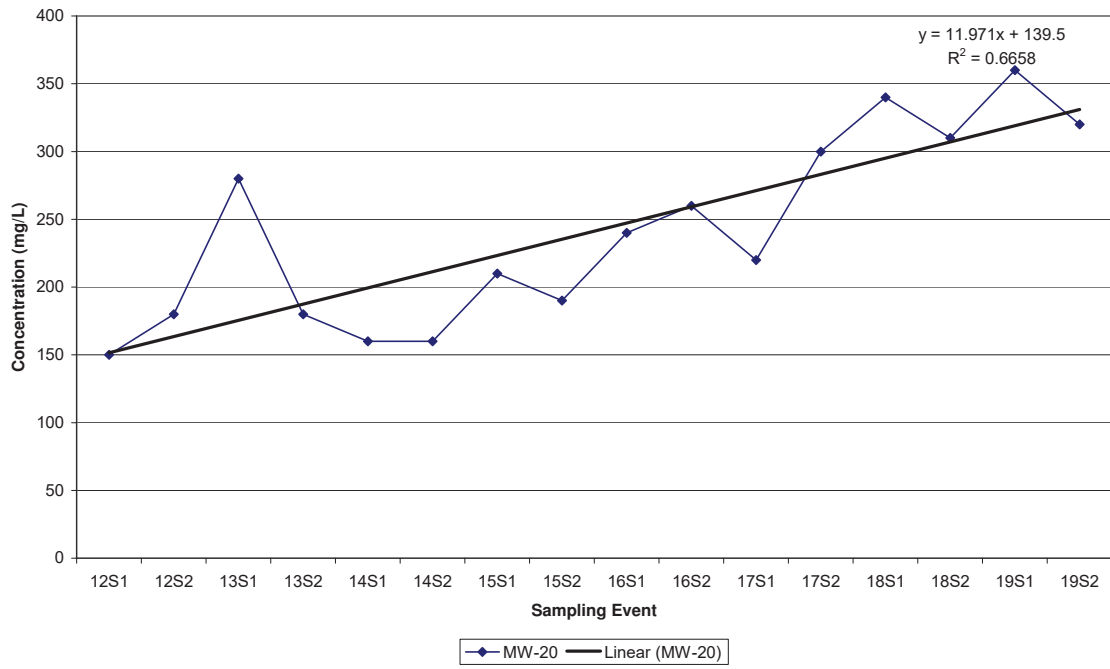
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-17**



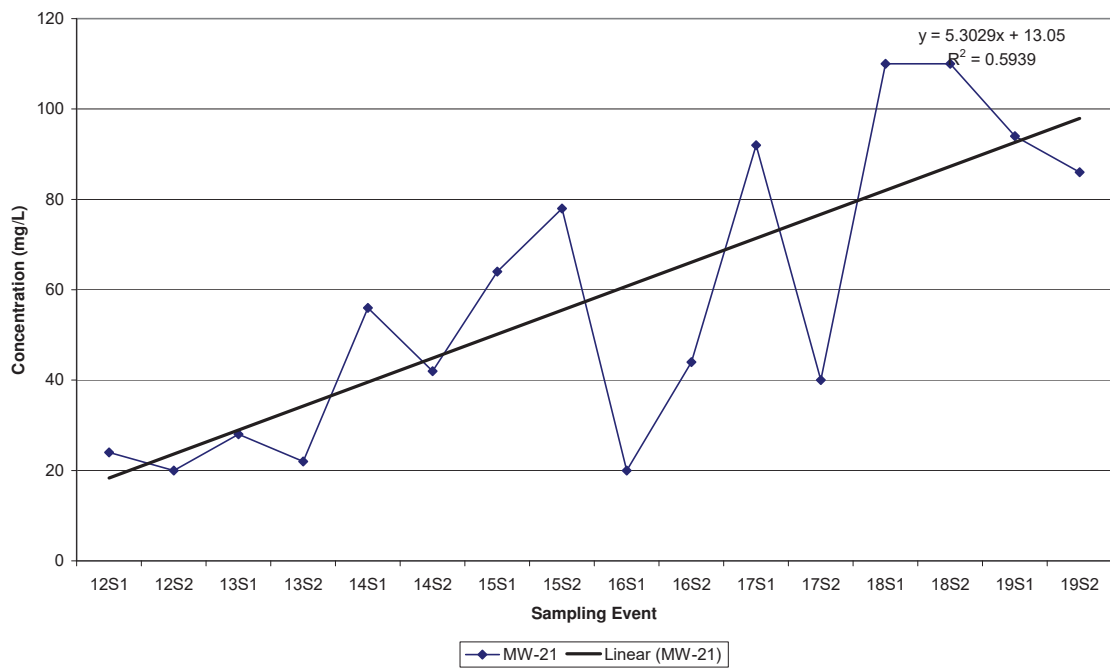
**Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-19**



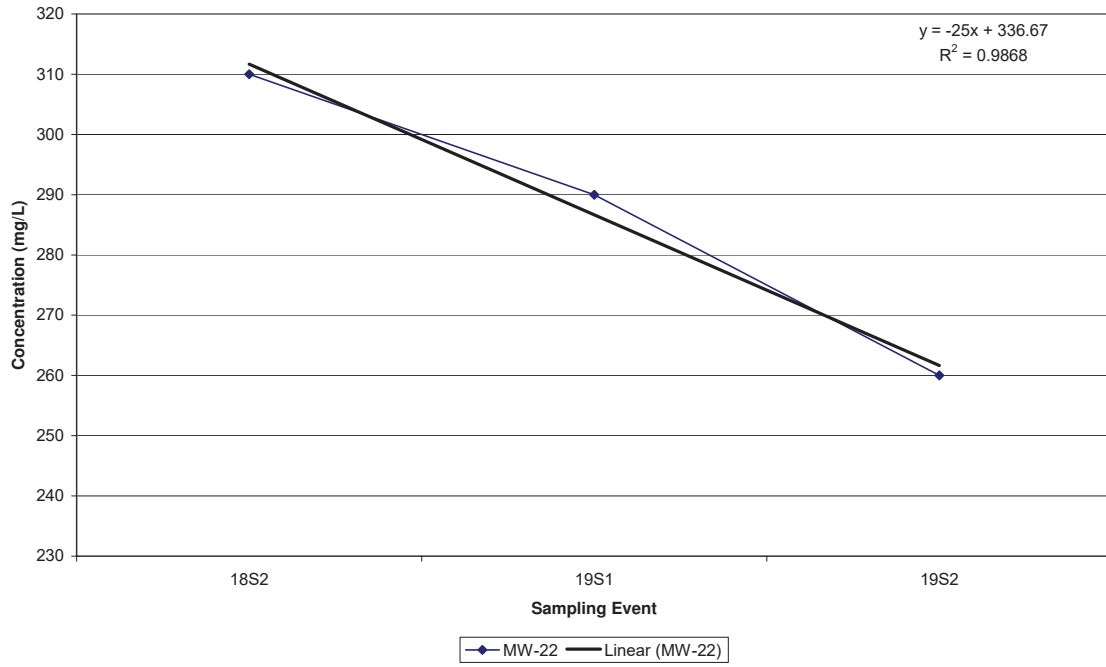
Citrus County Central Landfill  
Historic Residues- Filterable (TDS) in MW-20



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

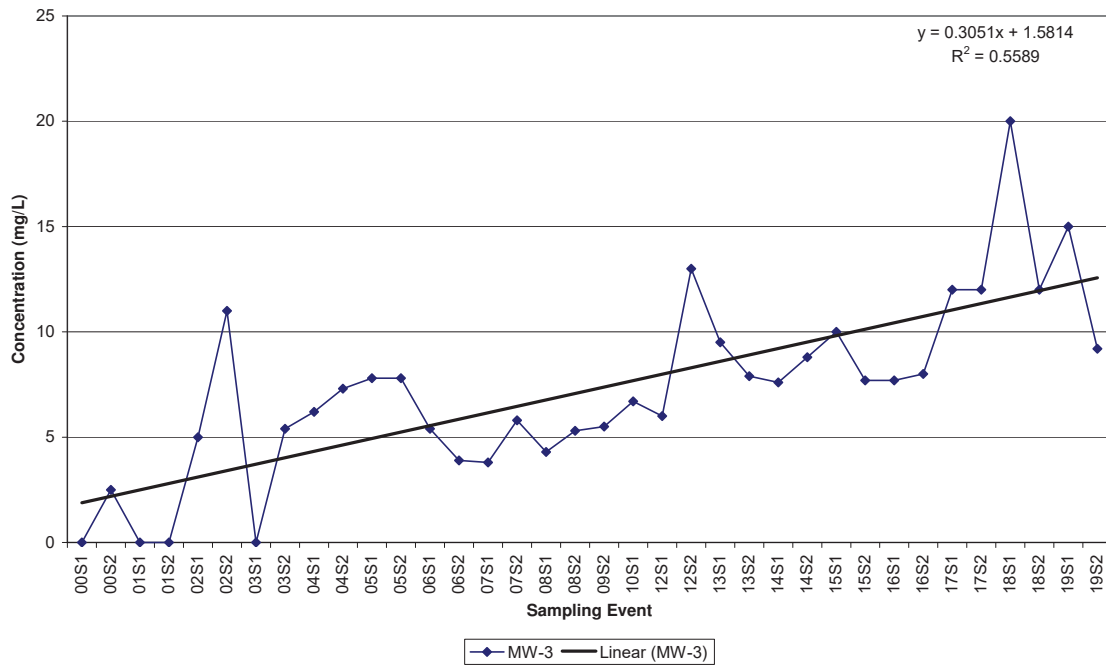


Citrus County Central Landfill  
Historic Total Dissolved Solids in MW-22

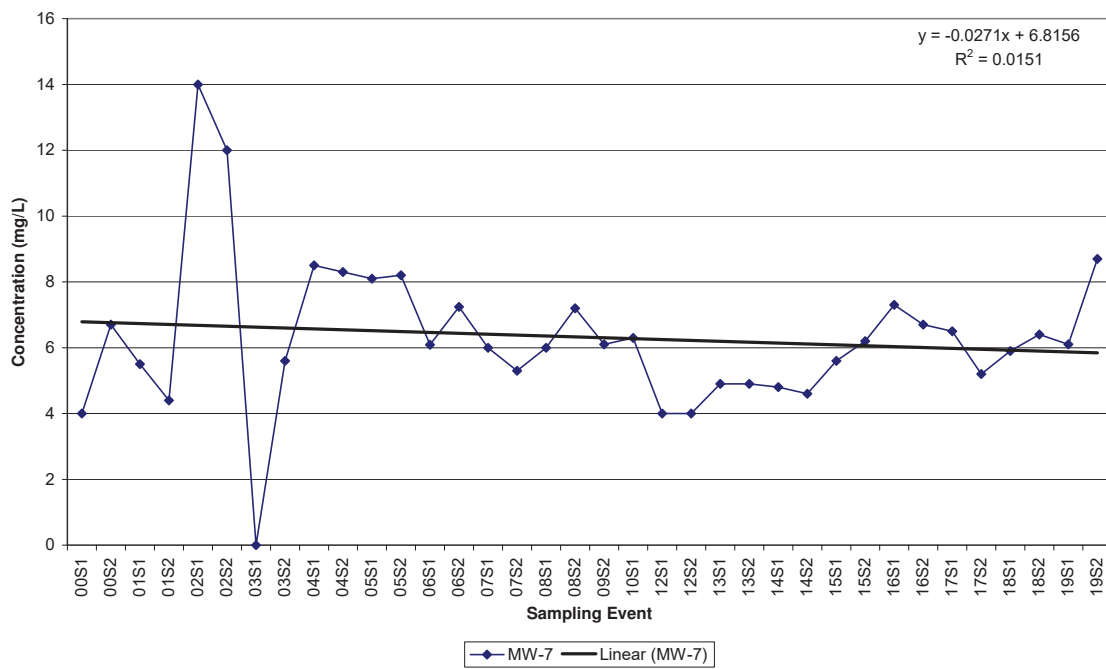


**Citrus County Central Landfill  
Historical Chloride Data**

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

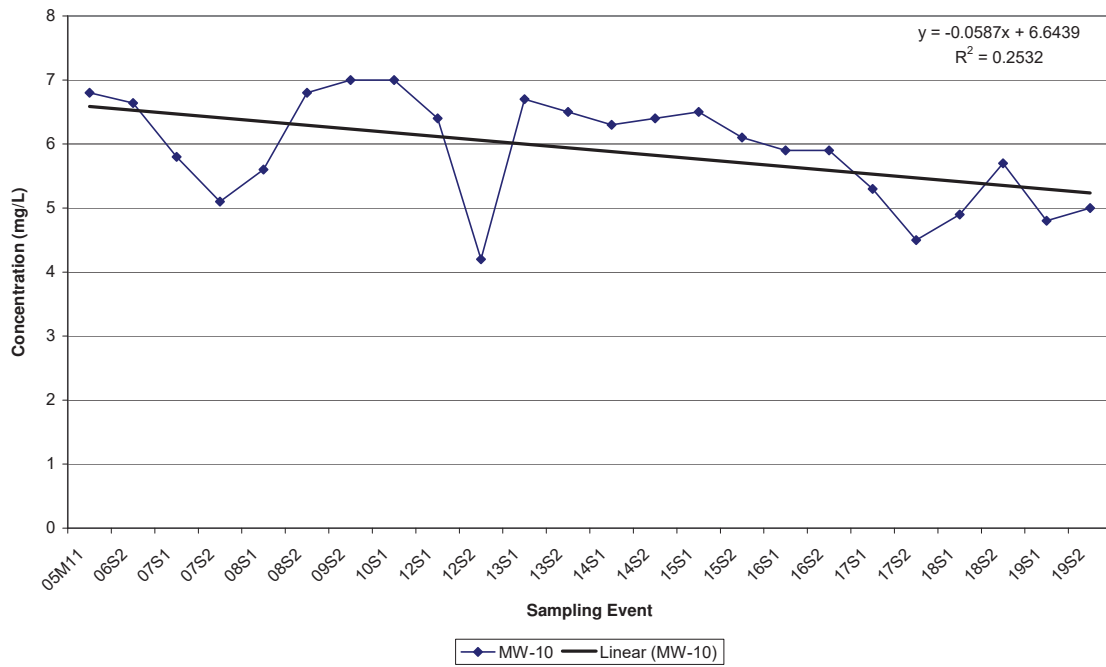


**Citrus County Central Landfill  
Historic Chloride in MW-7**

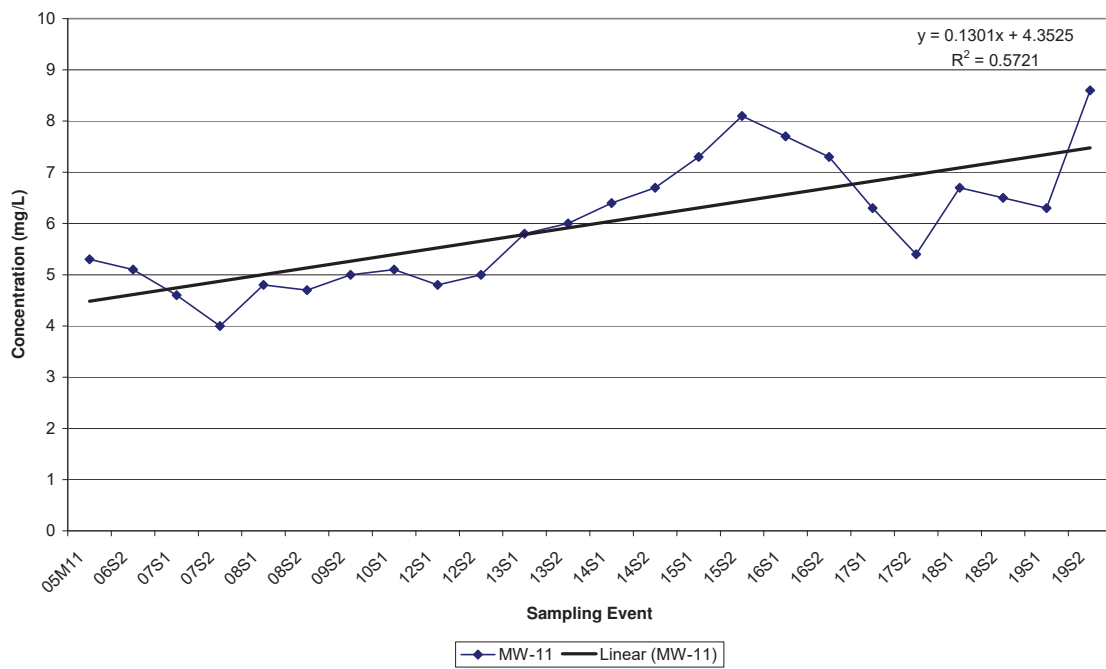




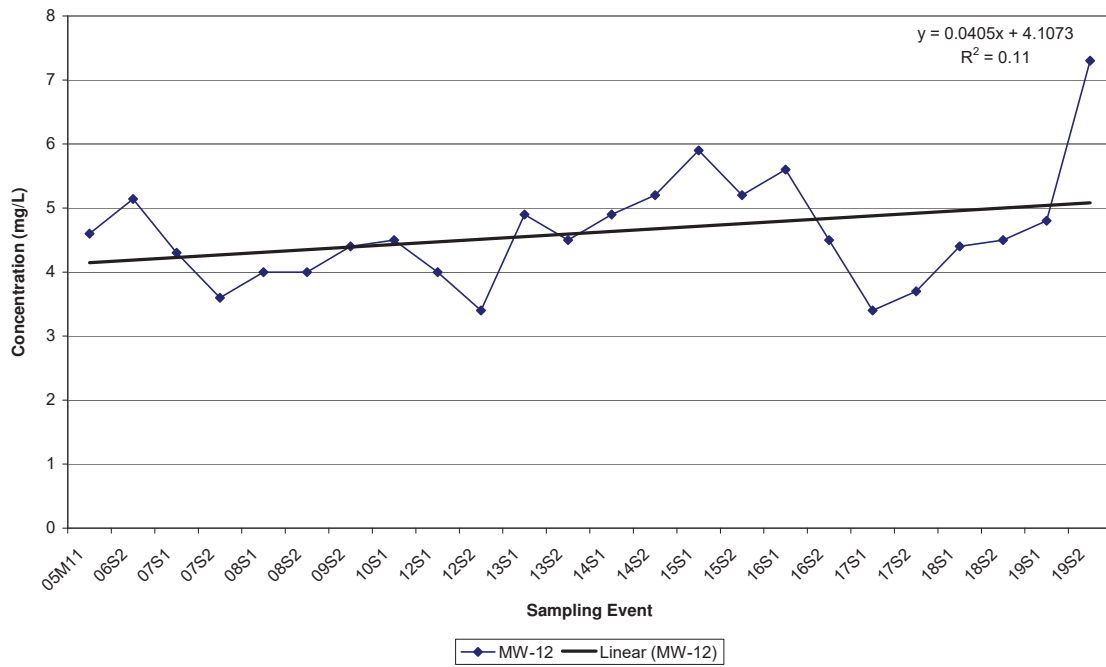
**Citrus County Central Landfill  
Historic Chloride in MW-10**



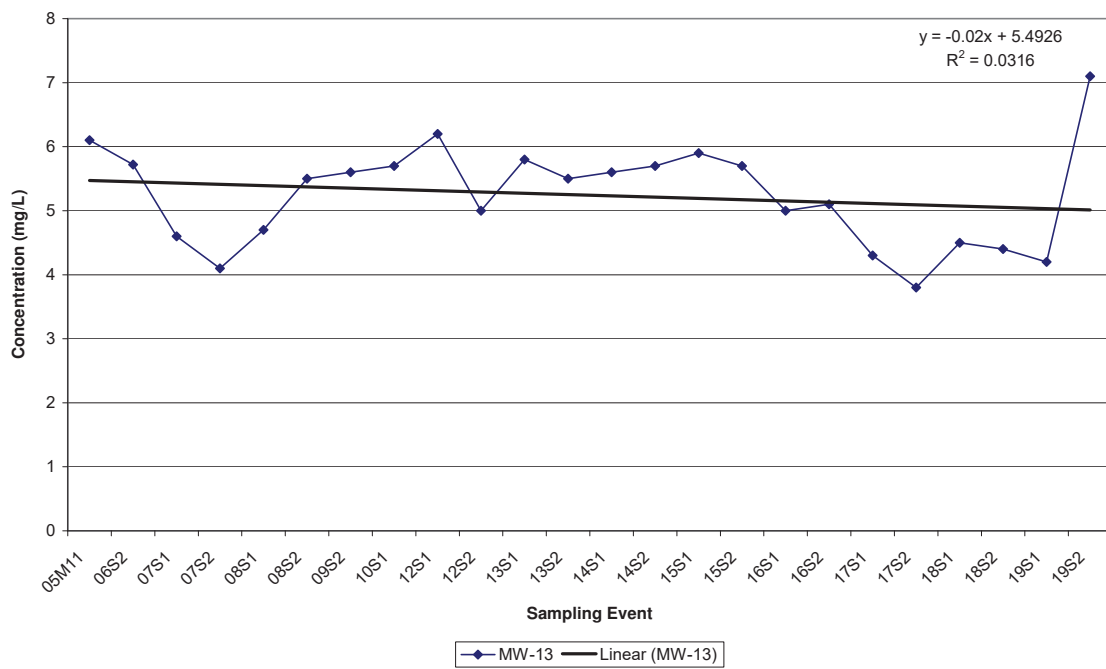
**Citrus County Central Landfill  
Historic Chloride in MW-11**



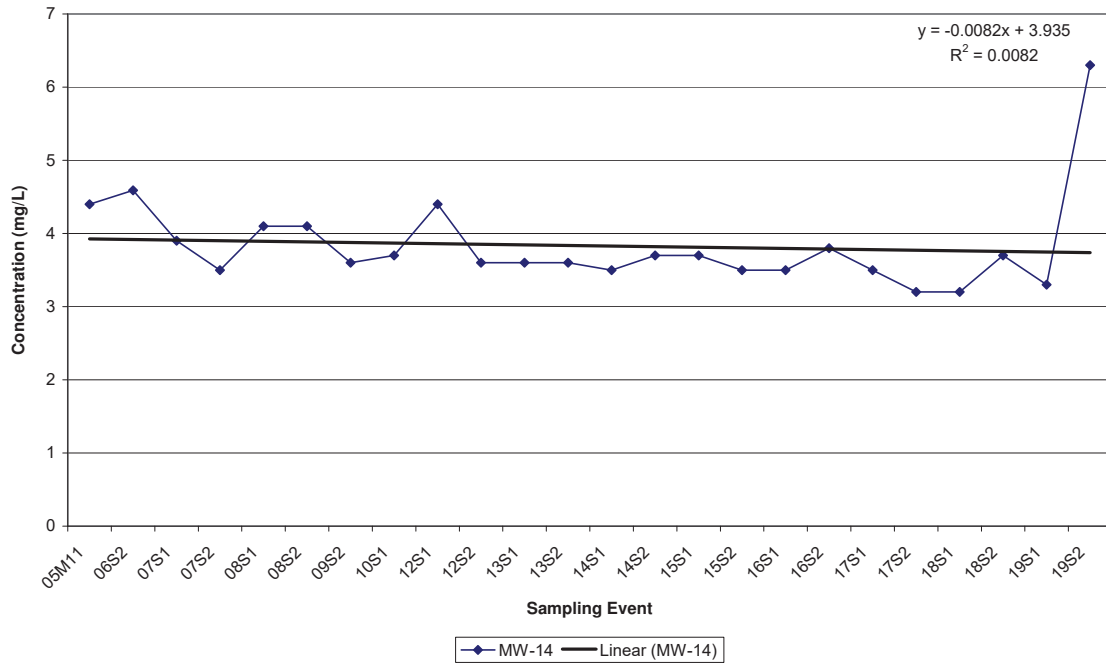
**Citrus County Central Landfill  
Historic Chloride in MW-12**



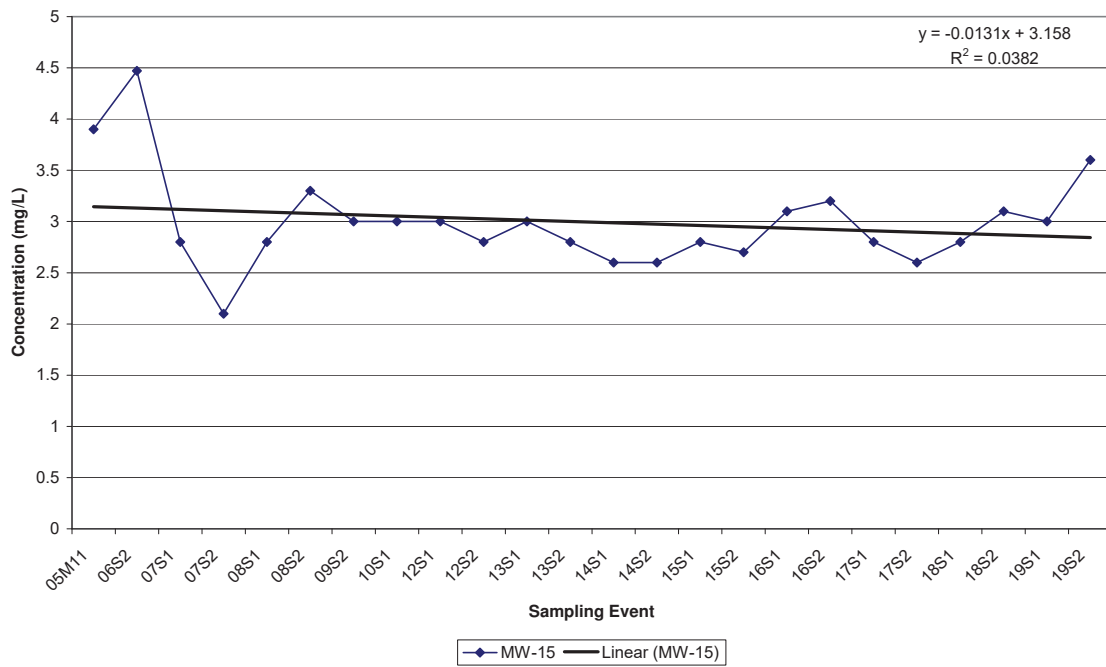
**Citrus County Central Landfill  
Historic Chloride in MW-13**



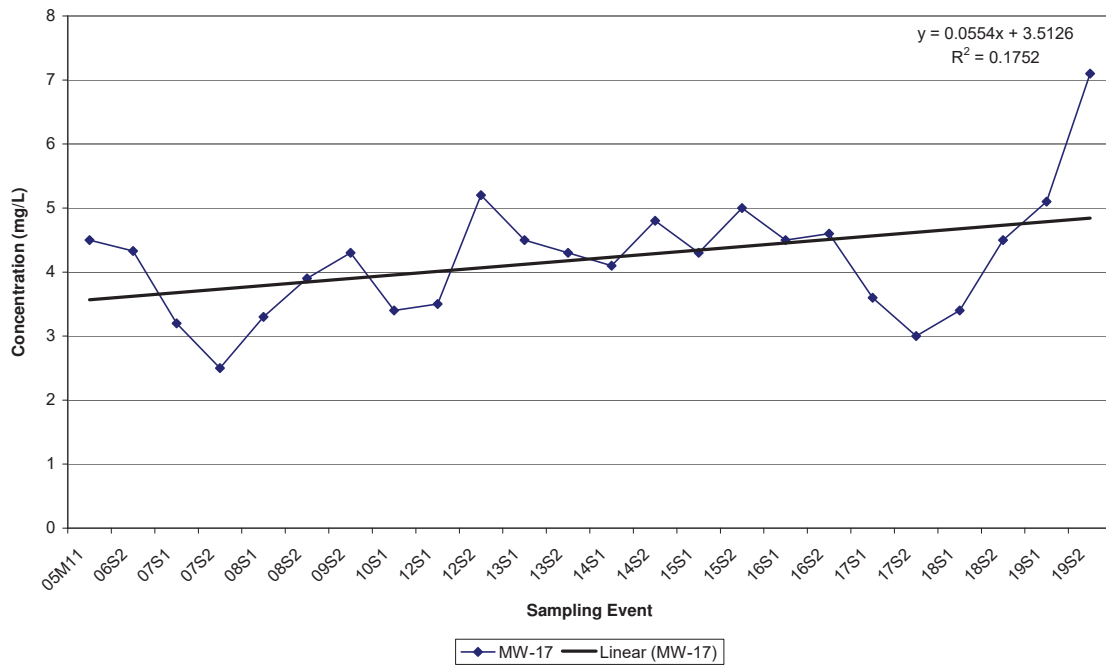
**Citrus County Central Landfill  
Historic Chloride in MW-14**



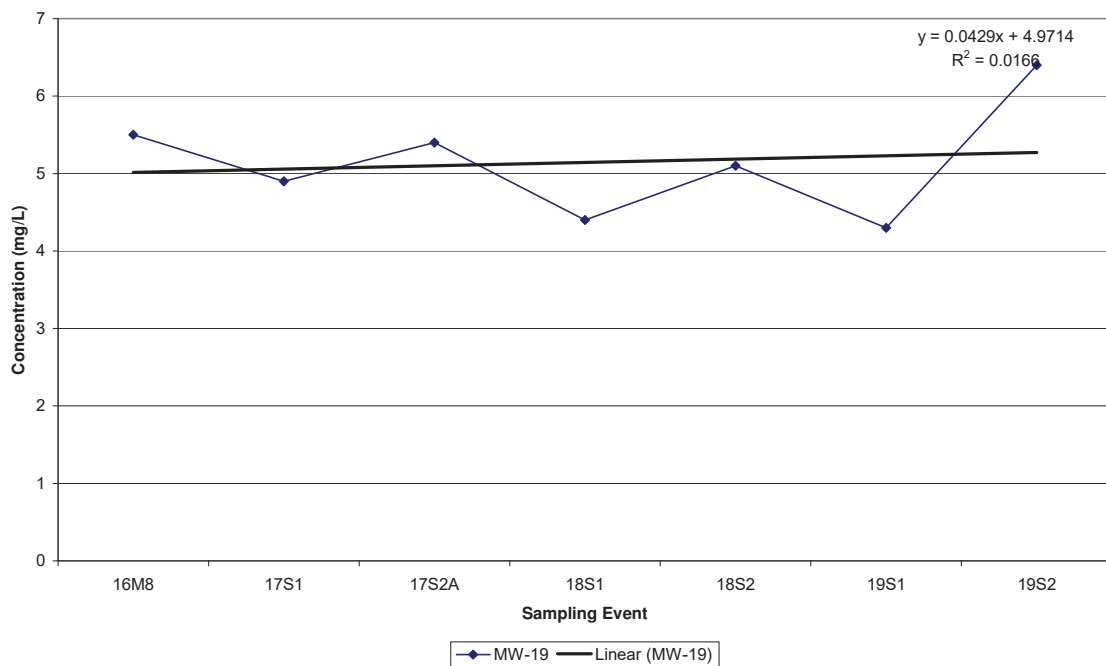
**Citrus County Central Landfill  
Historic Chloride in MW-15**



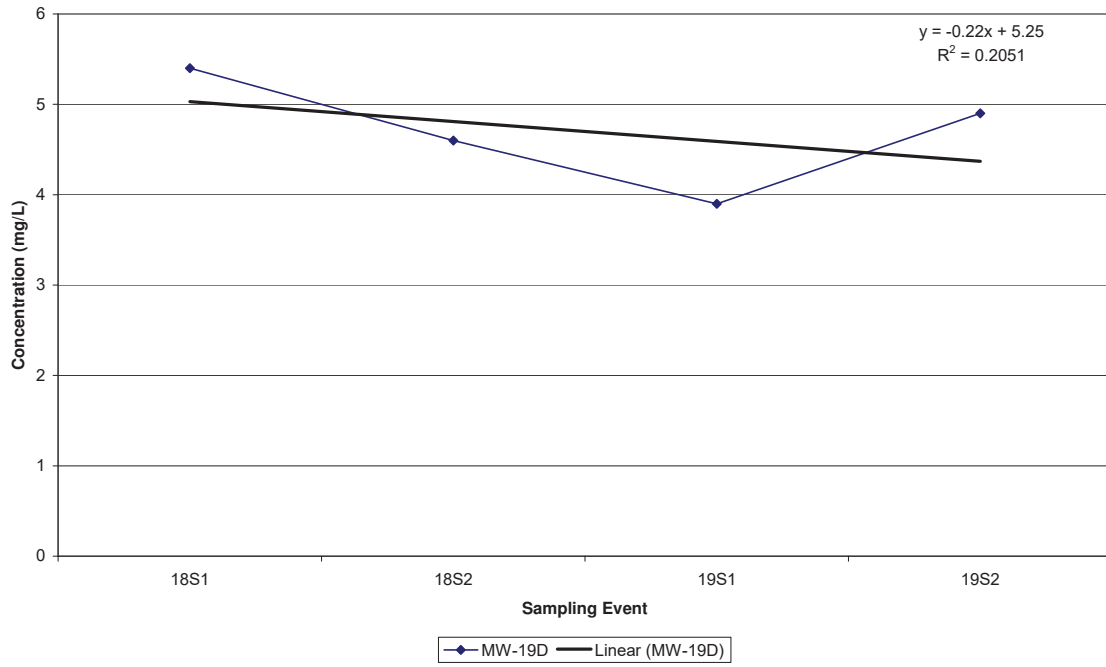
**Citrus County Central Landfill  
Historic Chloride in MW-17**



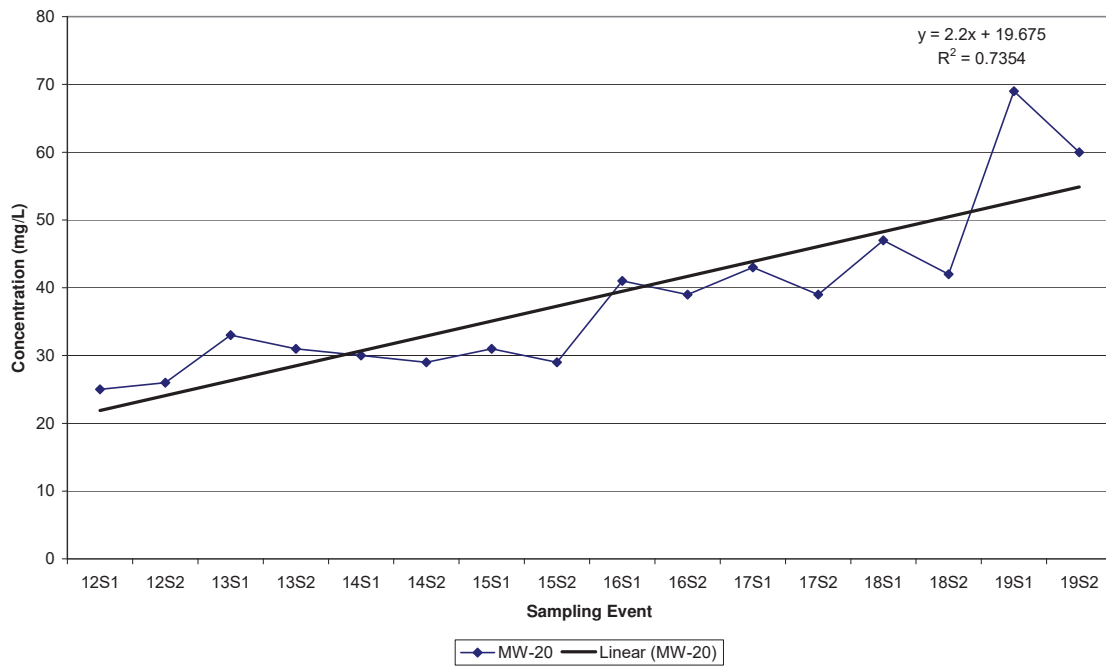
**Citrus County Central Landfill  
Historic Chloride in MW-19**



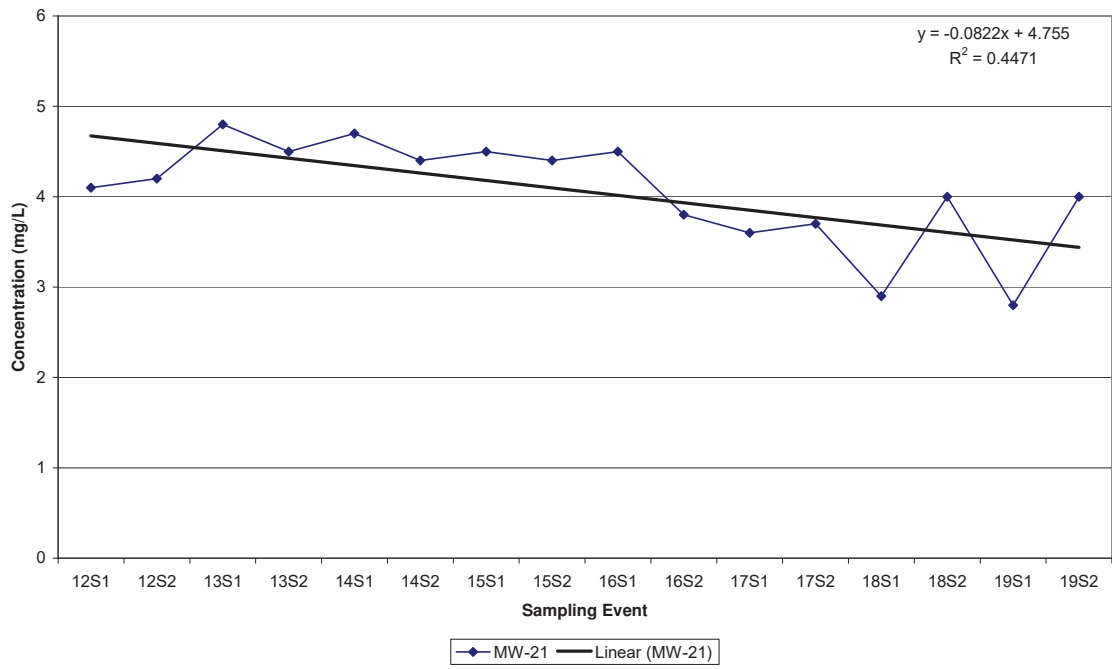
Citrus County Central Landfill  
Historic Chloride in MW-19D



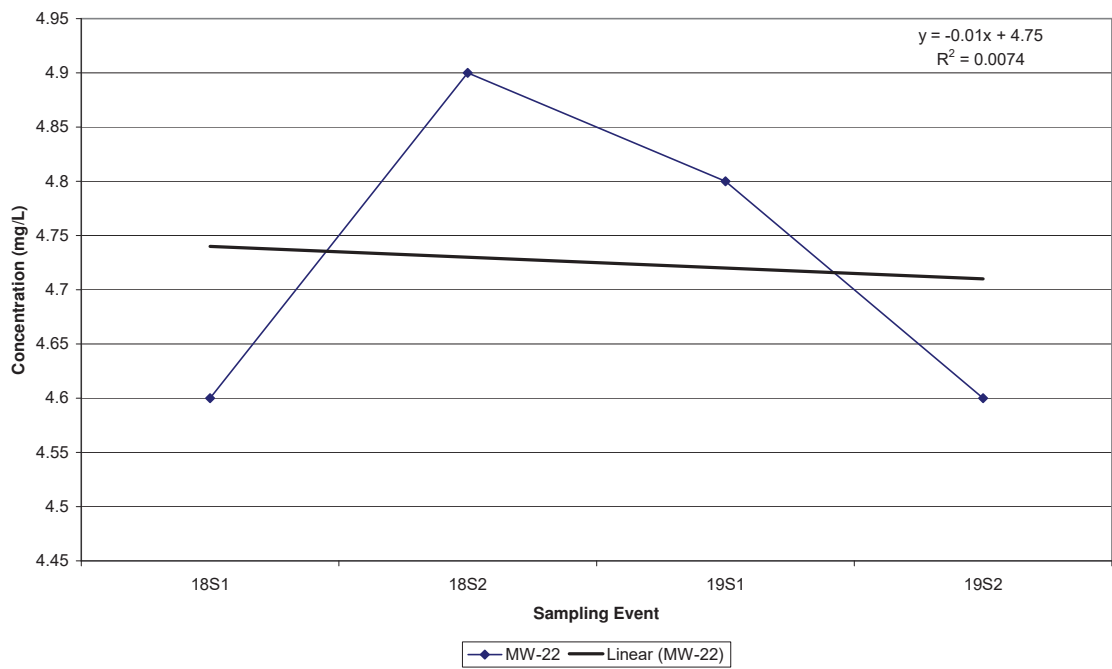
Citrus County Central Landfill  
Historic Chloride in MW-20



Citrus County Central Landfill  
Historic Chloride in MW-21

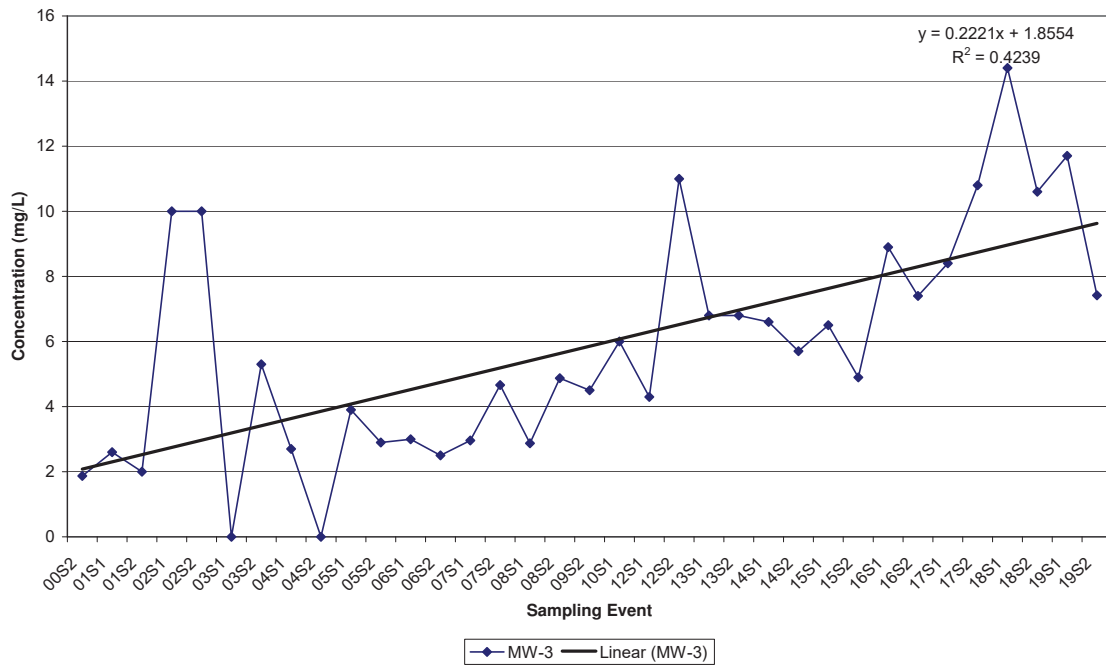


Citrus County Central Landfill  
Historic Chloride in MW-22

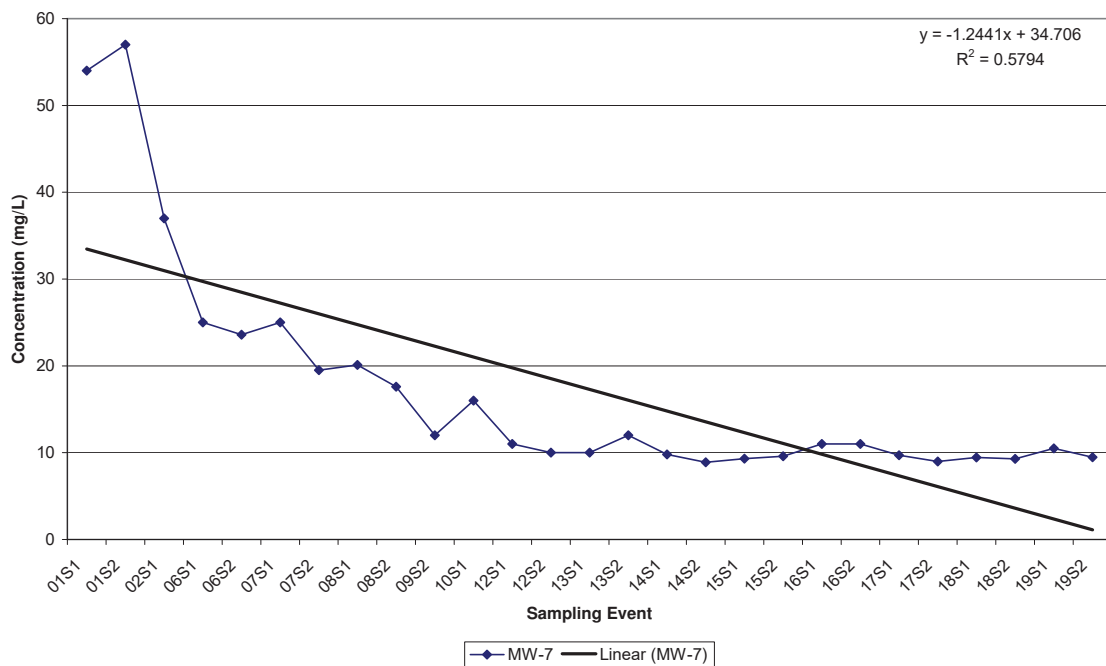


**Citrus County Central Landfill  
Historical Sodium Data**

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

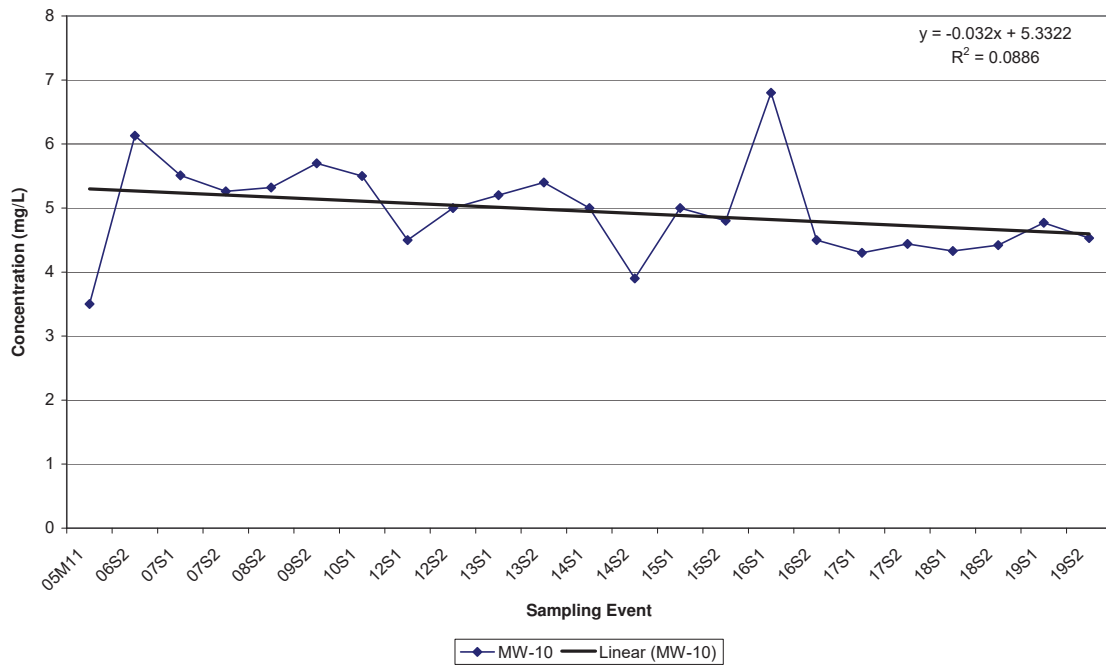


**Citrus County Central Landfill  
Historic Sodium in MW-7**

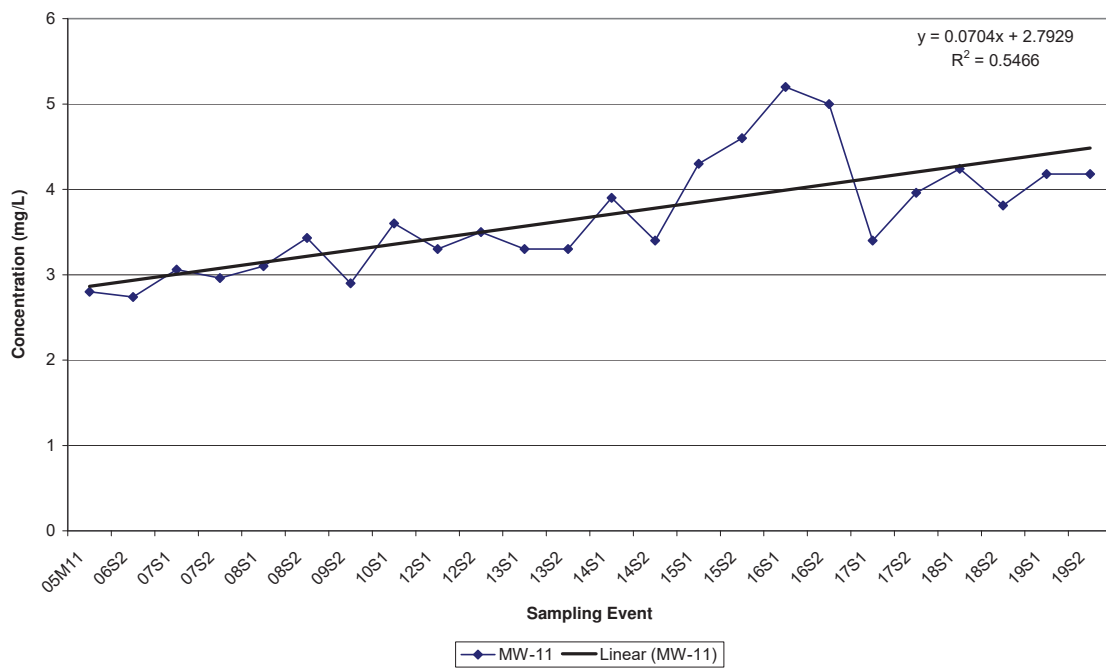




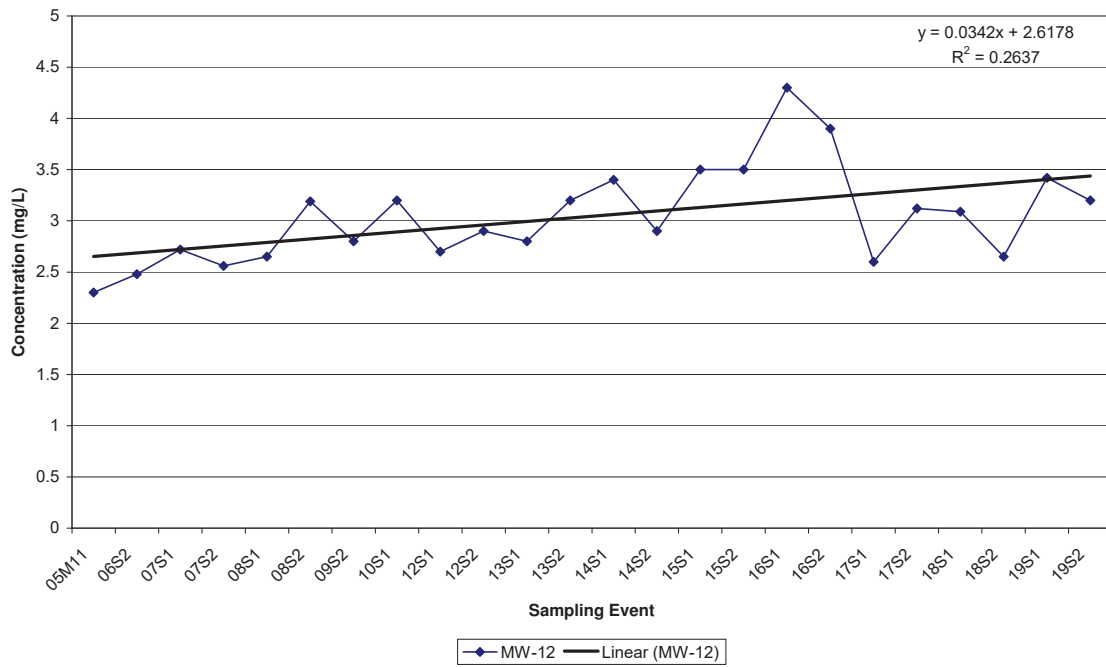
**Citrus County Central Landfill  
Historic Sodium in MW-10**



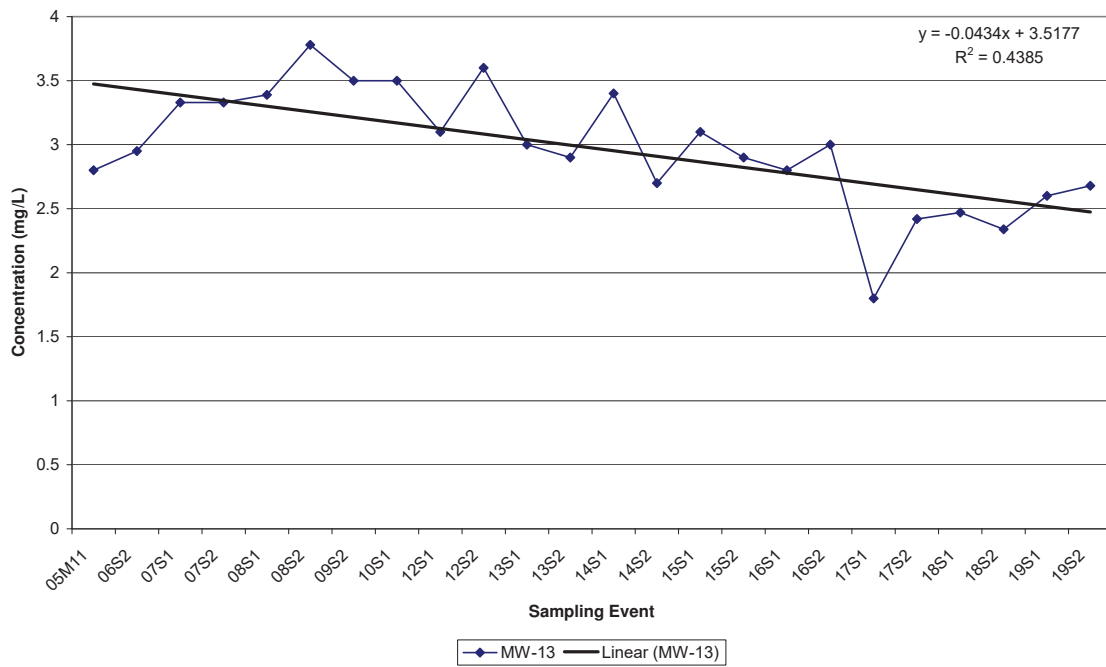
**Citrus County Central Landfill  
Historic Sodium in MW-11**



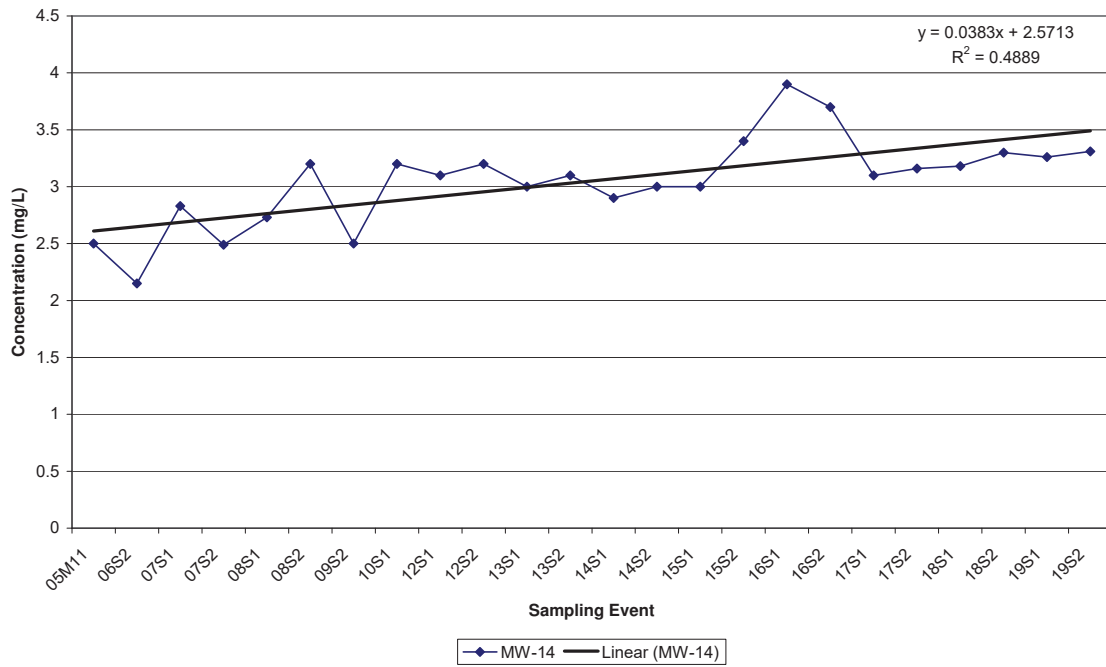
**Citrus County Central Landfill  
Historic Sodium in MW-12**



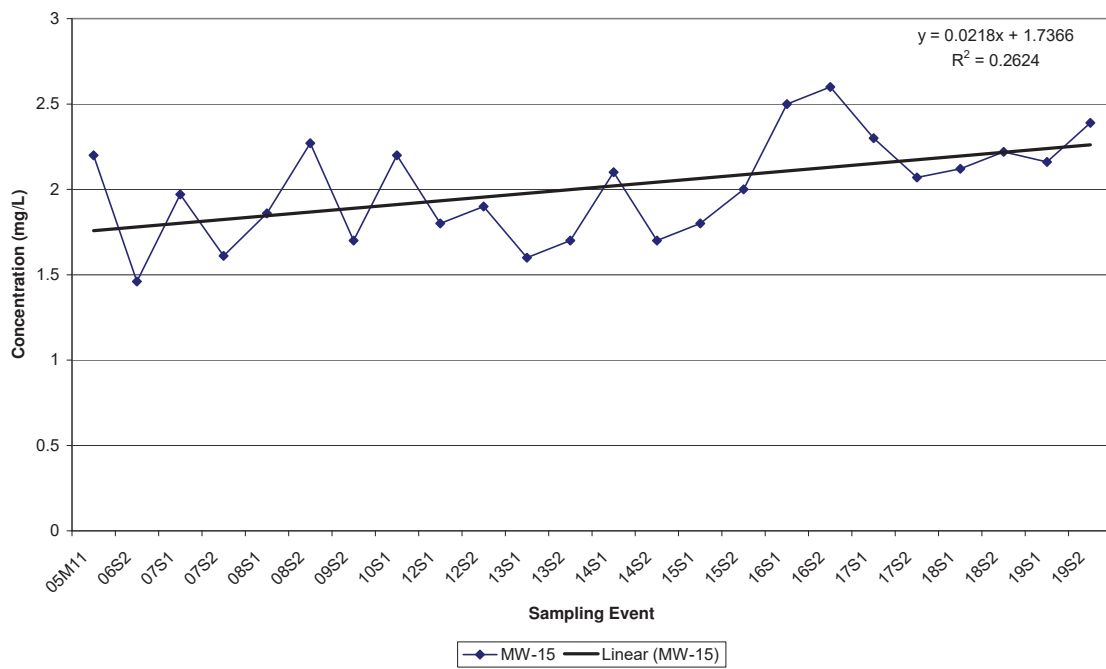
**Citrus County Central Landfill  
Historic Sodium in MW-13**



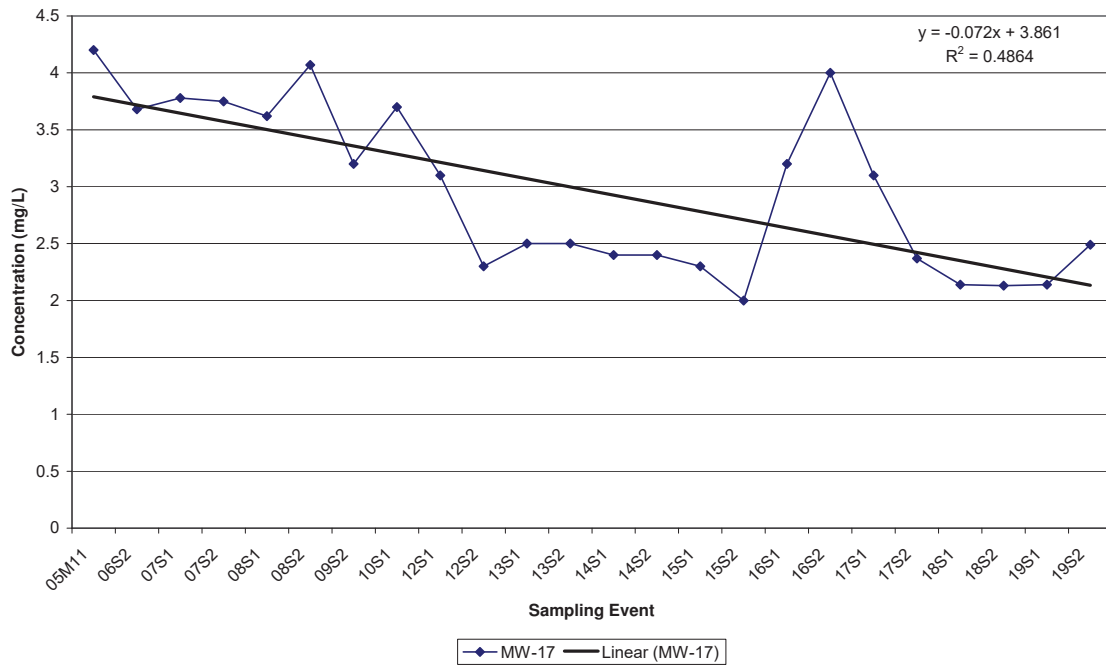
**Citrus County Central Landfill  
Historic Sodium in MW-14**



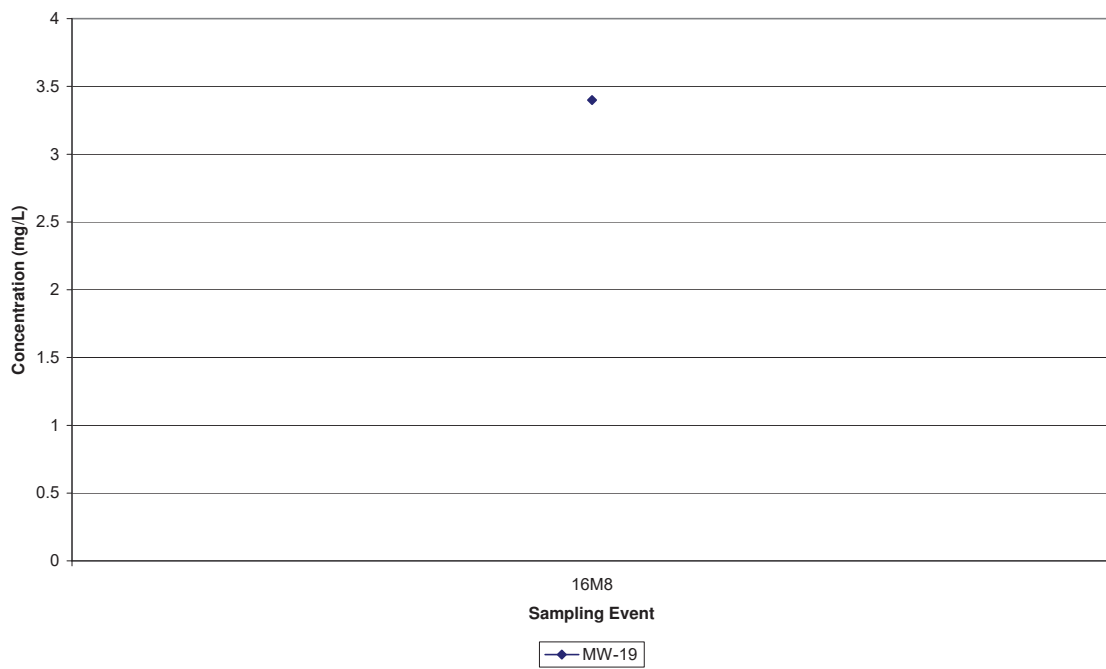
**Citrus County Central Landfill  
Historic Sodium in MW-15**



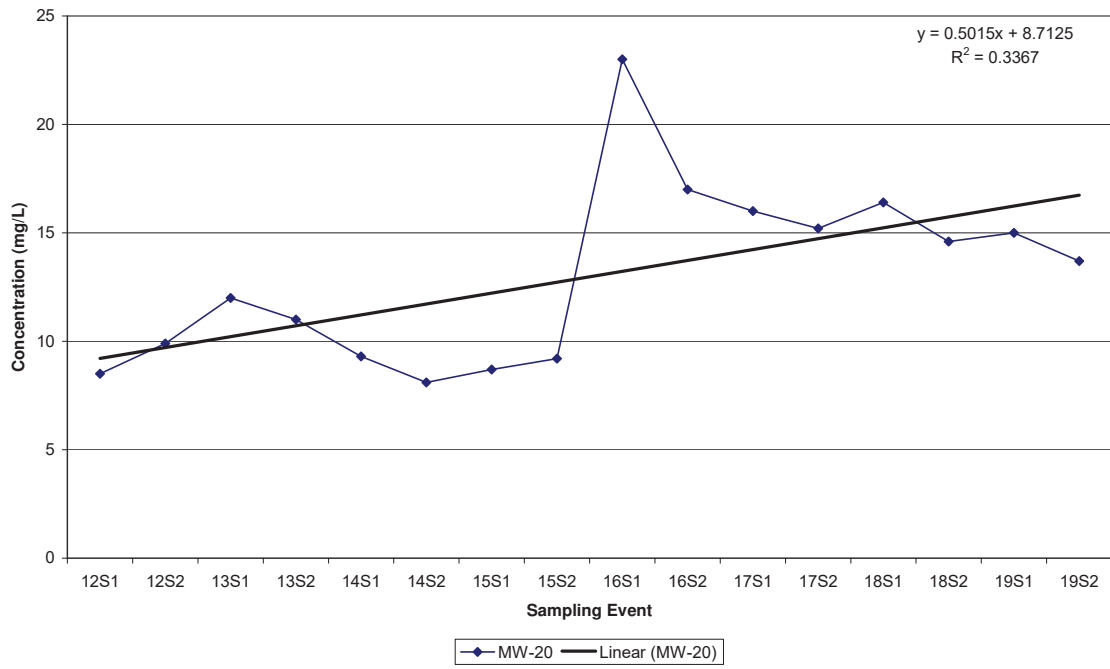
**Citrus County Central Landfill  
Historic Sodium in MW-17**



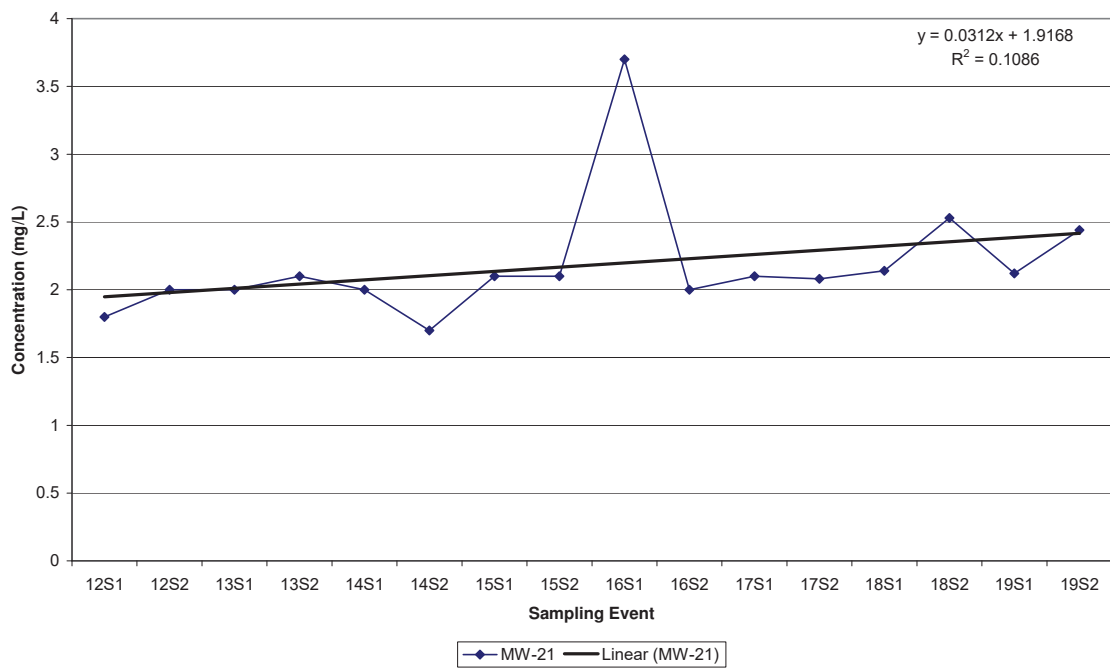
**Citrus County Central Landfill  
Historic Sodium in MW-19**



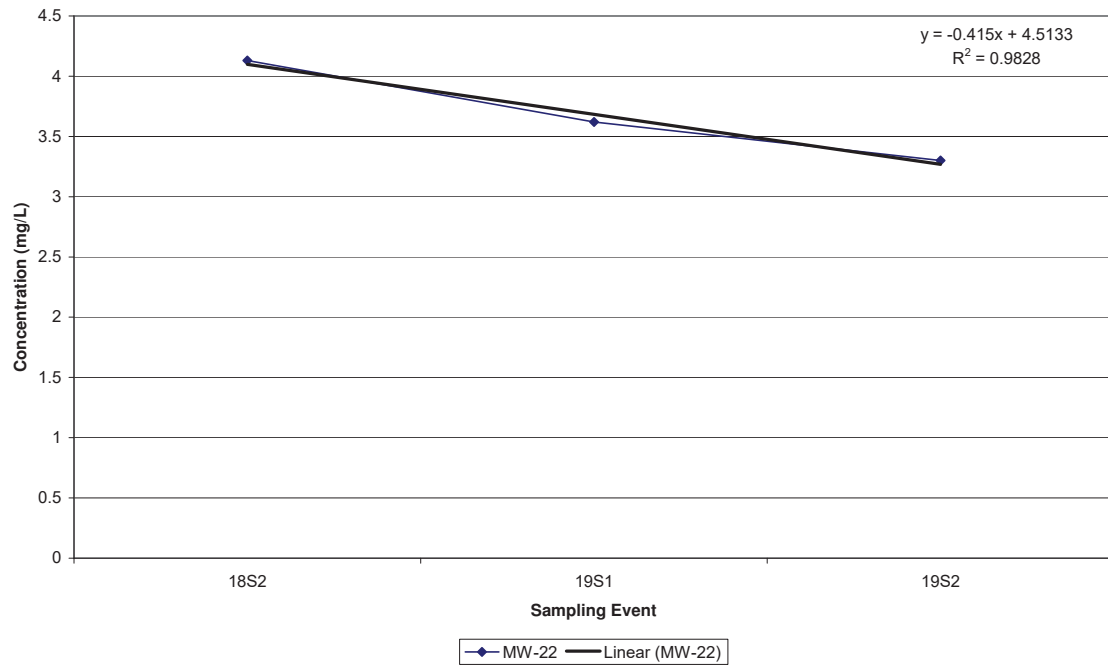
Citrus County Central Landfill  
Historic Sodium in MW-20



Citrus County Central Landfill  
Historic Sodium in MW-21

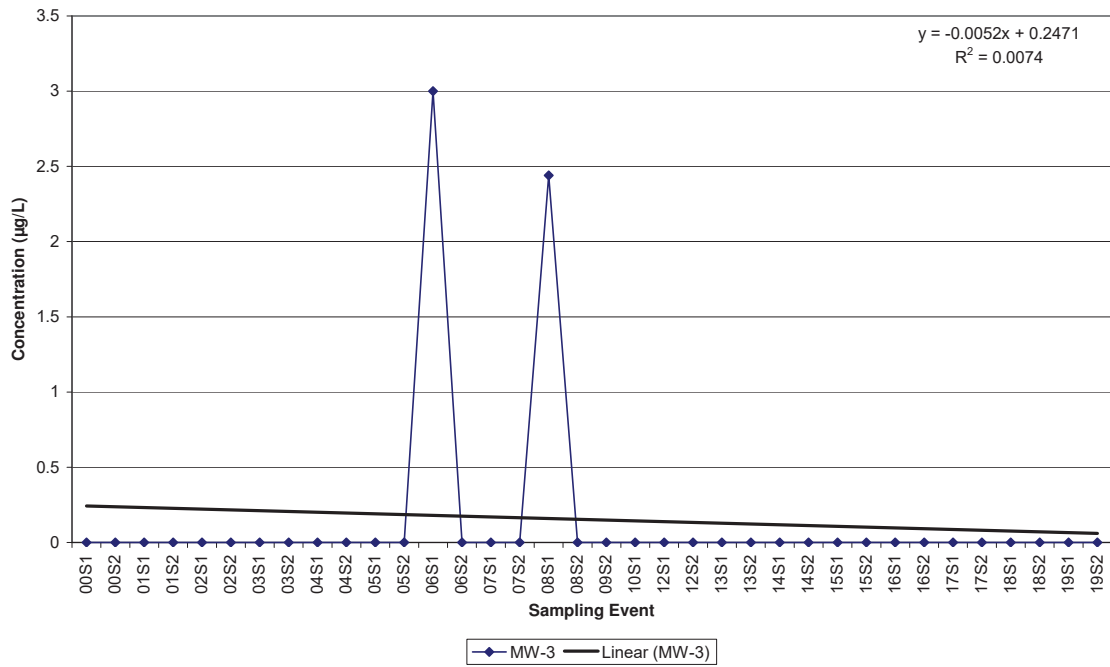


Citrus County Central Landfill  
Historic Sodium in MW-22



**Citrus County Central Landfill  
Historical Arsenic Data**

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

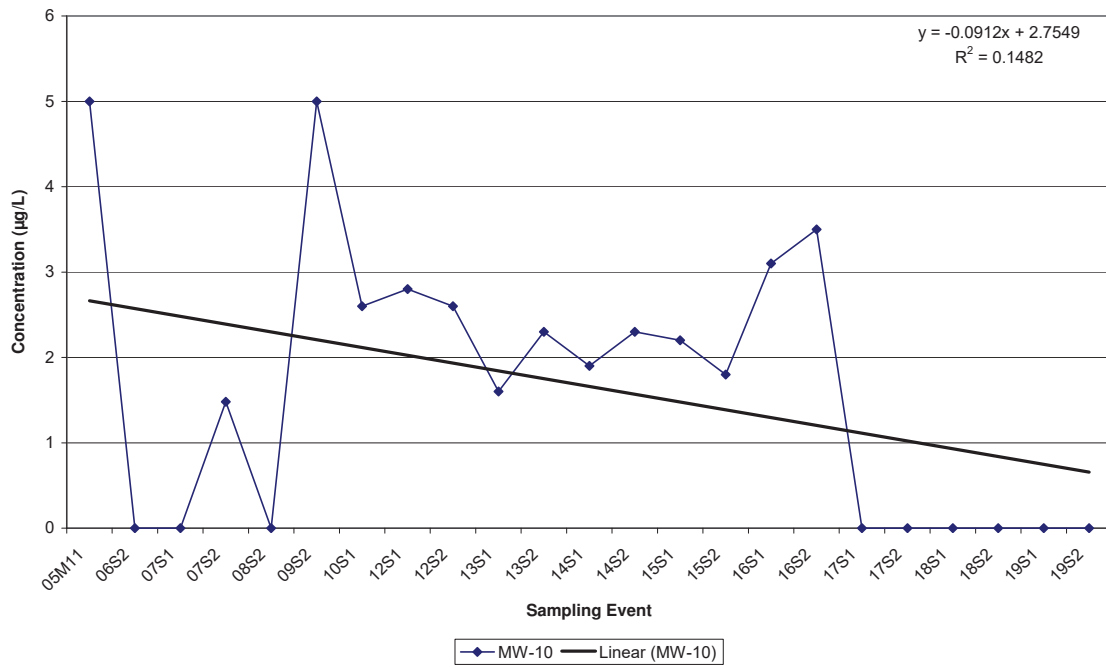


**Citrus County Central Landfill  
Historic Arsenic in MW-7**

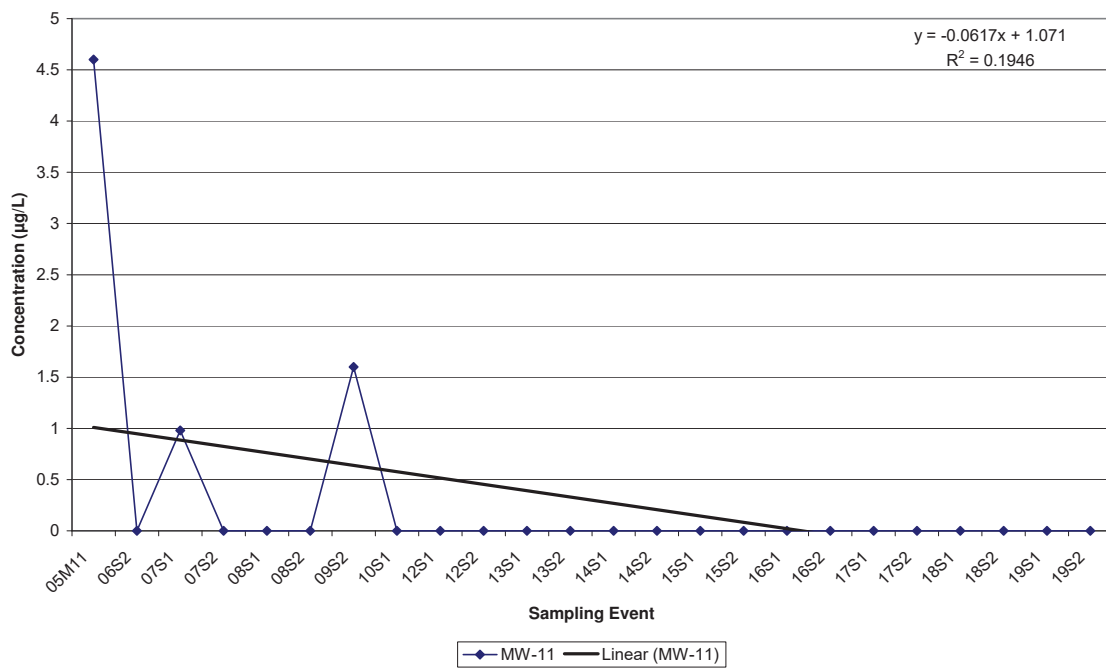




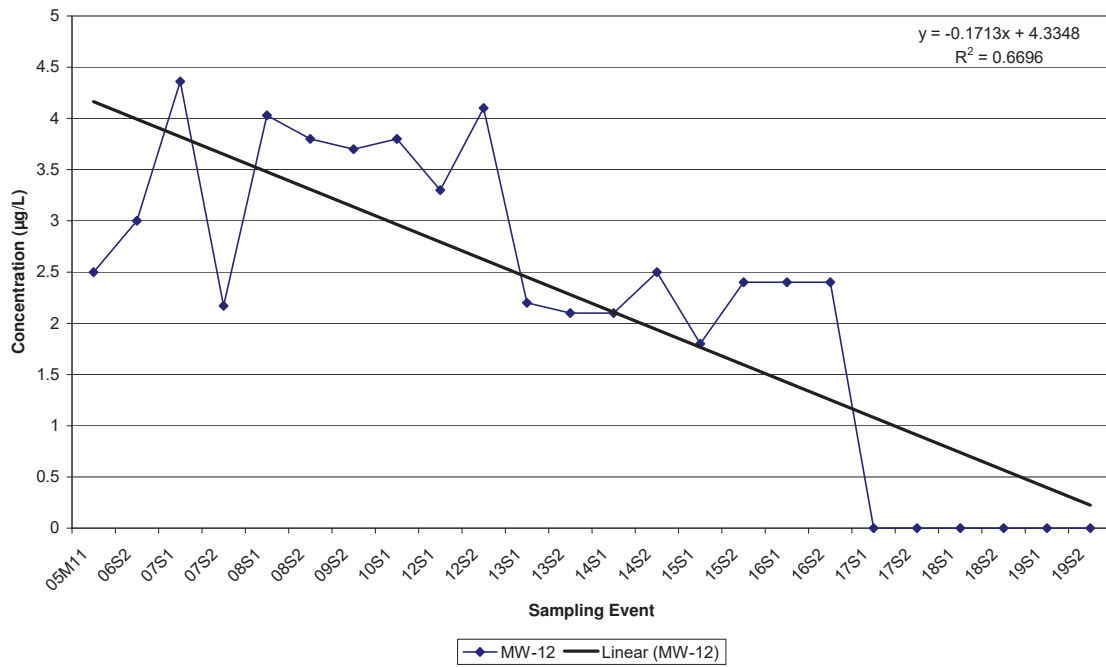
**Citrus County Central Landfill  
Historic Arsenic in MW-10**



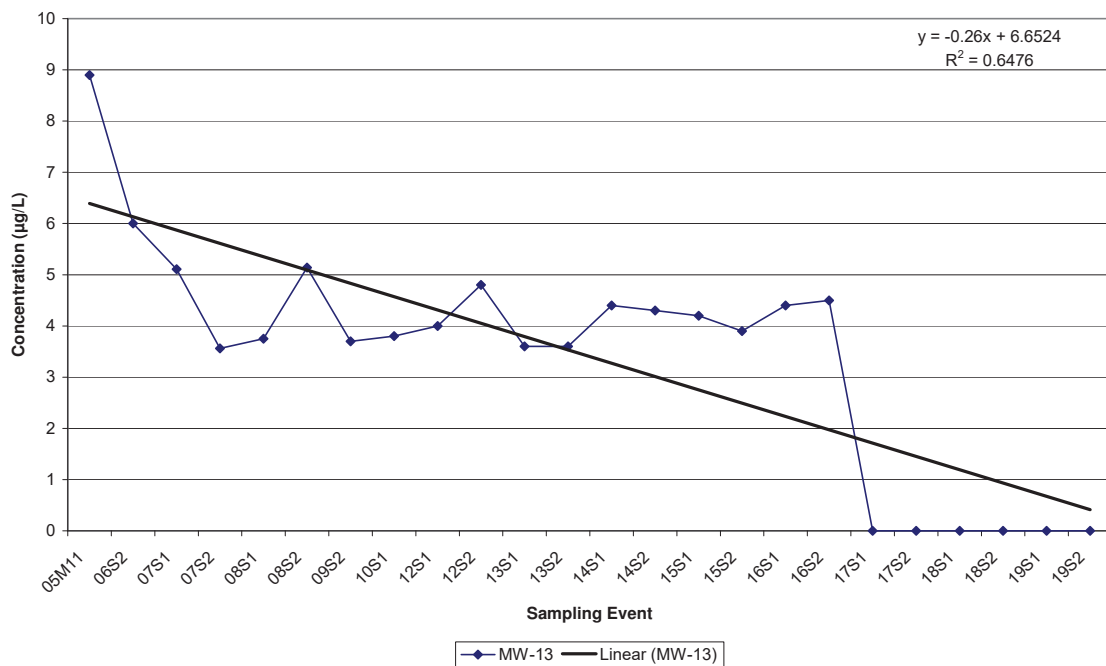
**Citrus County Central Landfill  
Historic Arsenic in MW-11**



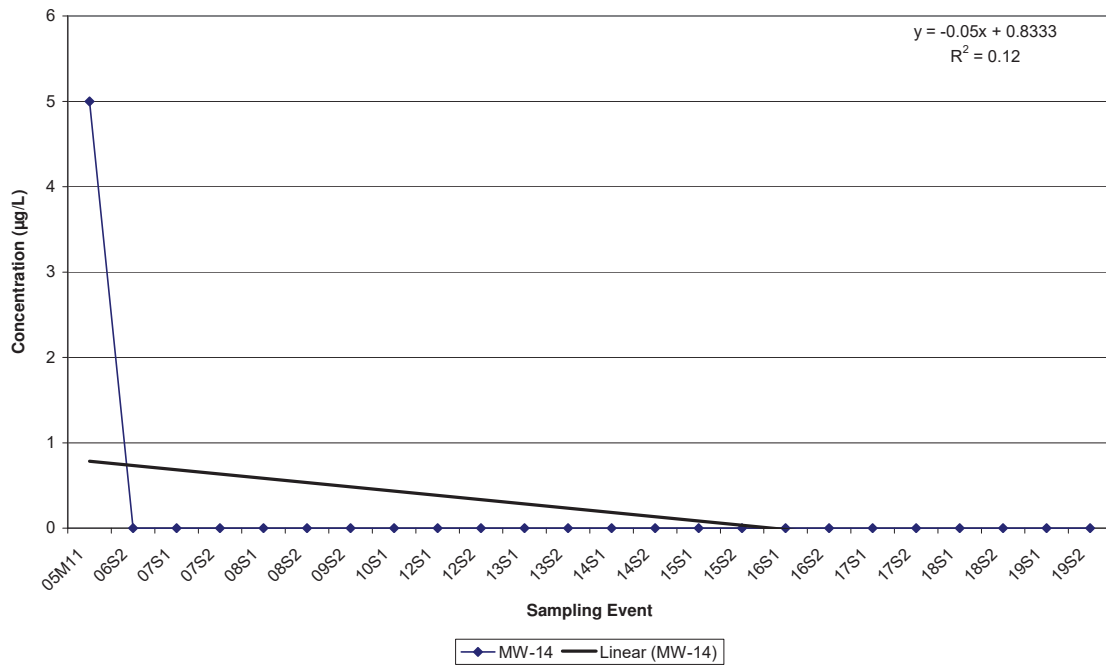
**Citrus County Central Landfill  
Historic Arsenic in MW-12**



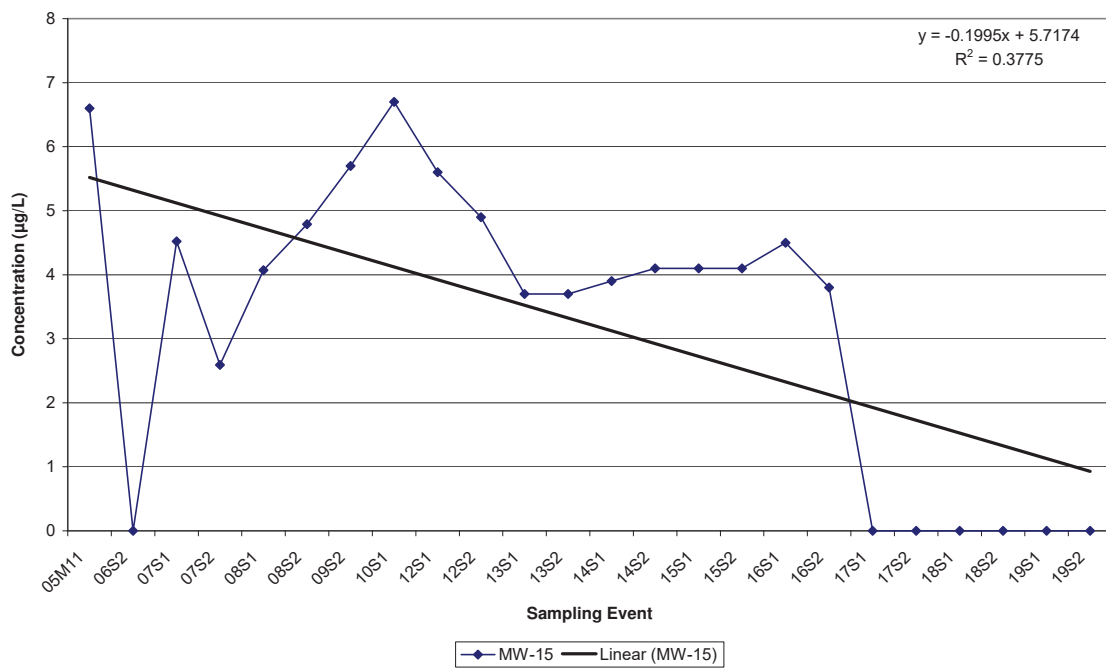
**Citrus County Central Landfill  
Historic Arsenic in MW-13**



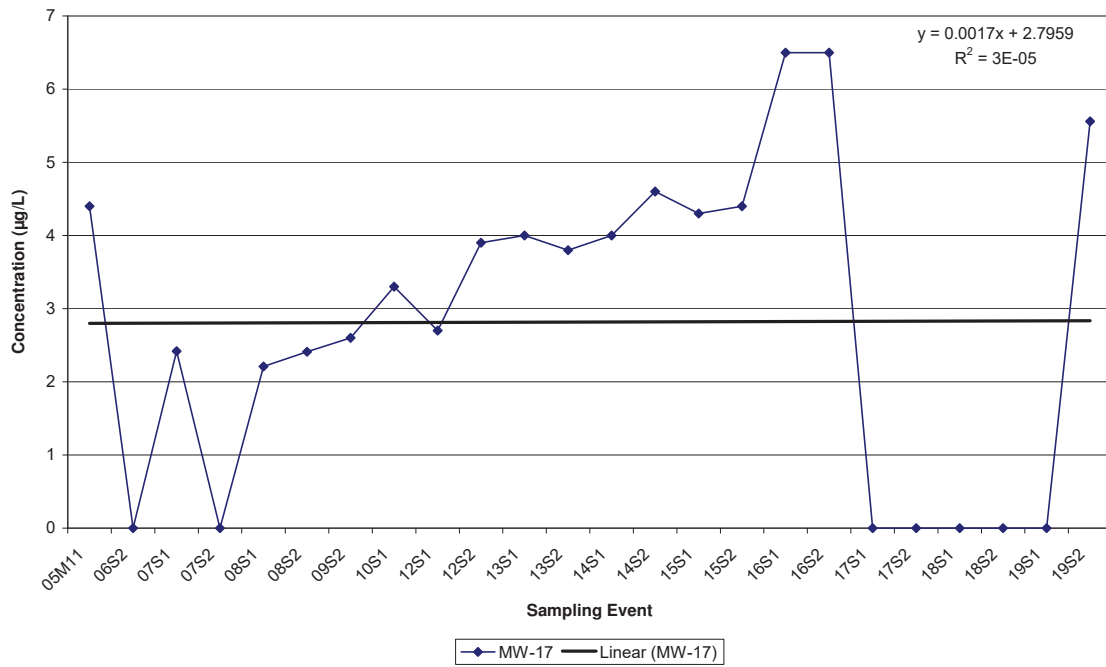
**Citrus County Central Landfill  
Historic Arsenic in MW-14**



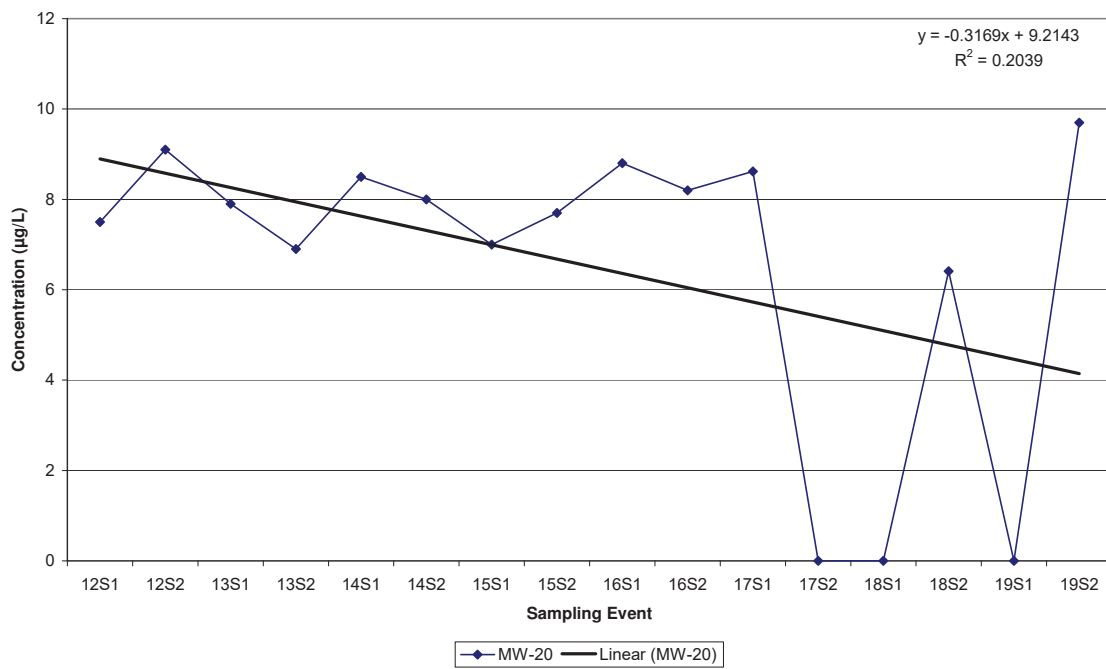
**Citrus County Central Landfill  
Historic Arsenic in MW-15**



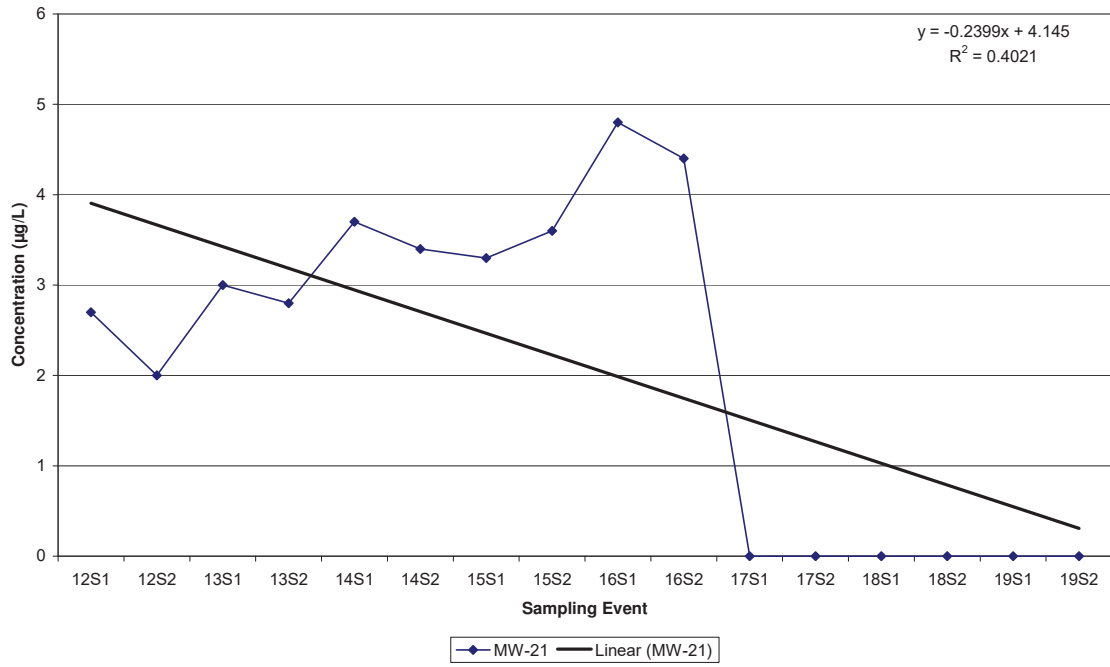
**Citrus County Central Landfill  
Historic Arsenic in MW-17**



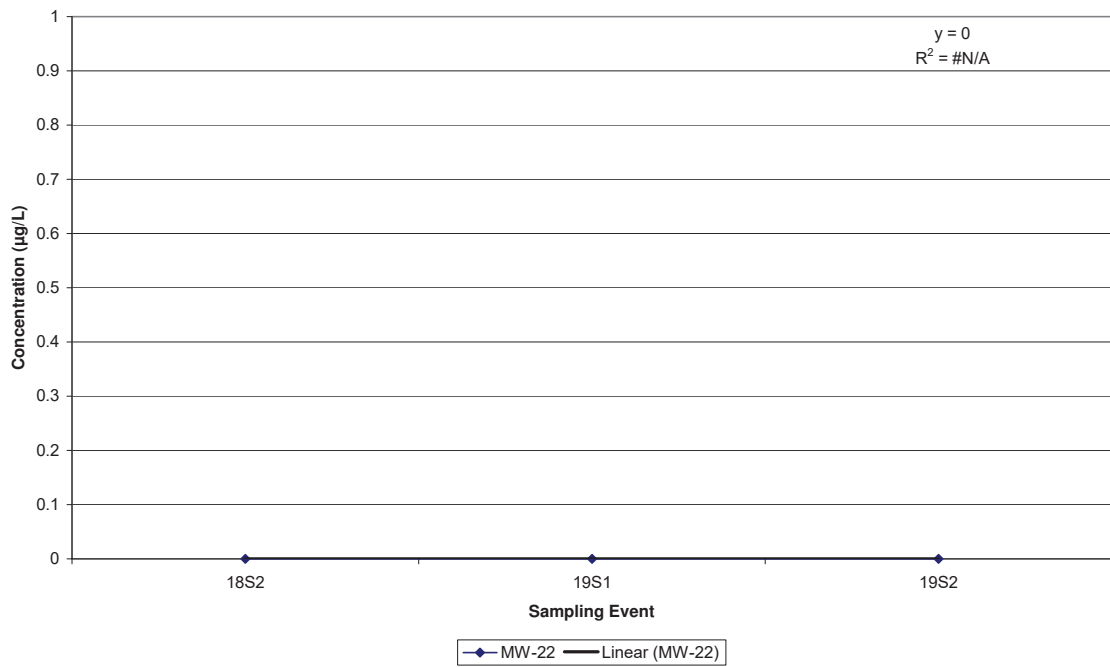
**Citrus County Central Landfill  
Historic Arsenic in MW-20**



Citrus County Central Landfill  
Historic Arsenic in MW-21

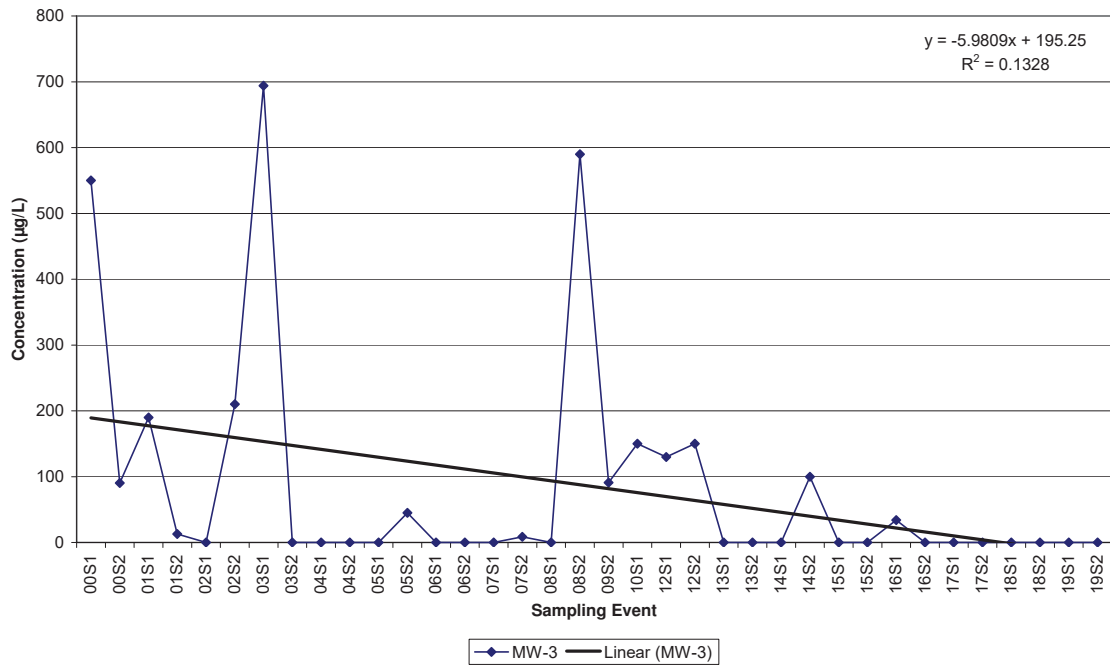


Citrus County Central Landfill  
Historic Arsenic in MW-22

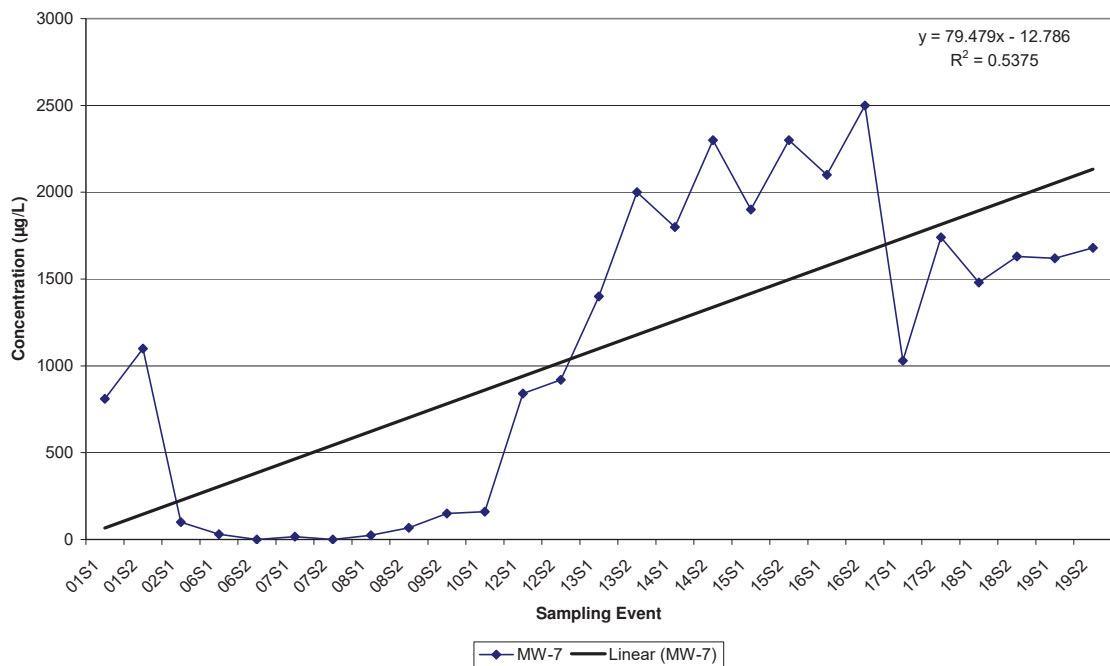


**Citrus County Central Landfill  
Historical Iron Data**

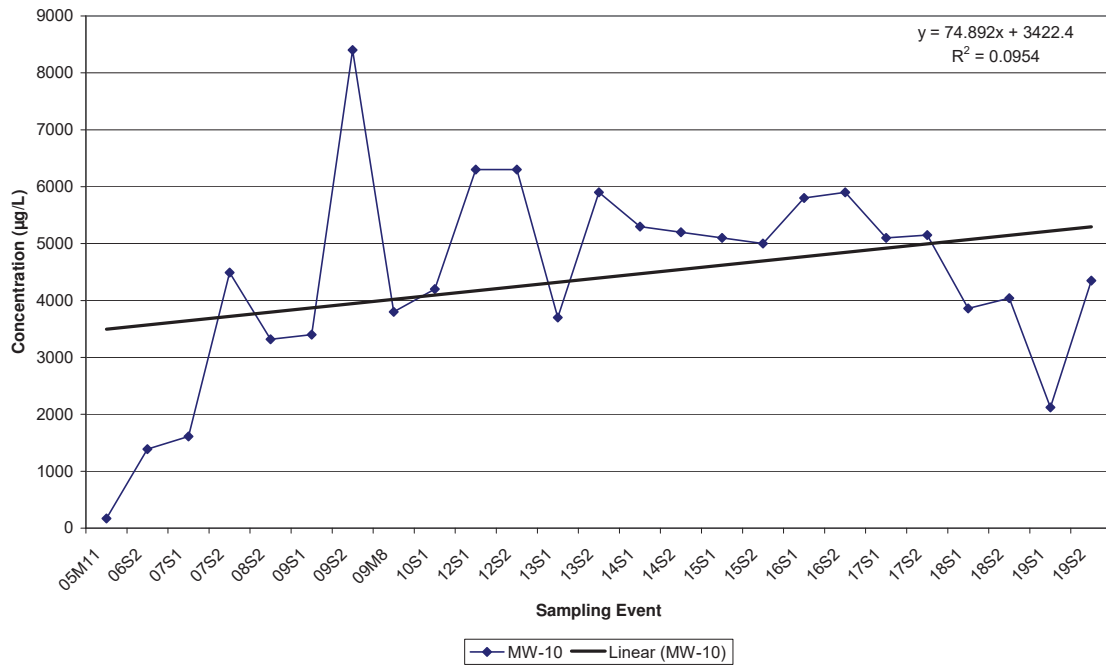
**Citrus County Central Landfill  
Historic Iron in MW-3**



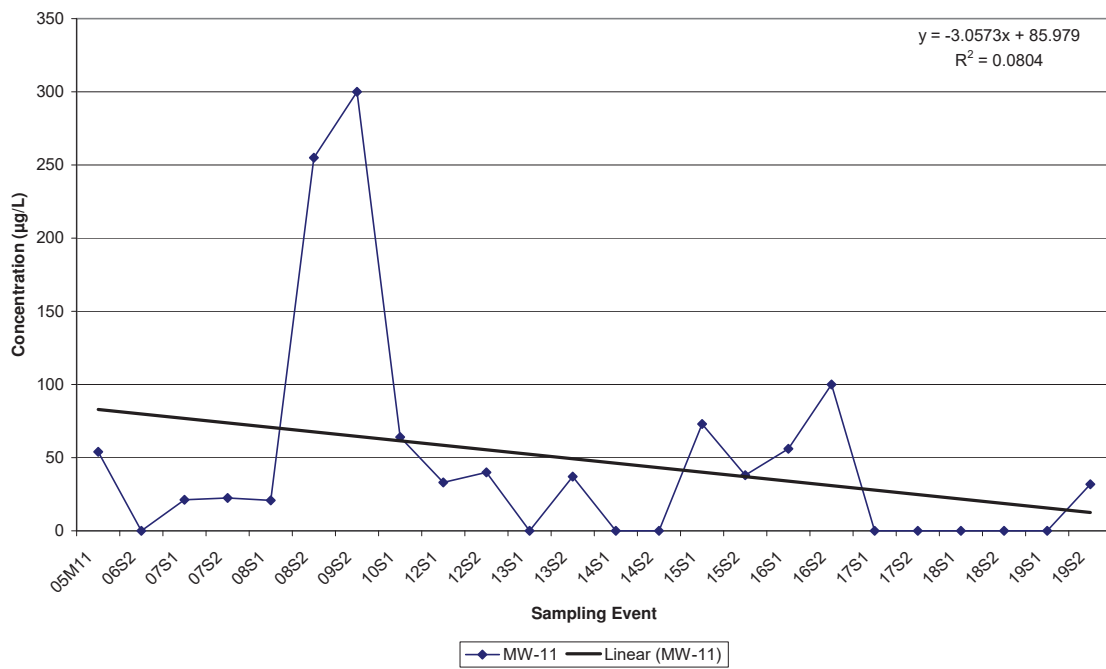
**Citrus County Central Landfill  
Historic Iron in MW-7**



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

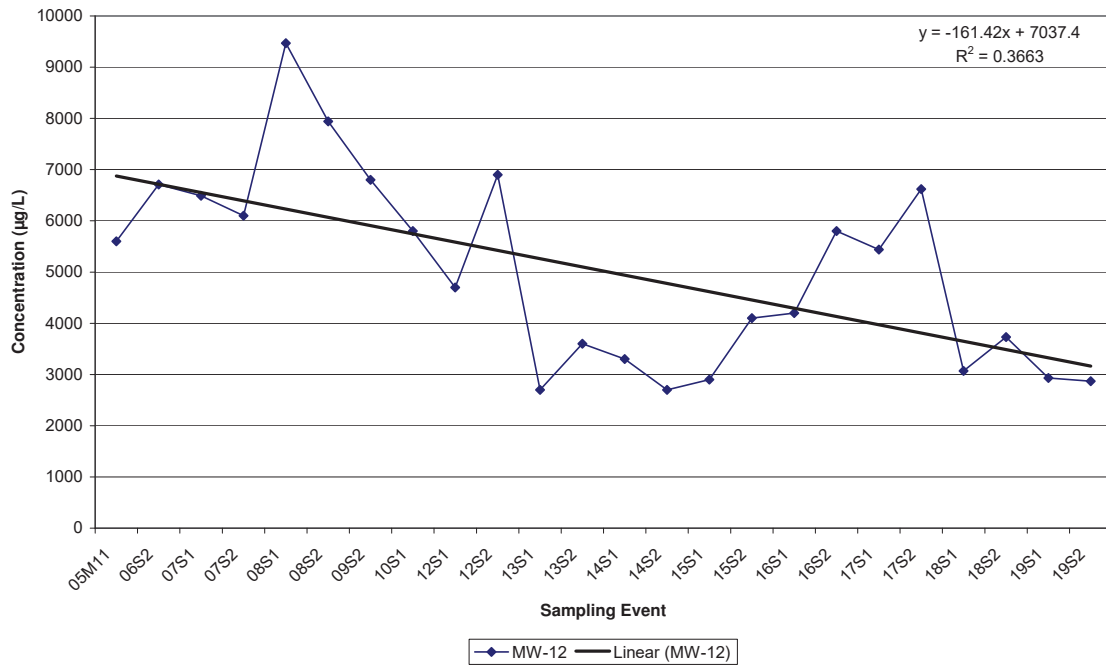


**Citrus County Central Landfill  
Historic Iron in MW-11**

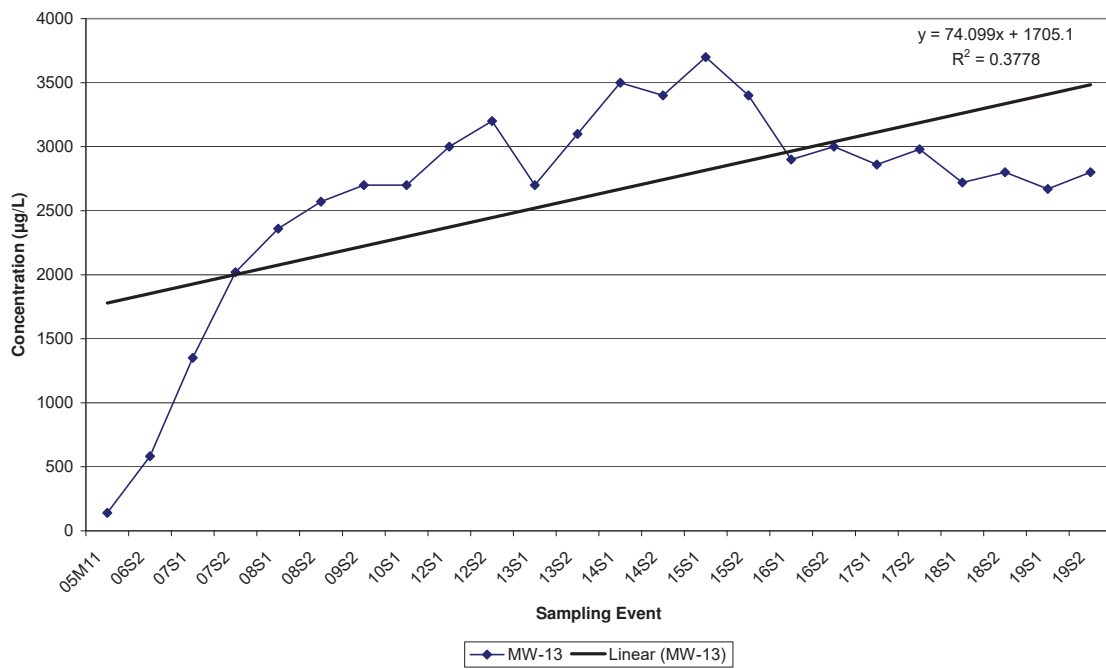




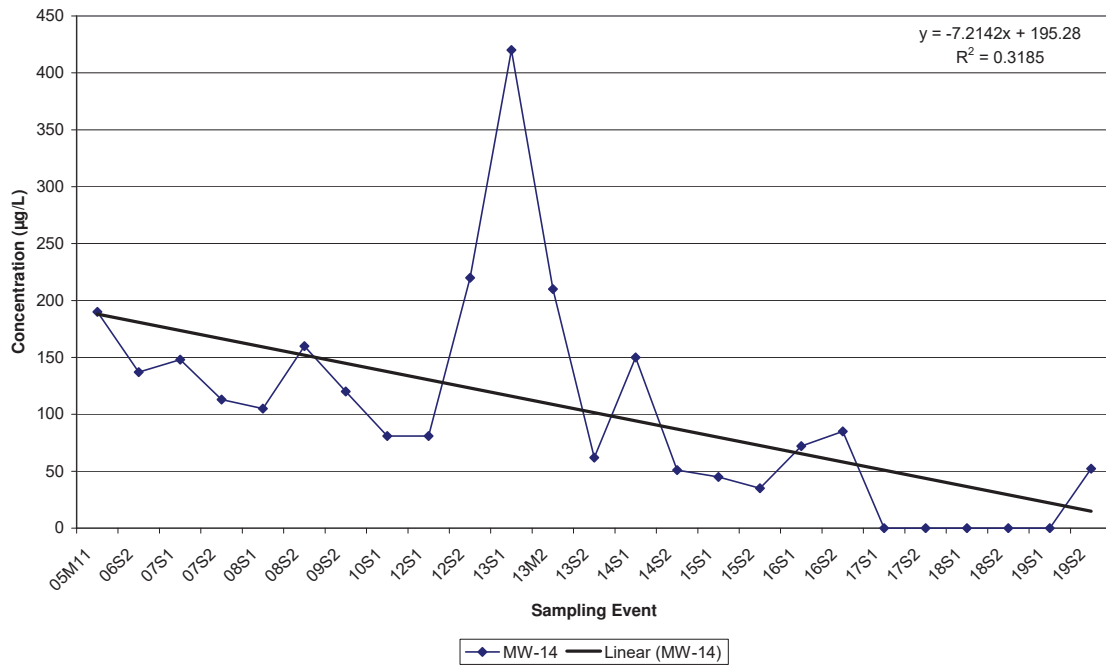
**Citrus County Central Landfill  
Historic Iron in MW-12**



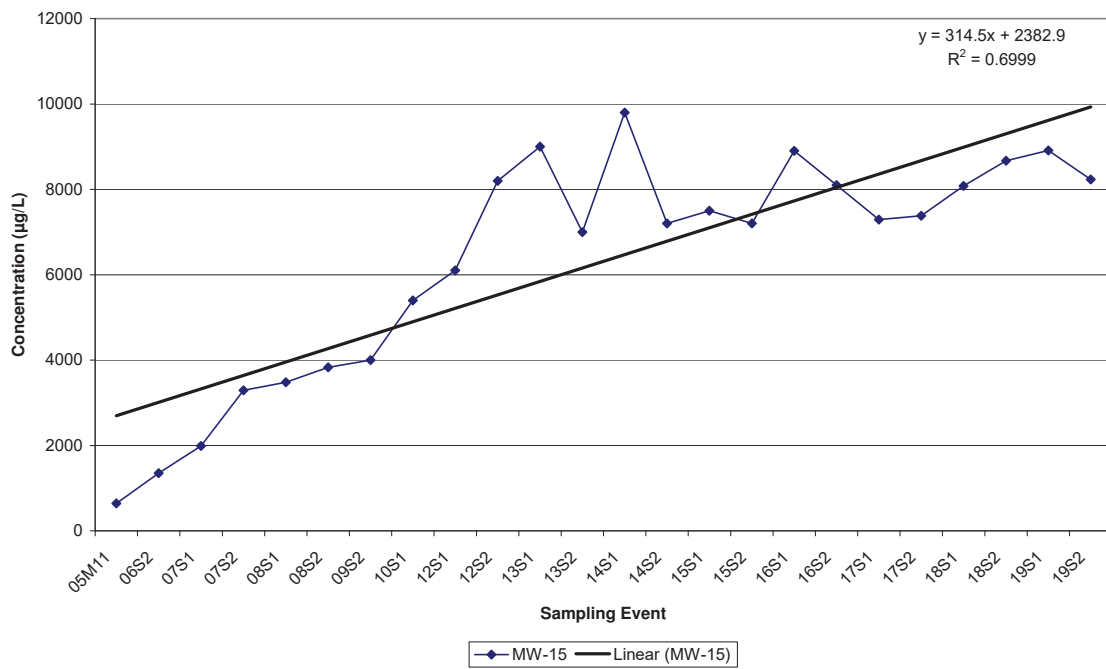
**Citrus County Central Landfill  
Historic Iron in MW-13**



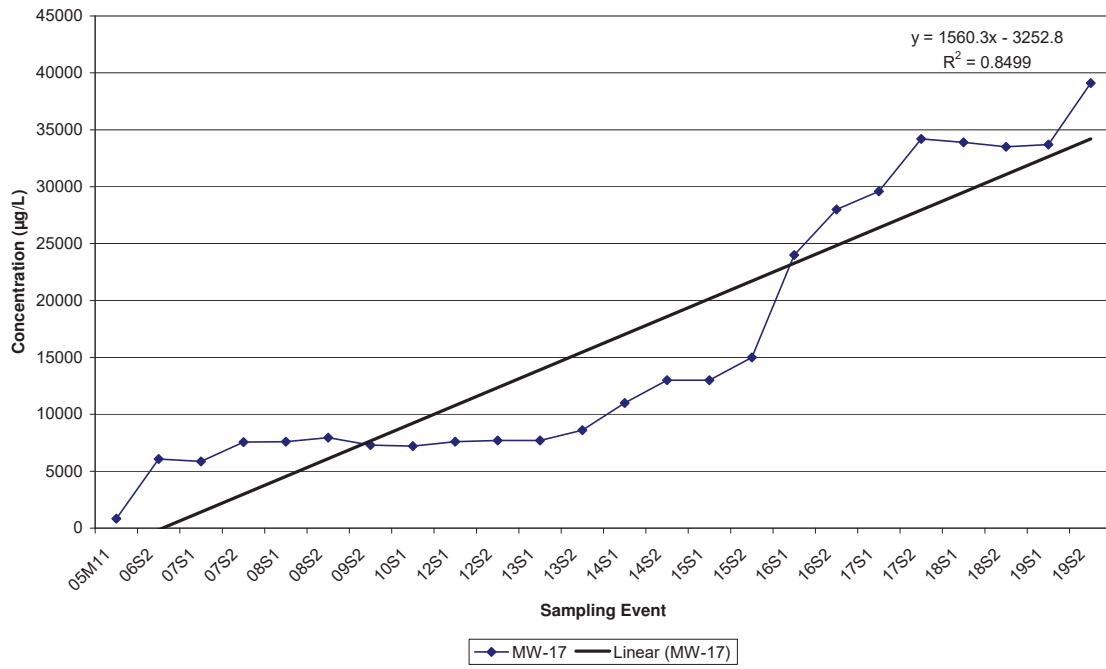
**Citrus County Central Landfill  
Historic Iron in MW-14**



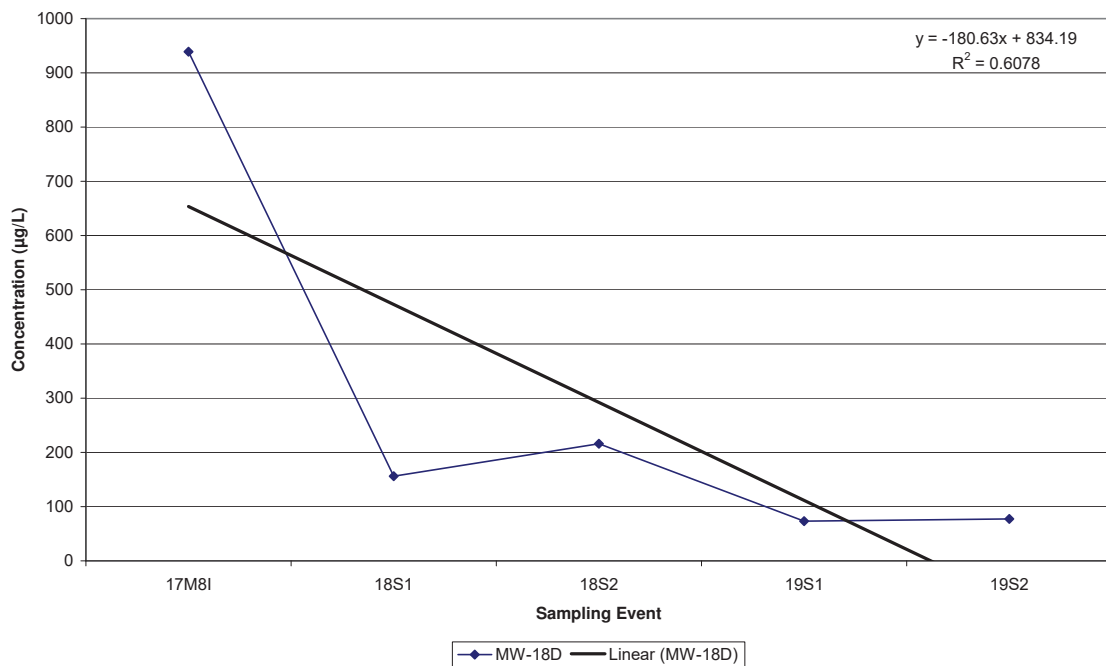
**Citrus County Central Landfill  
Historic Iron in MW-15**



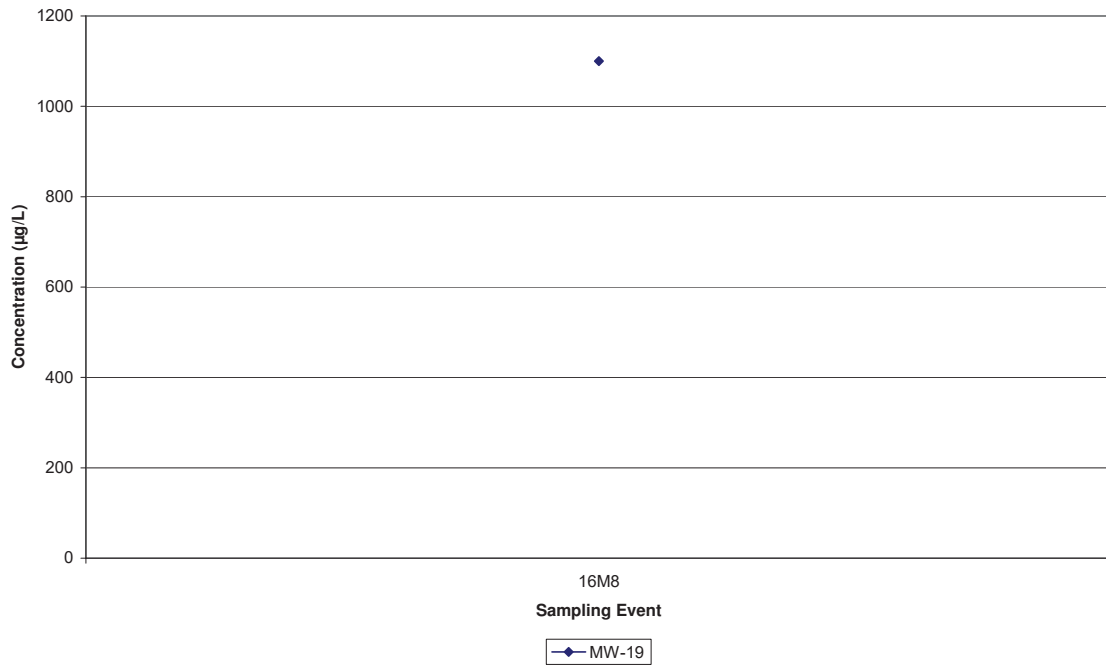
**Citrus County Central Landfill  
Historic Iron in MW-17**



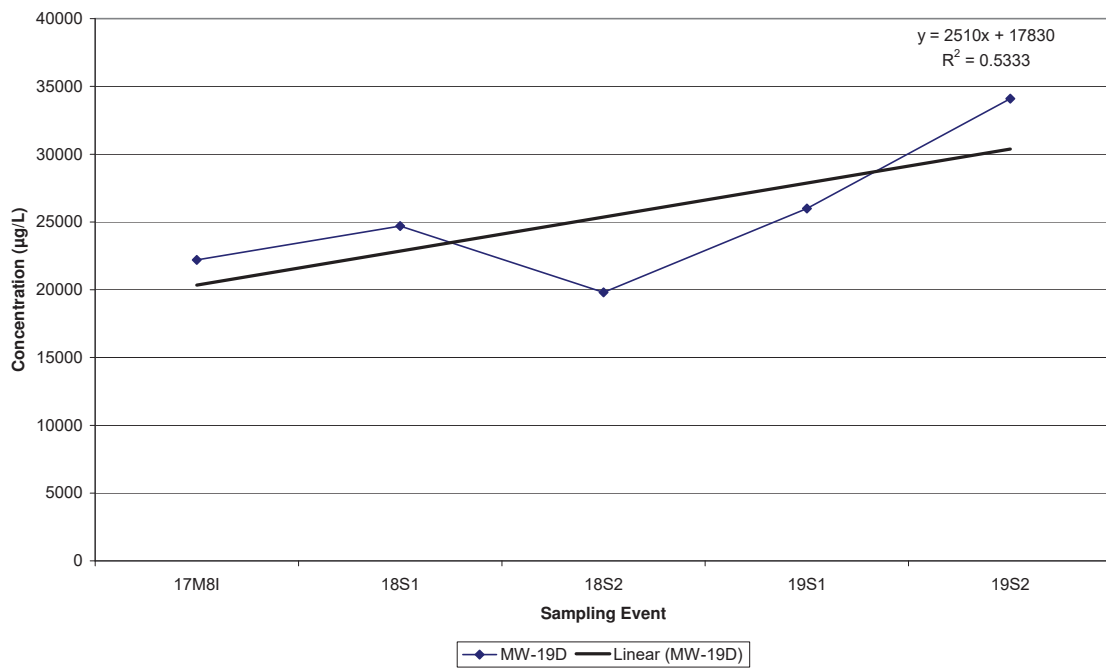
**Citrus County Central Landfill  
Historic Iron in MW-18D**



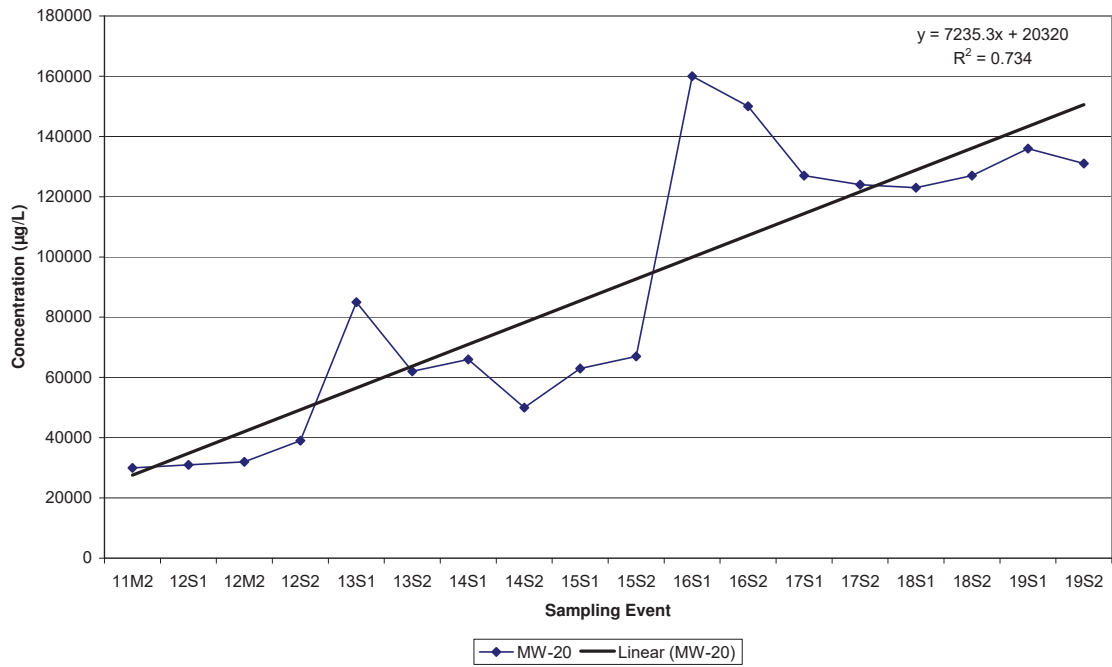
Citrus County Central Landfill  
Historic Iron in MW-19



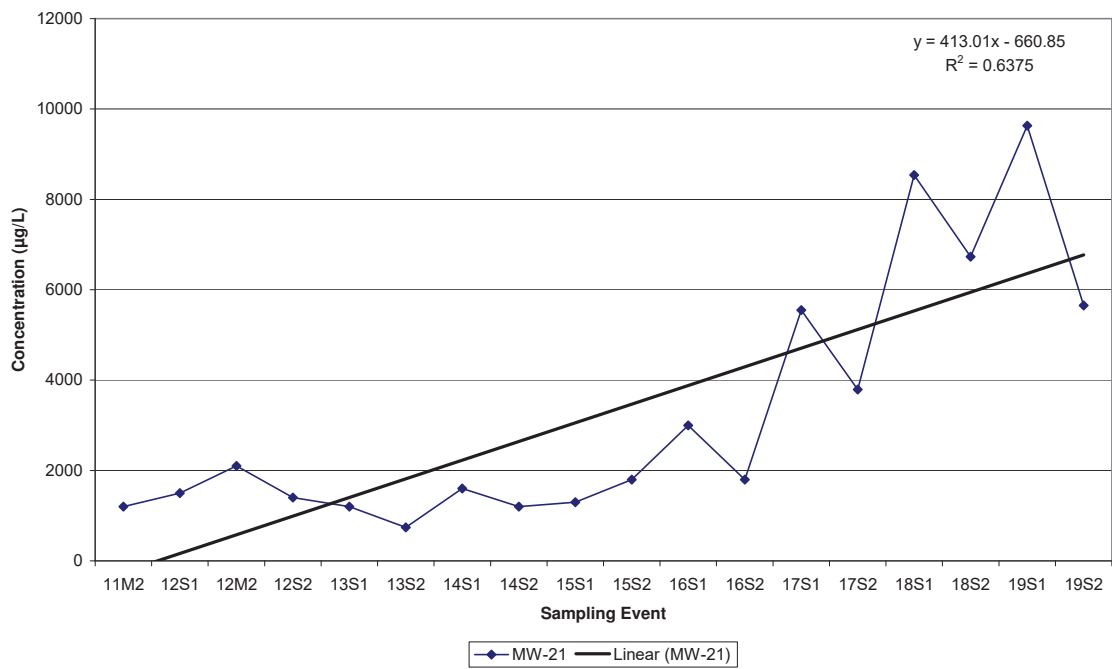
Citrus County Central Landfill  
Historic Iron in MW-19D



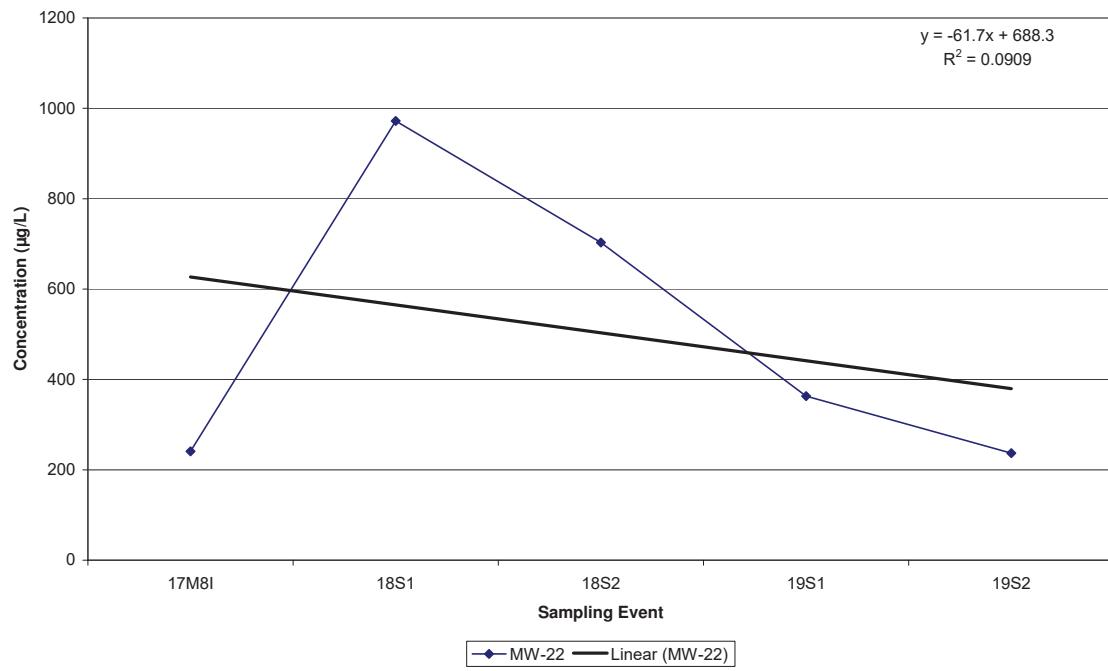
**Citrus County Central Landfill  
Historic Iron in MW-20**



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

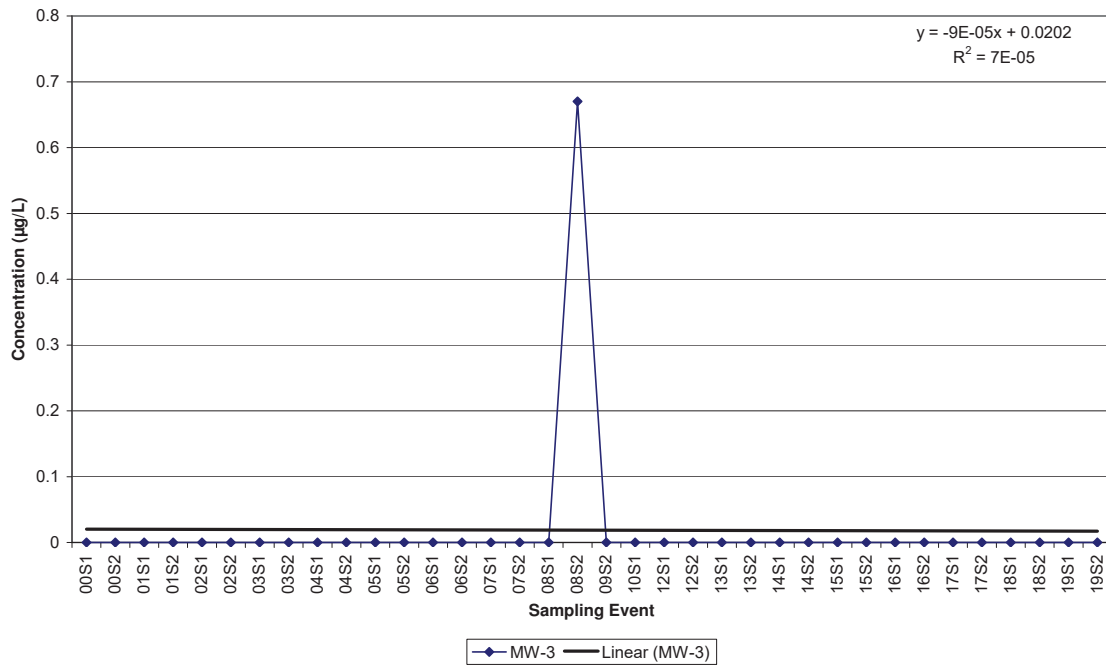


Citrus County Central Landfill  
Historic Iron in MW-22

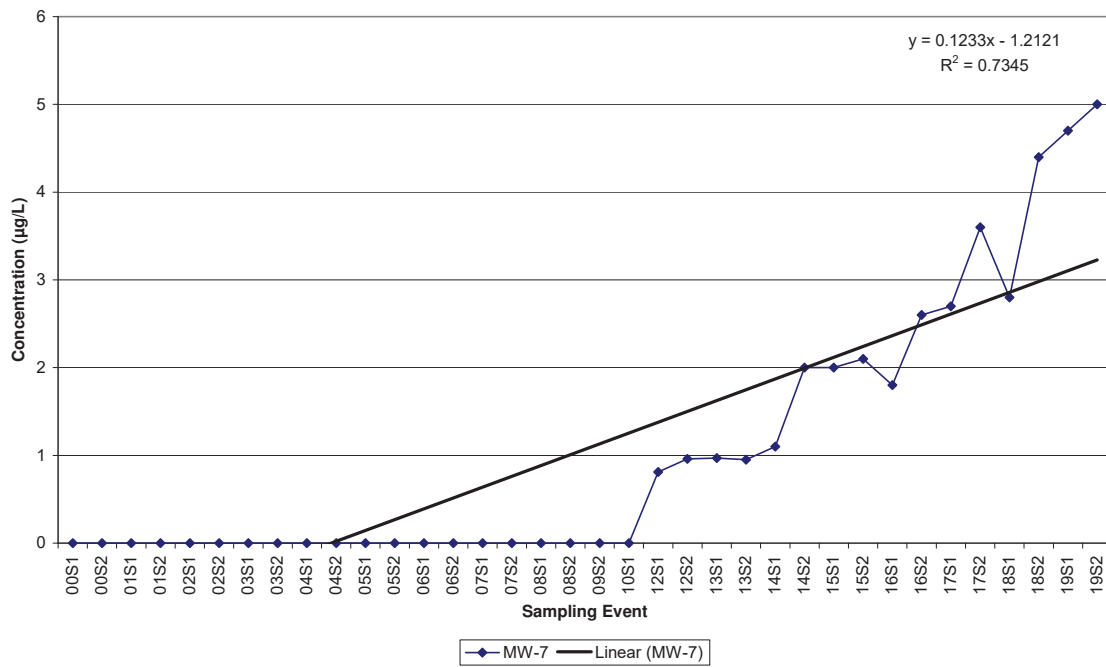


**Citrus County Central Landfill  
Historical Benzene Data**

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

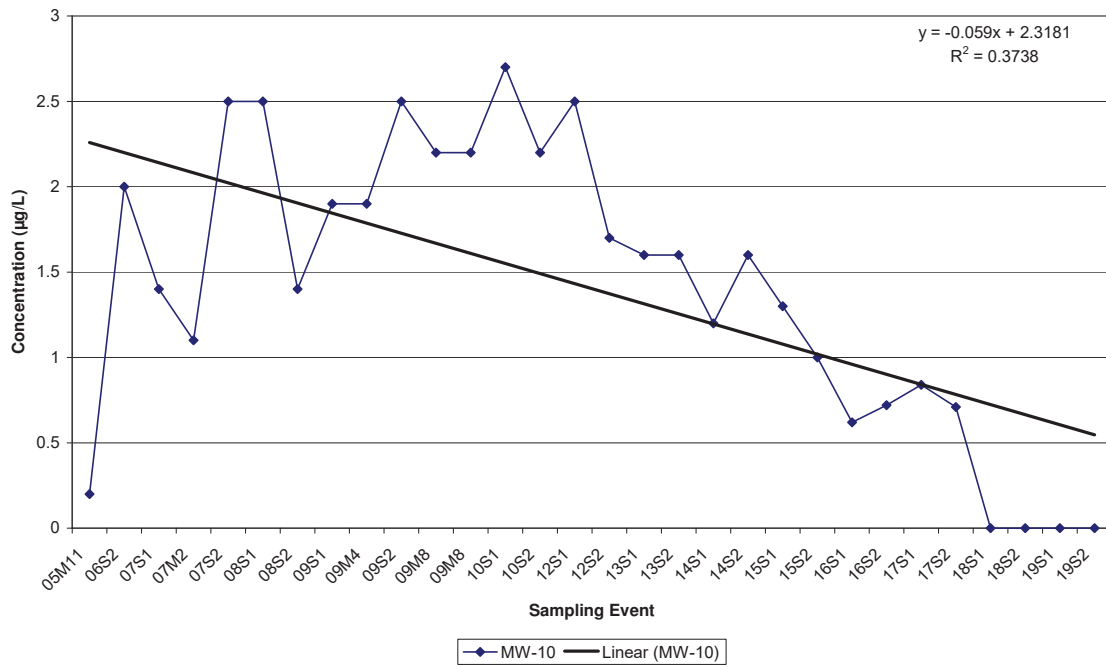


**Citrus County Central Landfill  
Historic Benzene in MW-7**

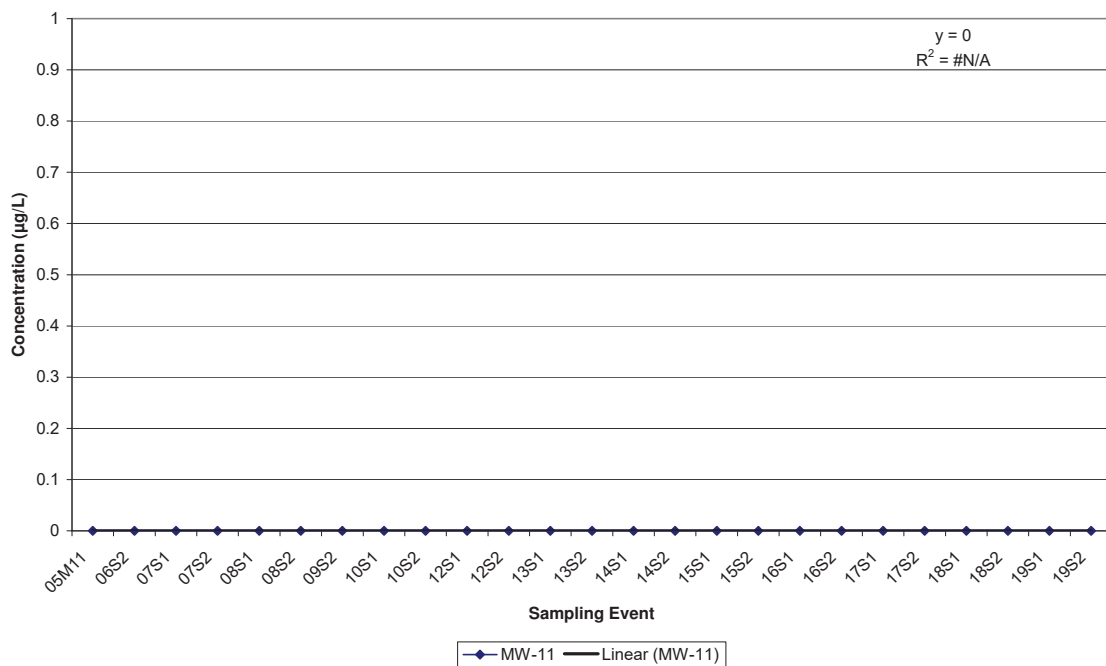




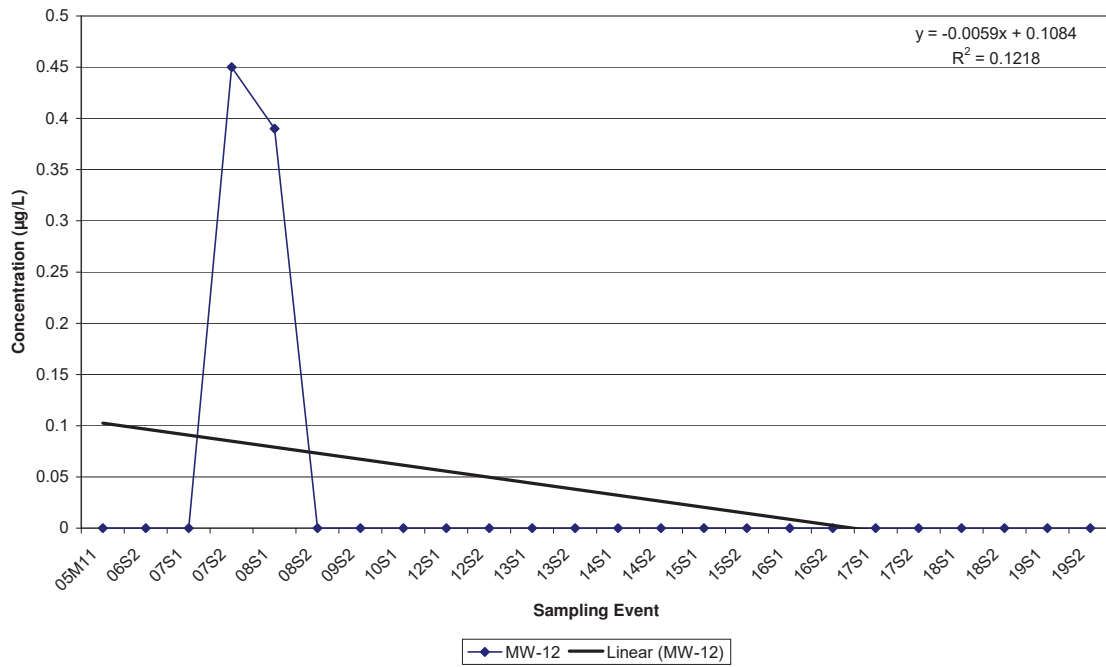
**Citrus County Central Landfill  
Historic Benzene in MW-10**



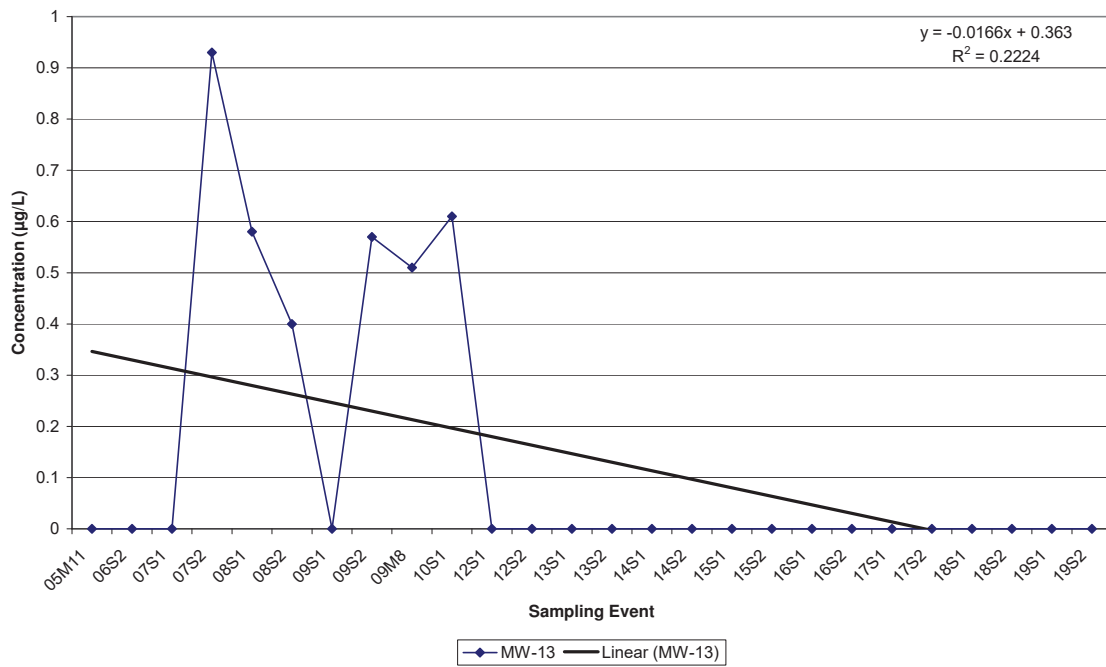
**Citrus County Central Landfill  
Historic Benzene in MW-11**



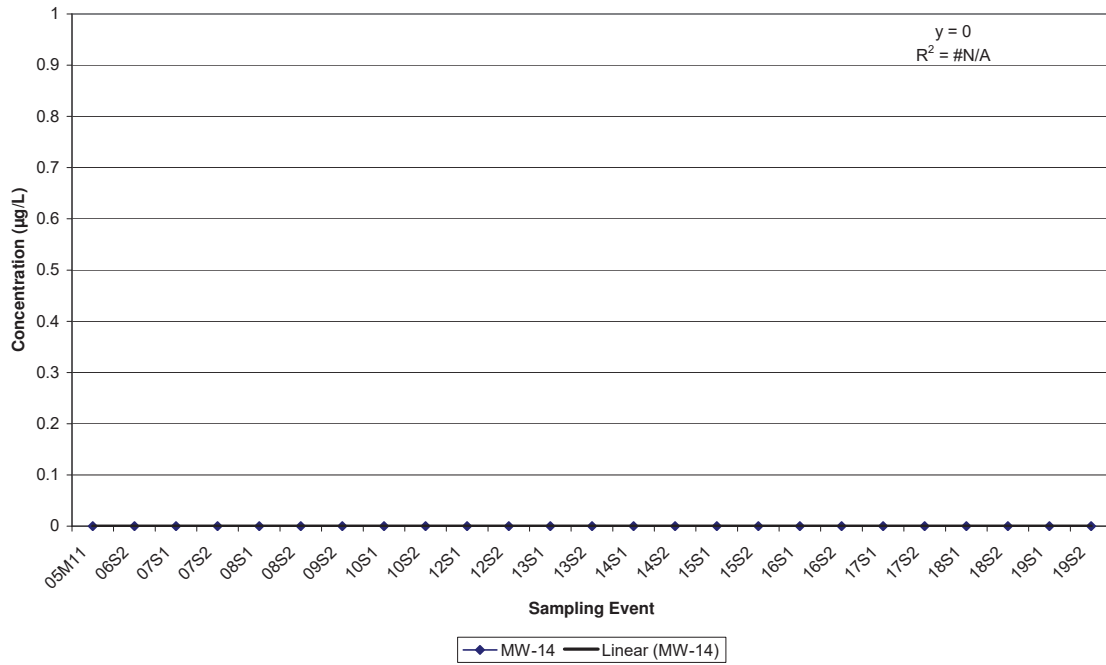
**Citrus County Central Landfill  
Historic Benzene in MW-12**



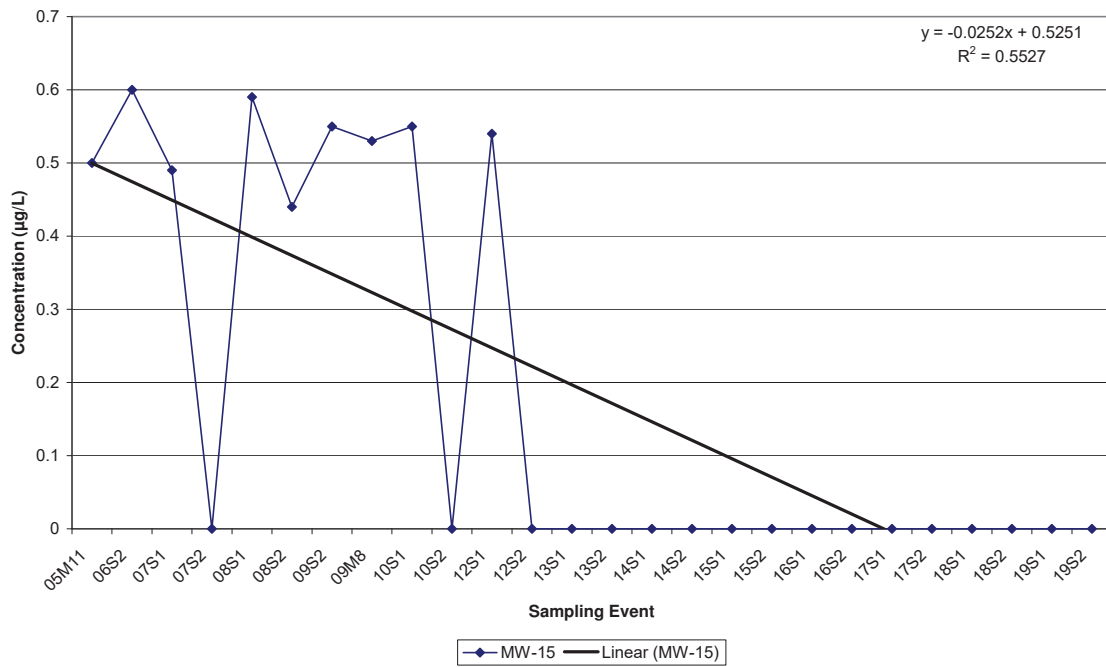
**Citrus County Central Landfill  
Historic Benzene in MW-13**



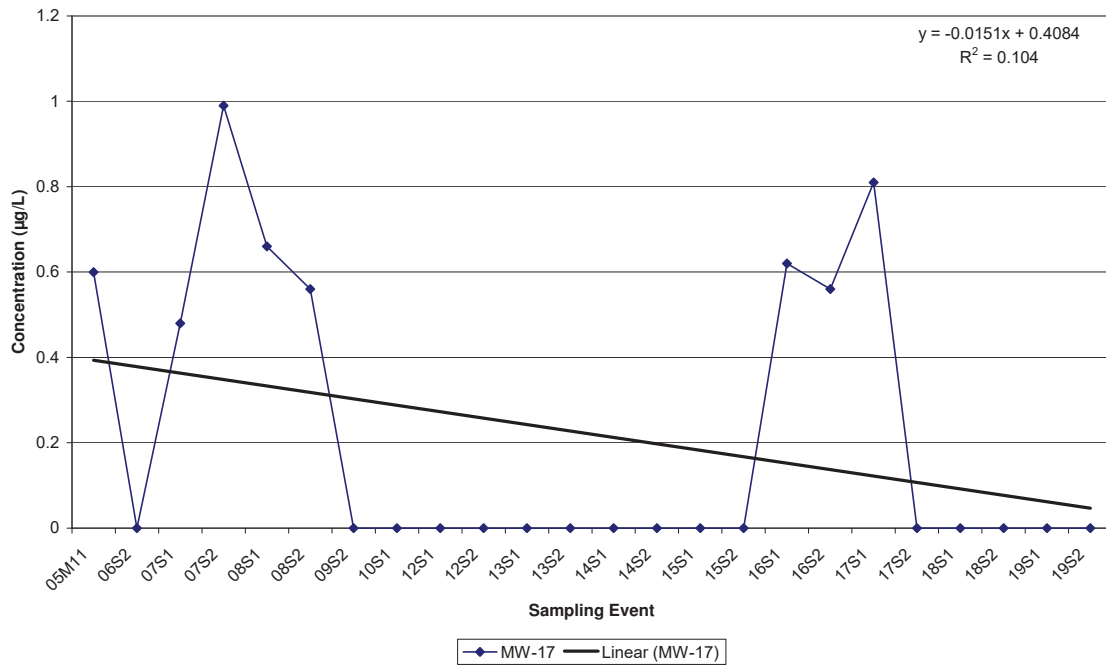
**Citrus County Central Landfill  
Historic Benzene in MW-14**



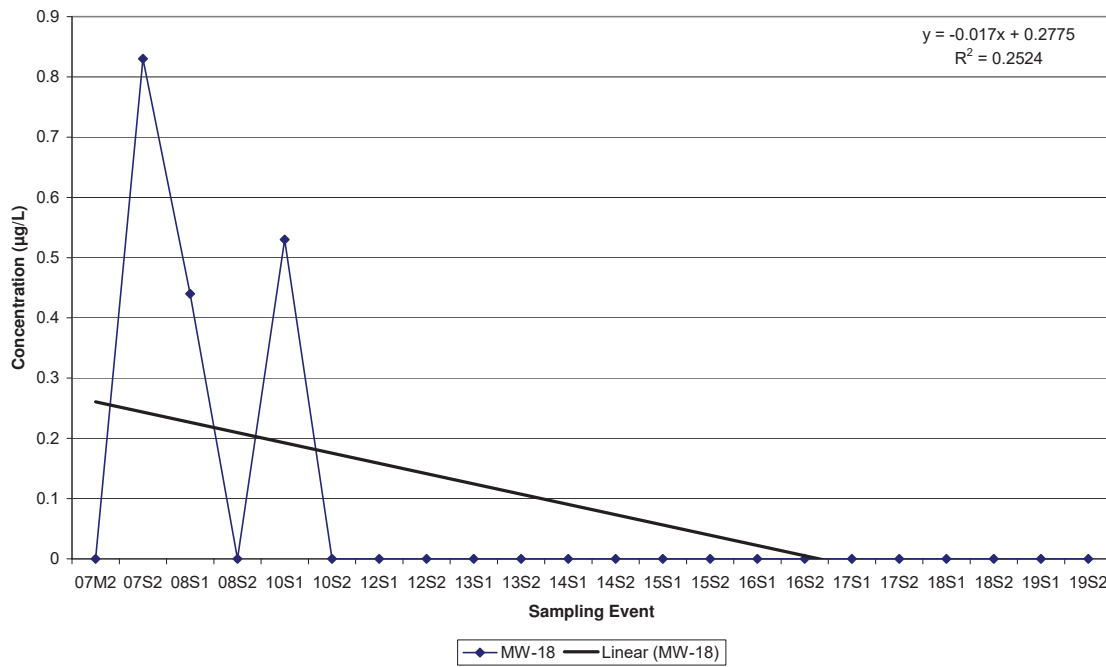
**Citrus County Central Landfill  
Historic Benzene in MW-15**



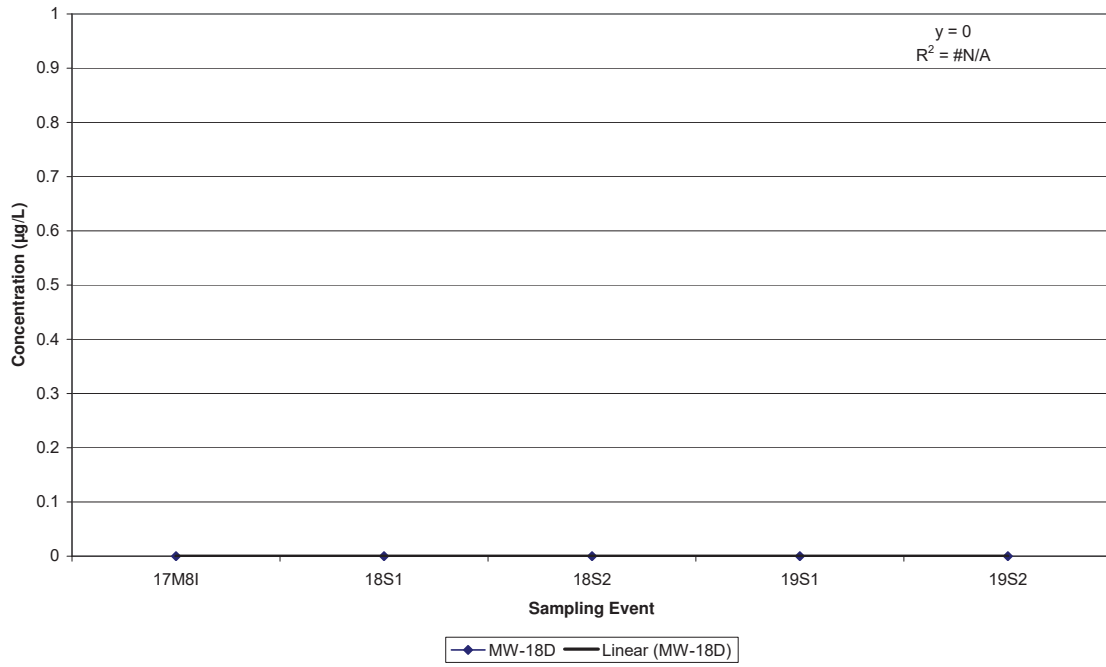
**Citrus County Central Landfill  
Historic Benzene in MW-17**



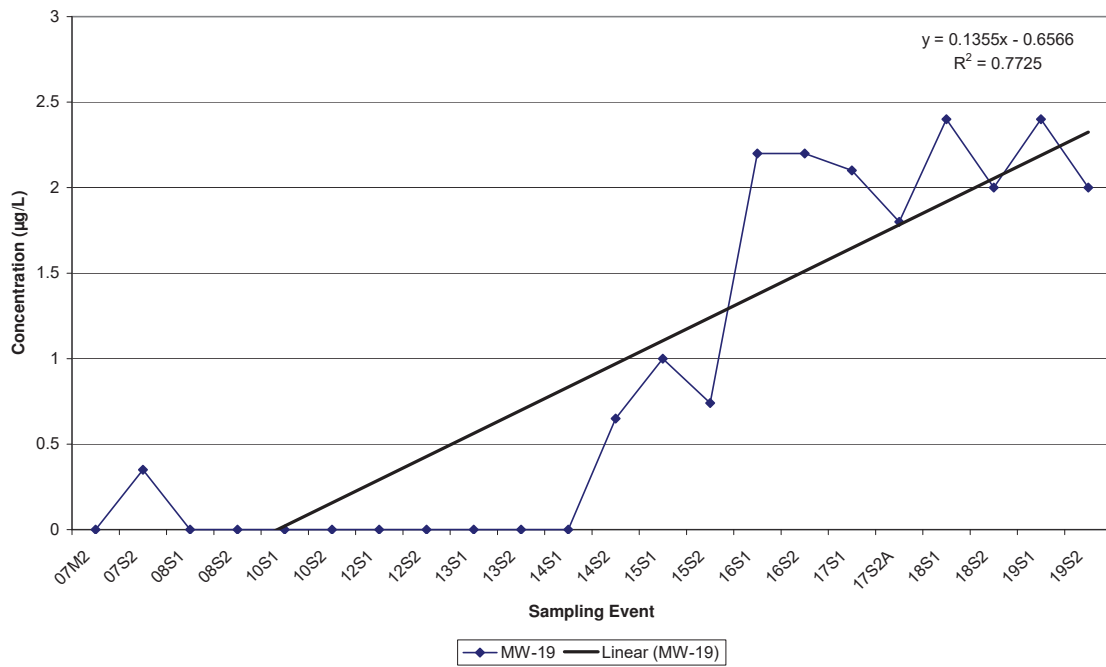
**Citrus County Central Landfill  
Historic Benzene in MW-18**



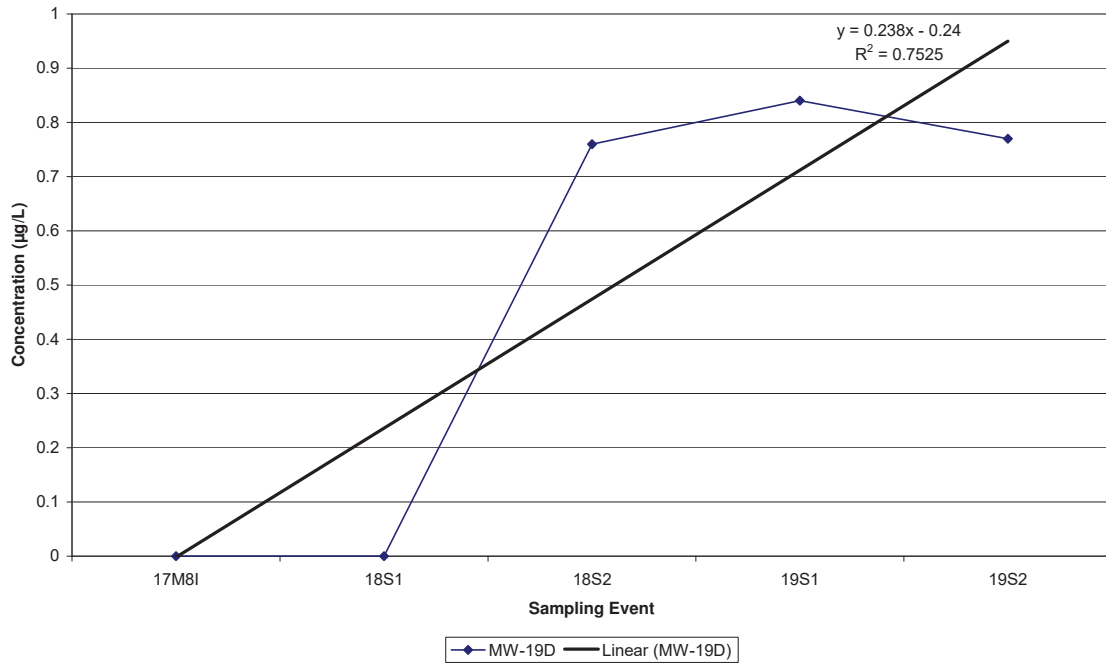
Citrus County Central Landfill  
Historic Benzene in MW-18D



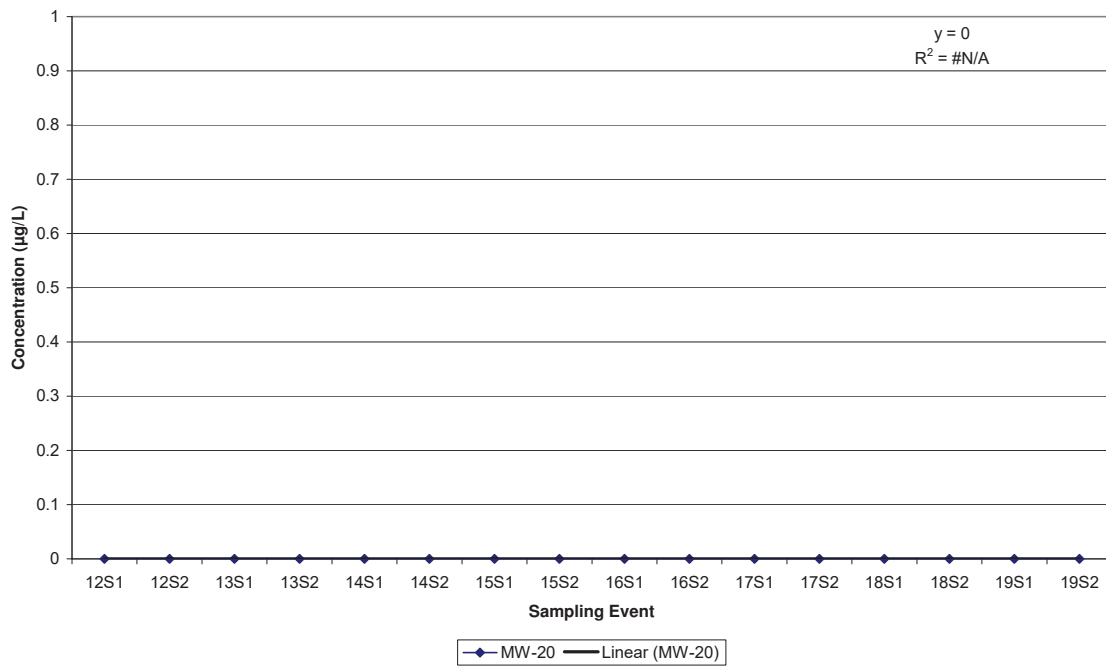
Citrus County Central Landfill  
Historic Benzene in MW-19



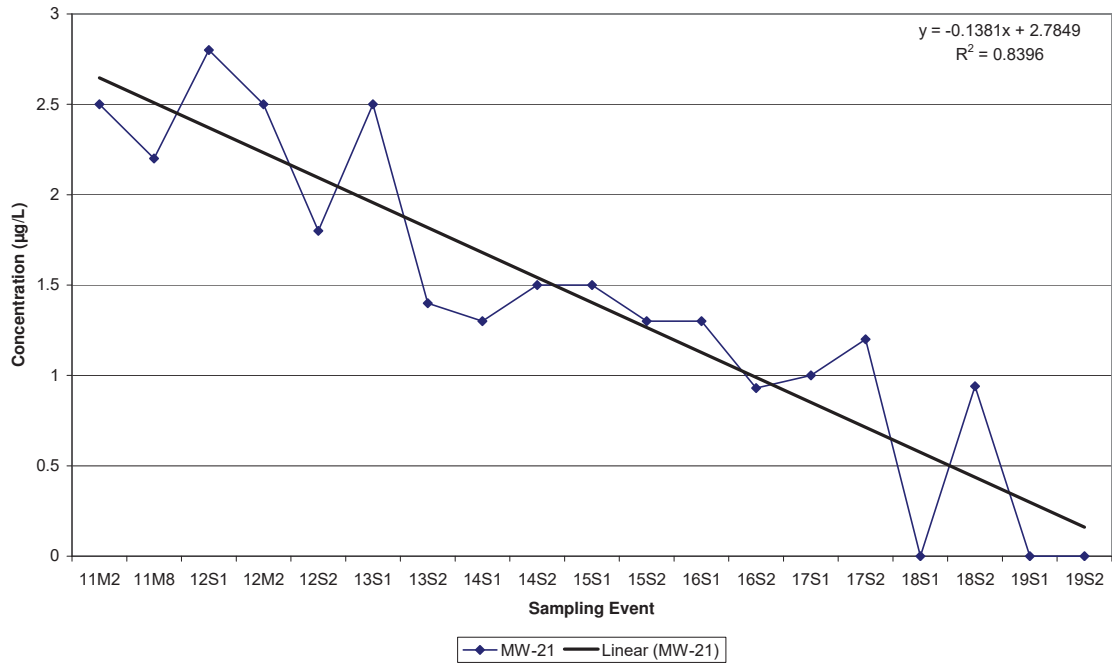
Citrus County Central Landfill  
Historic Benzene in MW-19D



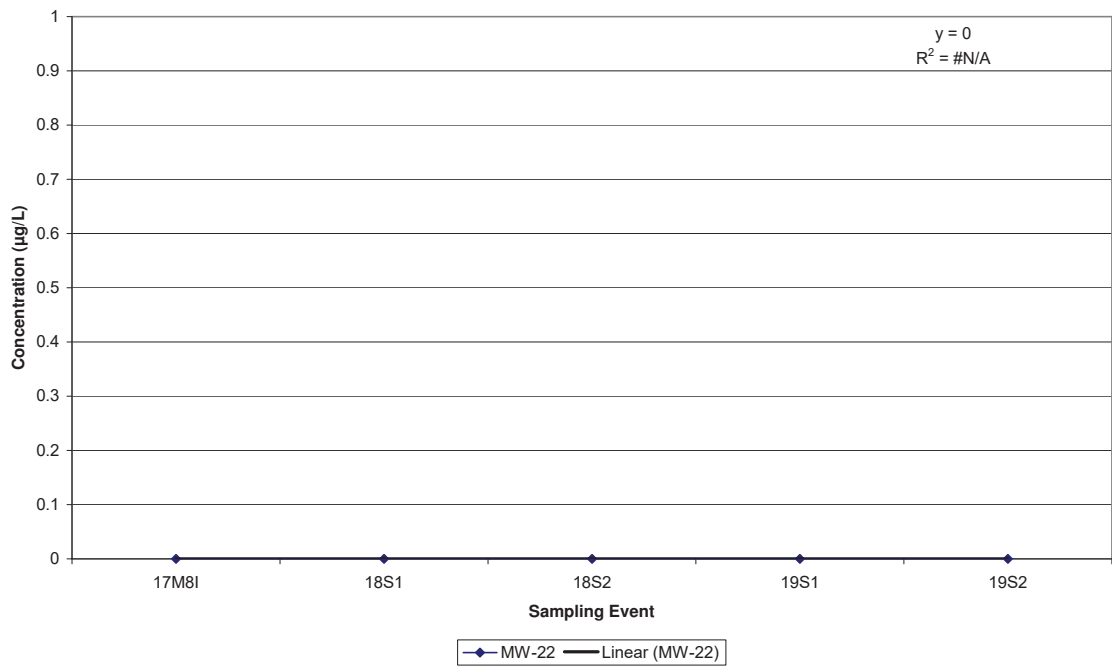
Citrus County Central Landfill  
Historic Benzene in MW-20



Citrus County Central Landfill  
Historic Benzene in MW-21



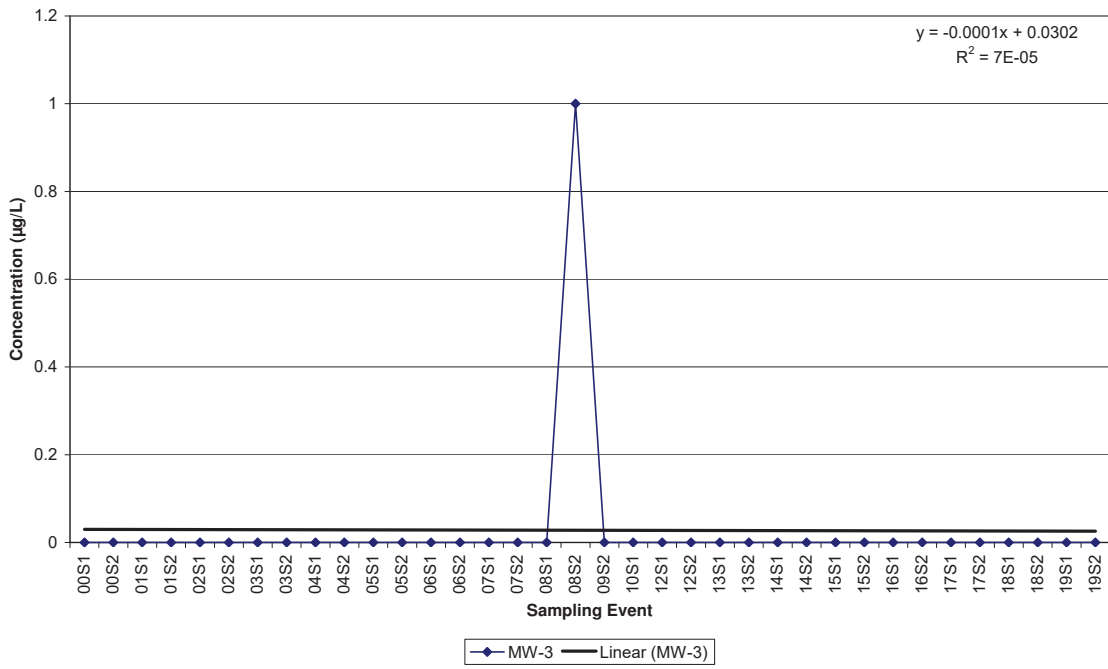
Citrus County Central Landfill  
Historic Benzene in MW-22



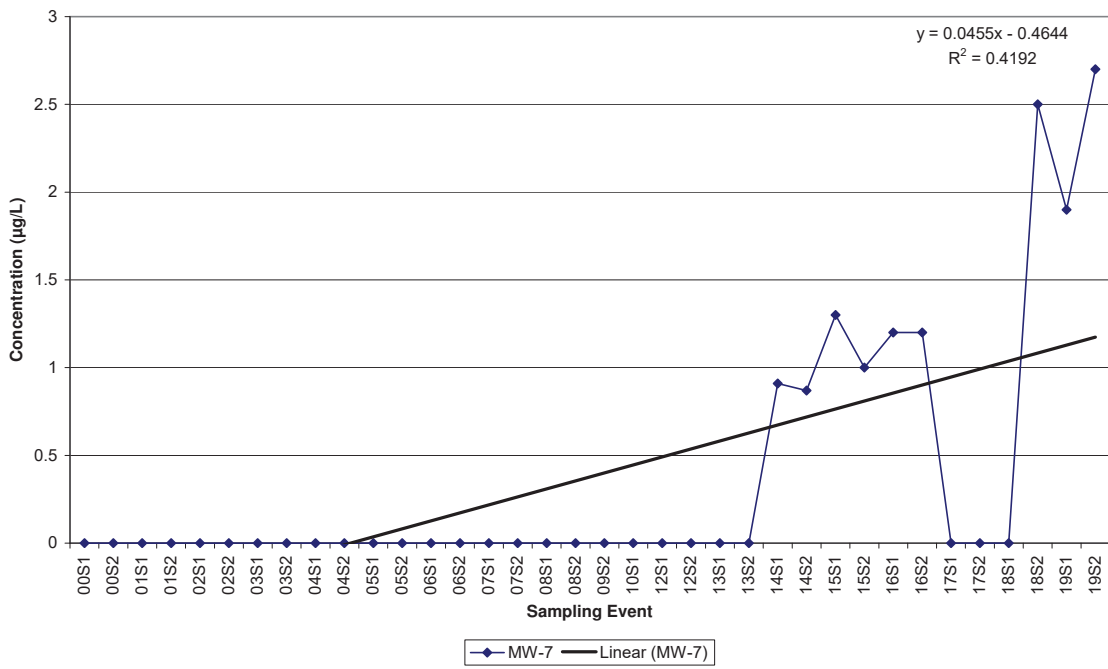
**Citrus County Central Landfill  
Historical Chlorobenzene Data**



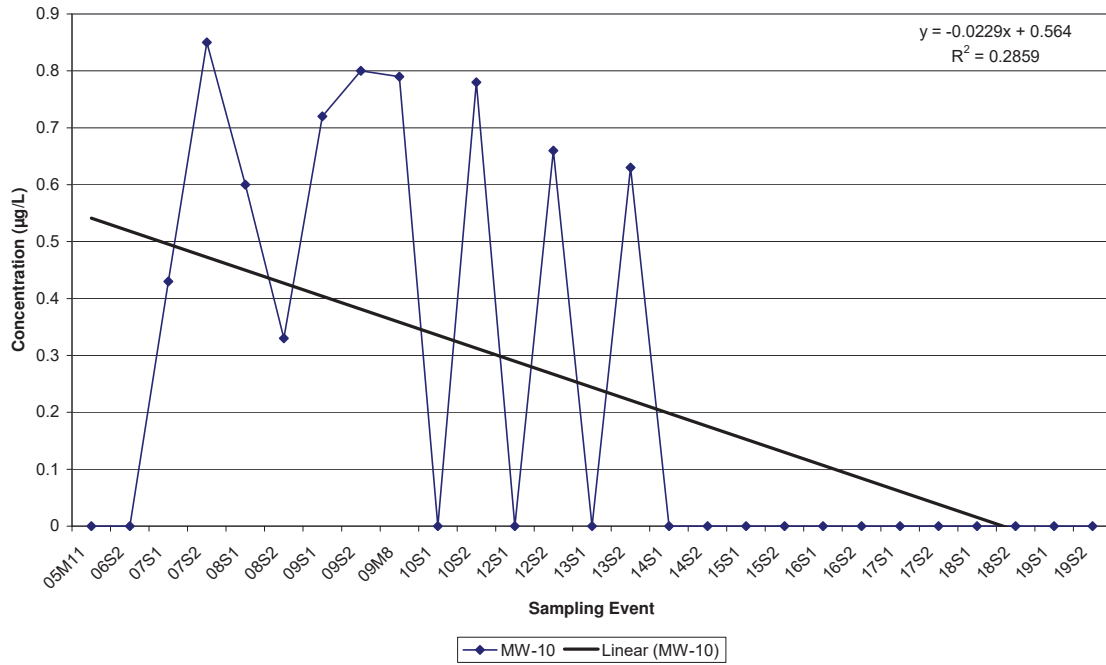
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-3**



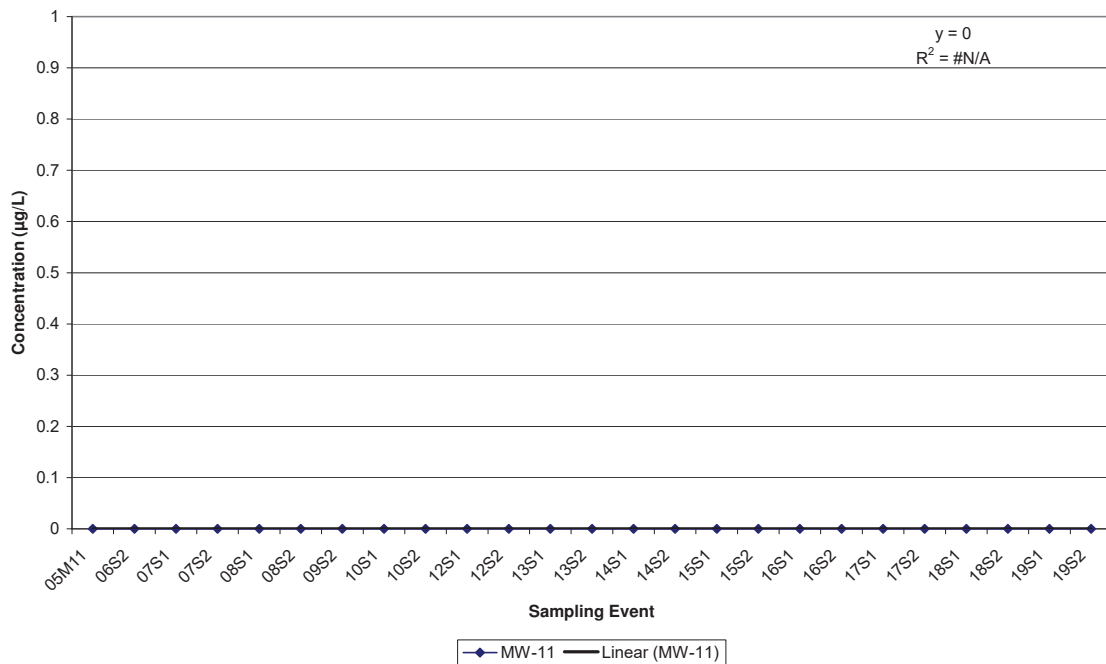
**Citrus County Central Landfill  
Historic Chlorobenzene in MW-7**



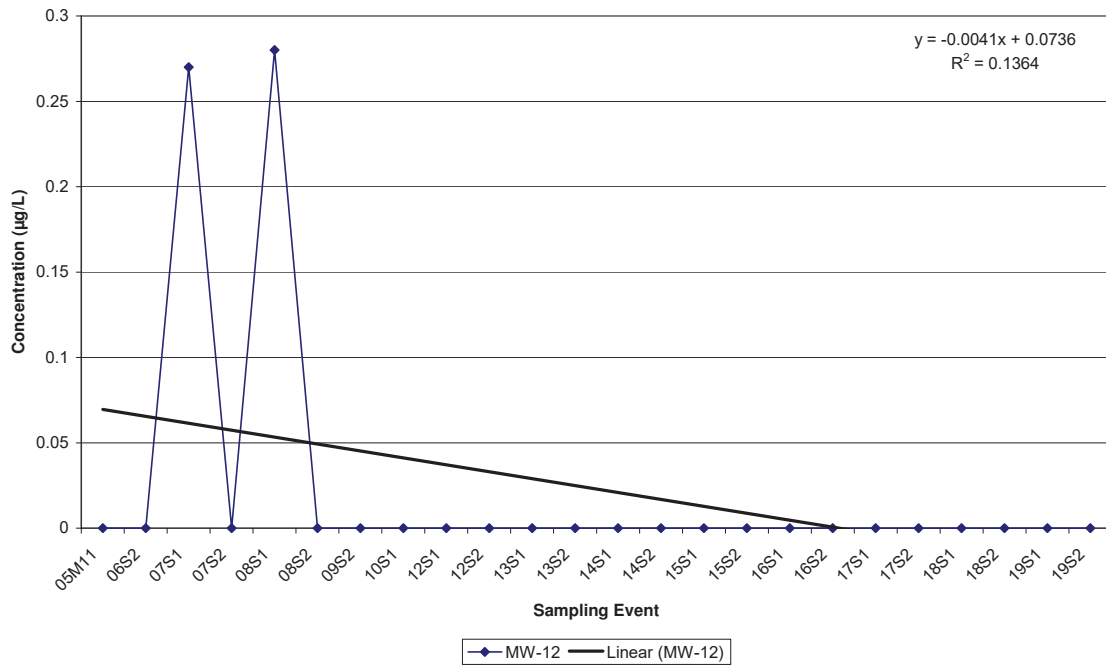
Citrus County Central Landfill  
Historic Chlorobenzene in MW-10



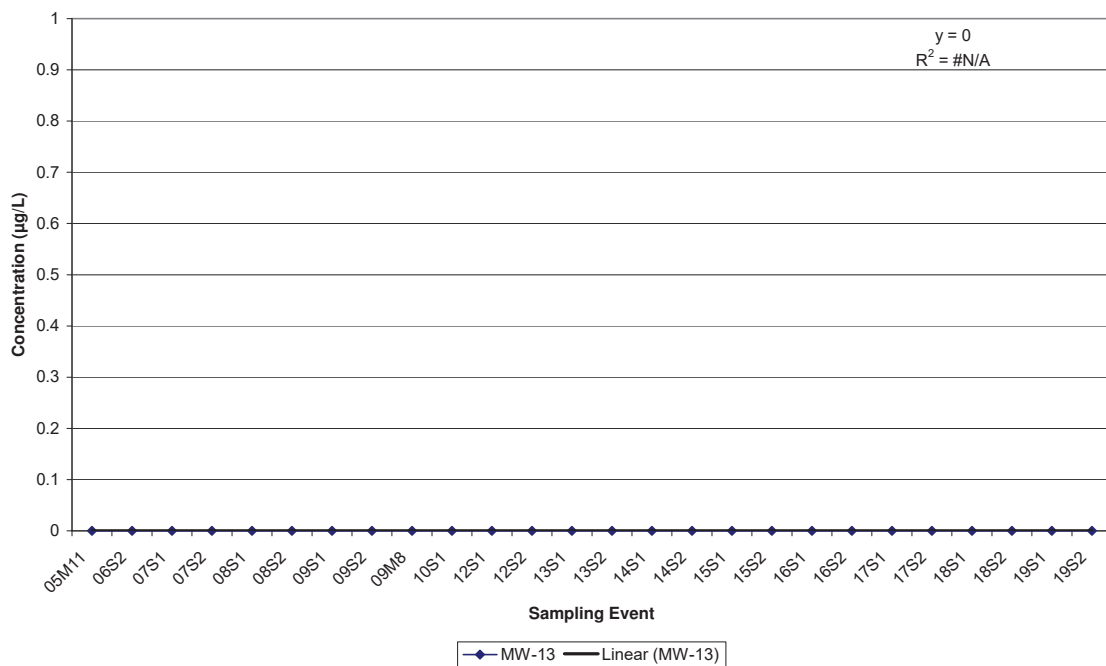
Citrus County Central Landfill  
Historic Chlorobenzene in MW-11



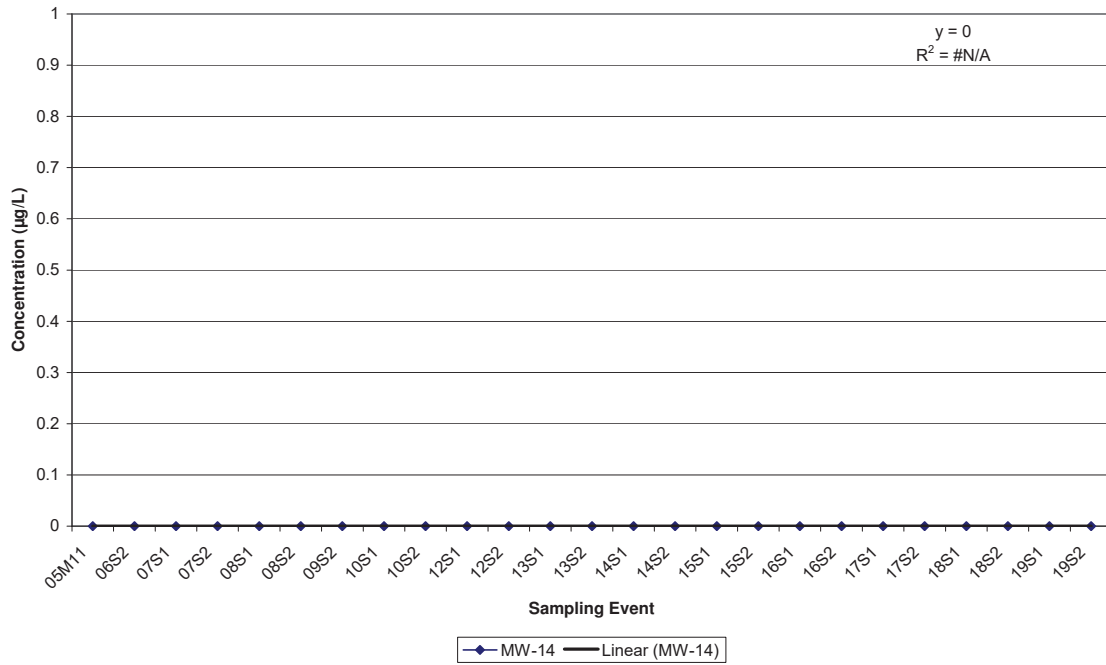
Citrus County Central Landfill  
Historic Chlorobenzene in MW-12



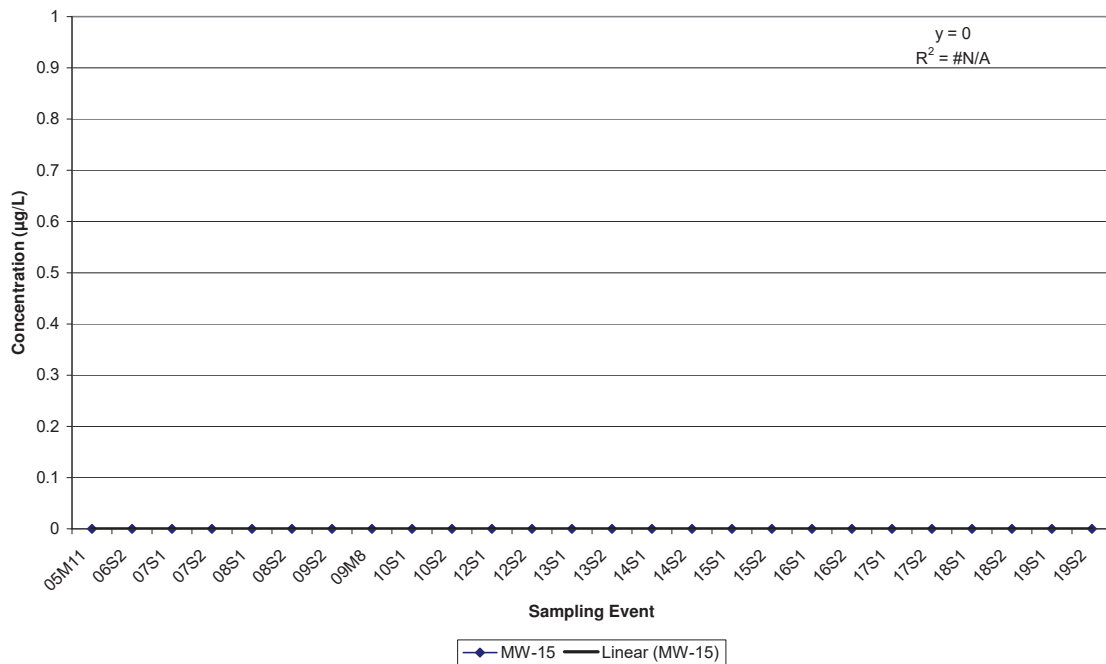
Citrus County Central Landfill  
Historic Chlorobenzene in MW-13



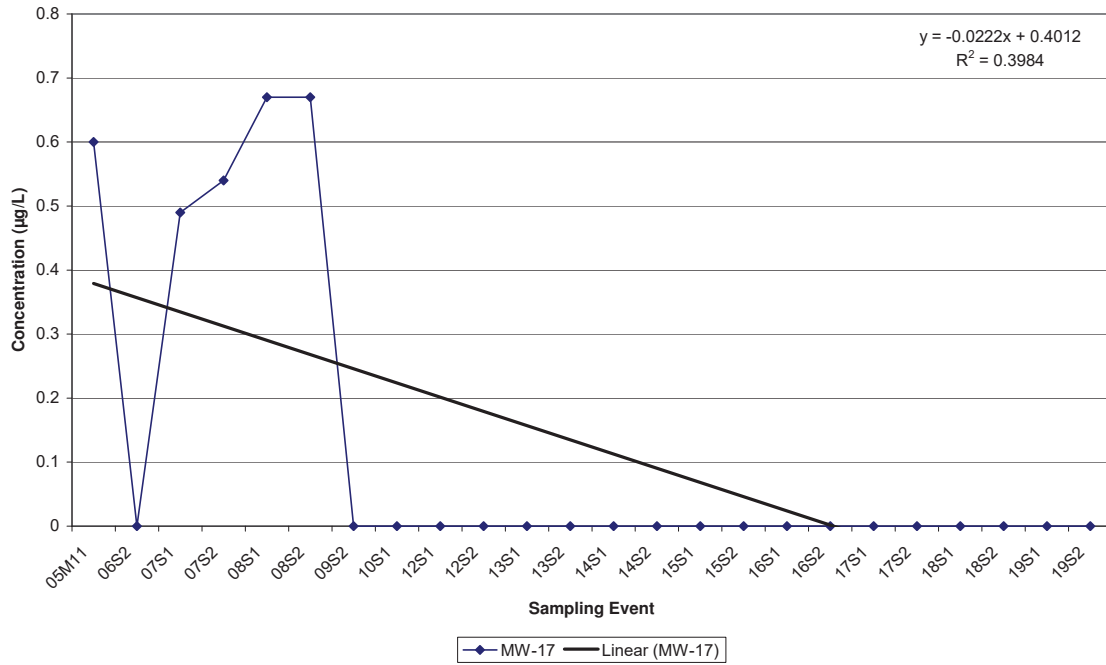
Citrus County Central Landfill  
Historic Chlorobenzene in MW-14



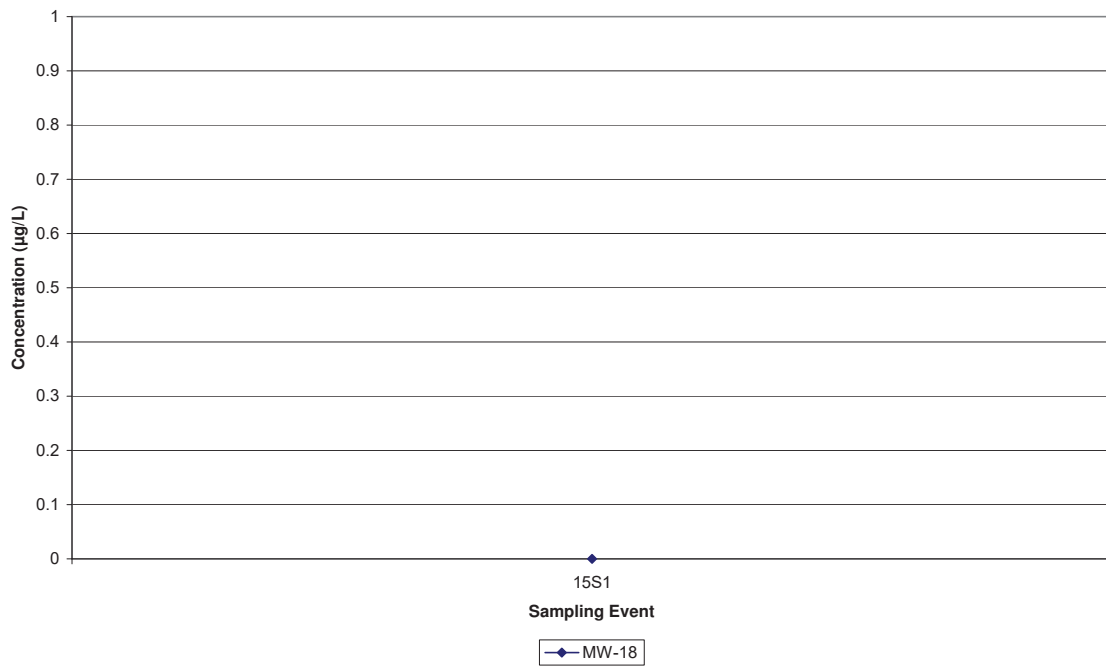
Citrus County Central Landfill  
Historic Chlorobenzene in MW-15



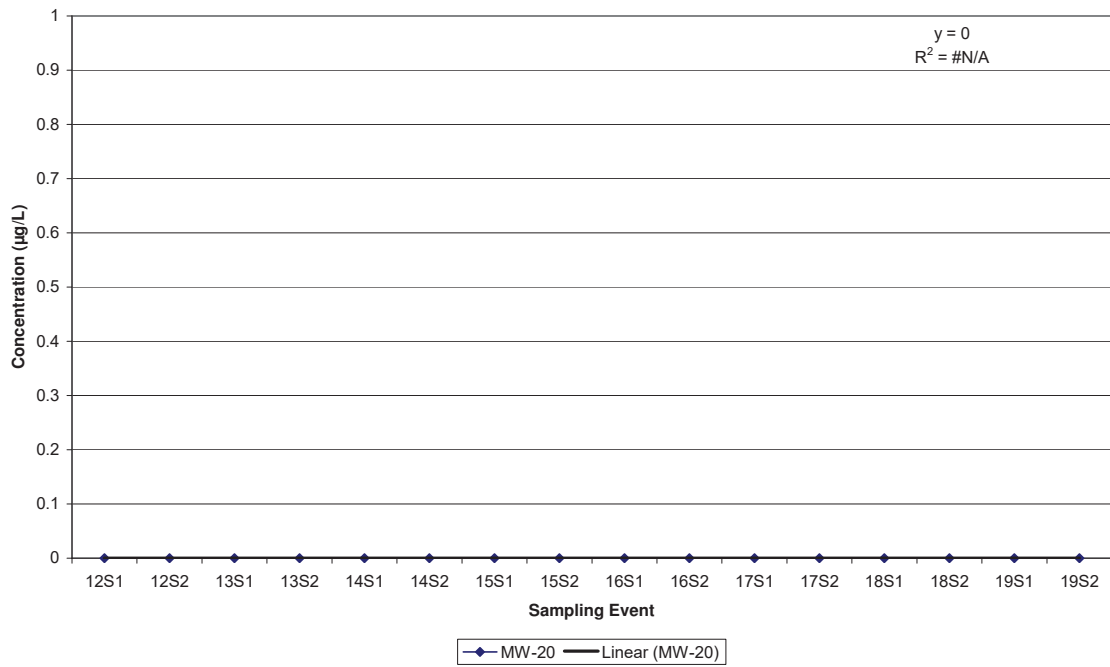
Citrus County Central Landfill  
Historic Chlorobenzene in MW-17



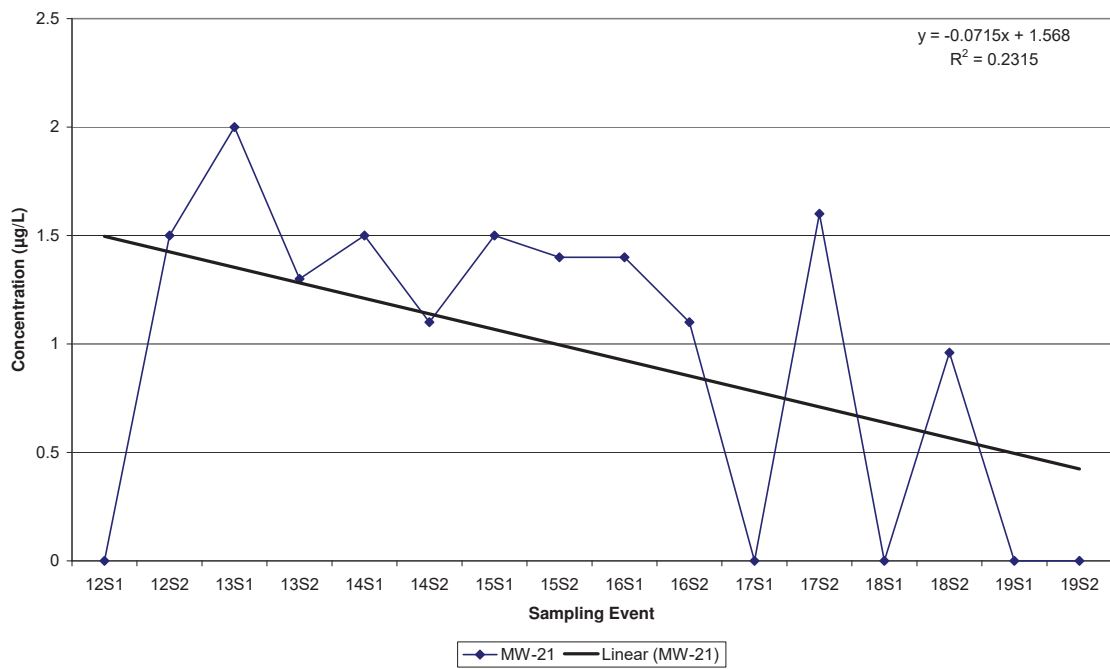
Citrus County Central Landfill  
Historic Chlorobenzene in MW-18



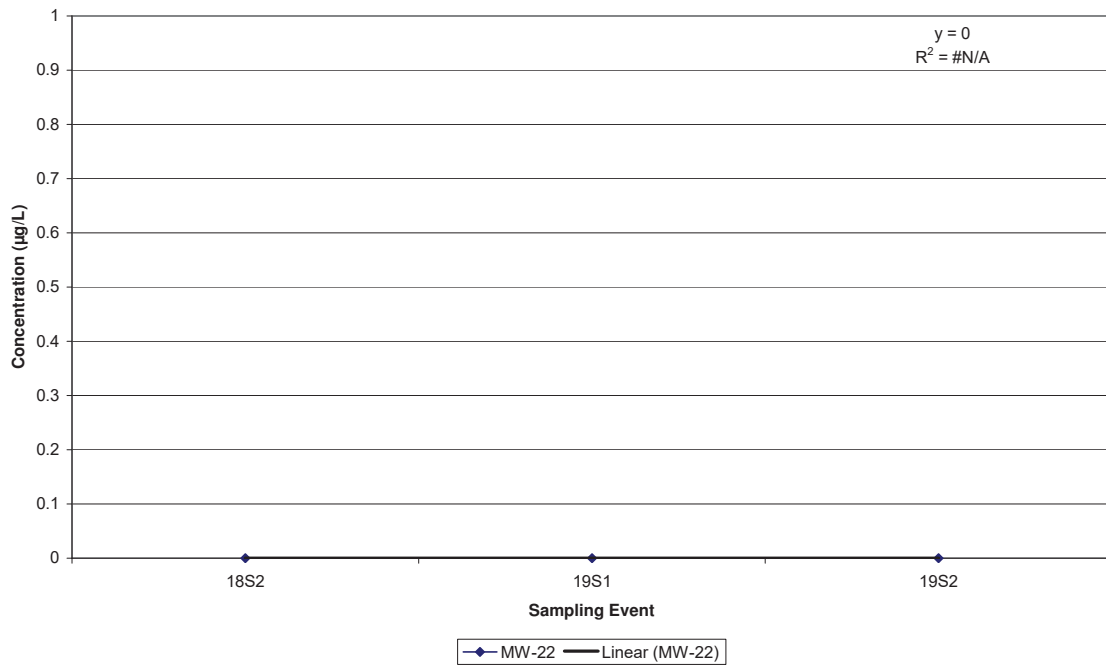
Citrus County Central Landfill  
Historic Chlorobenzene in MW-20



Citrus County Central Landfill  
Historic Chlorobenzene in MW-21



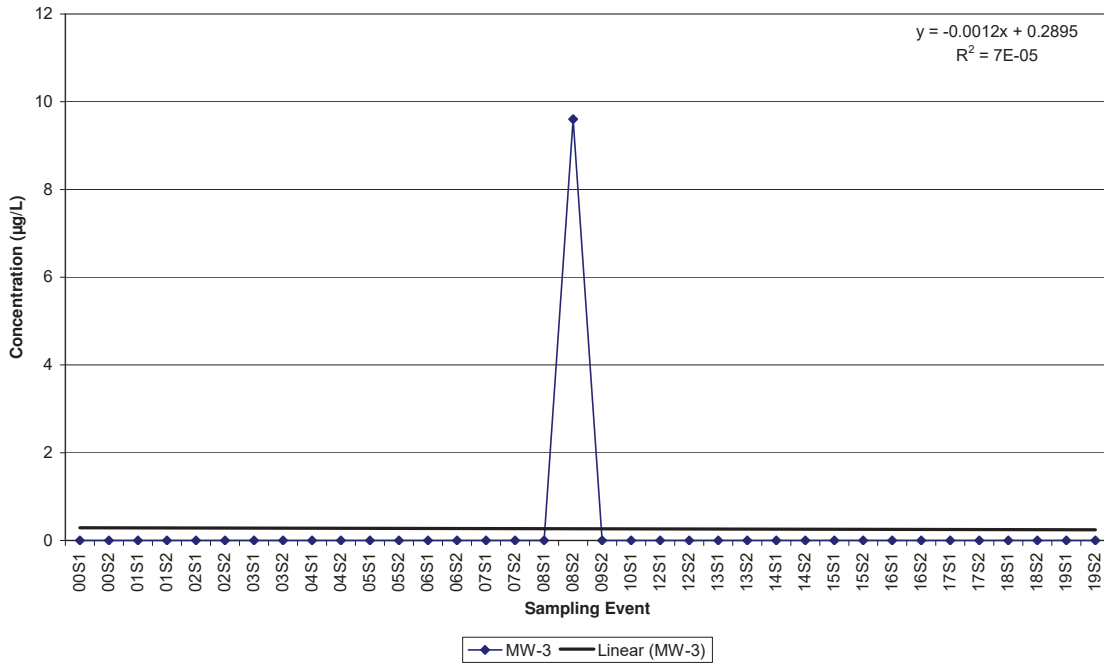
Citrus County Central Landfill  
Historic Chlorobenzene in MW-22



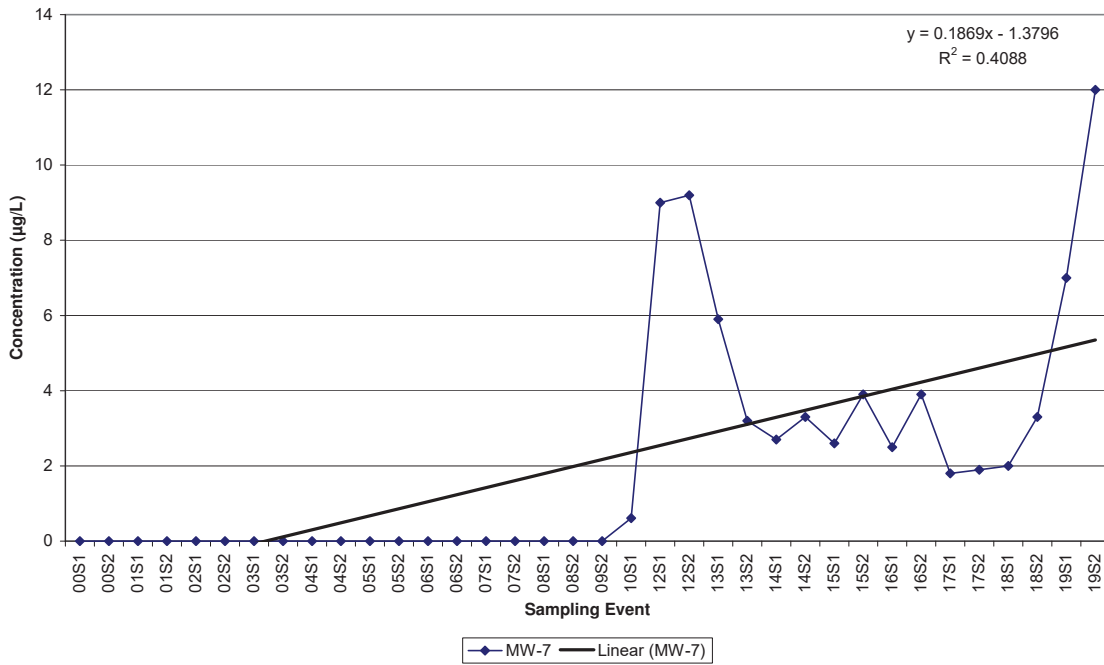
**Citrus County Central Landfill  
Historical Ethylbenzene Data**



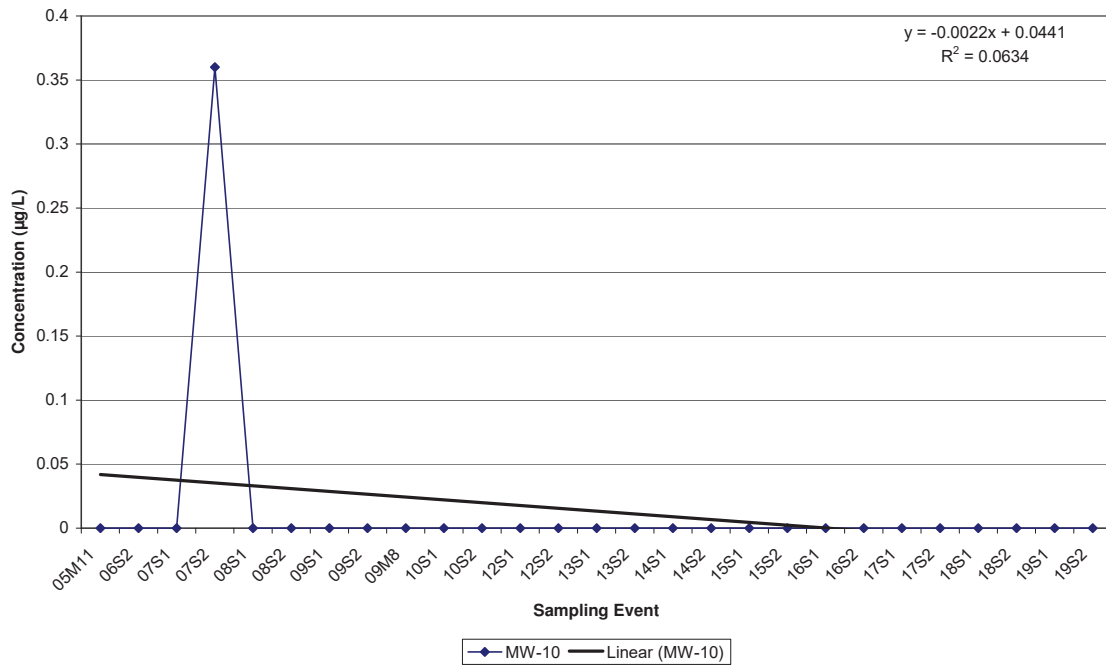
**Citrus County Central Landfill  
Historic Ethylbenzene in MW-3**



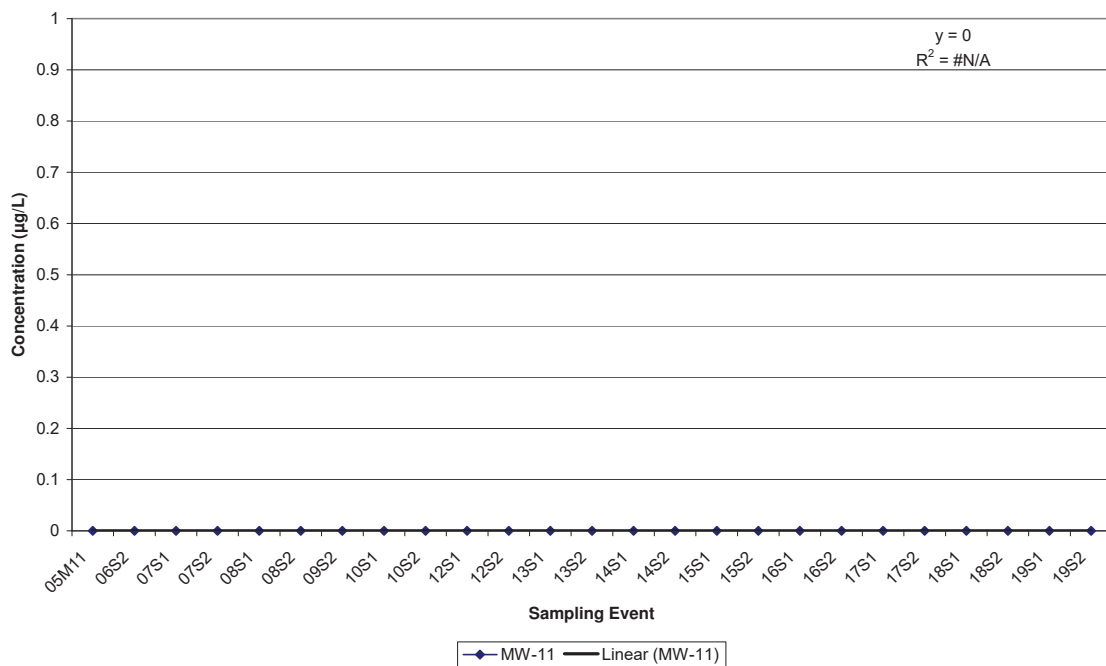
**Citrus County Central Landfill  
Historic Ethylbenzene in MW-7**



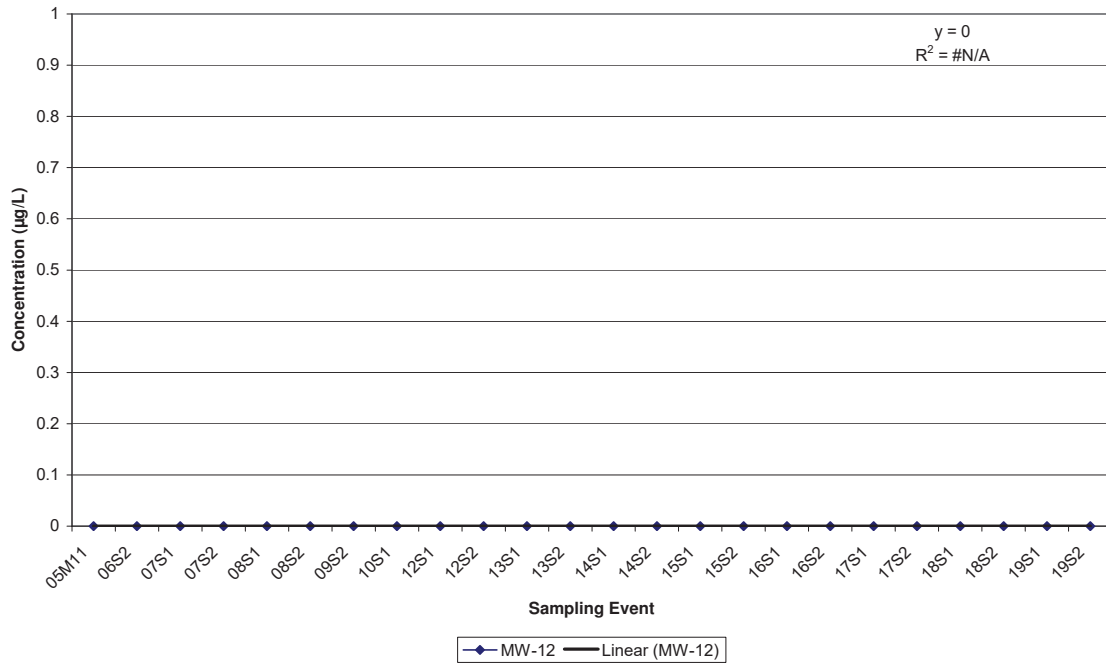
Citrus County Central Landfill  
Historic Ethylbenzene in MW-10



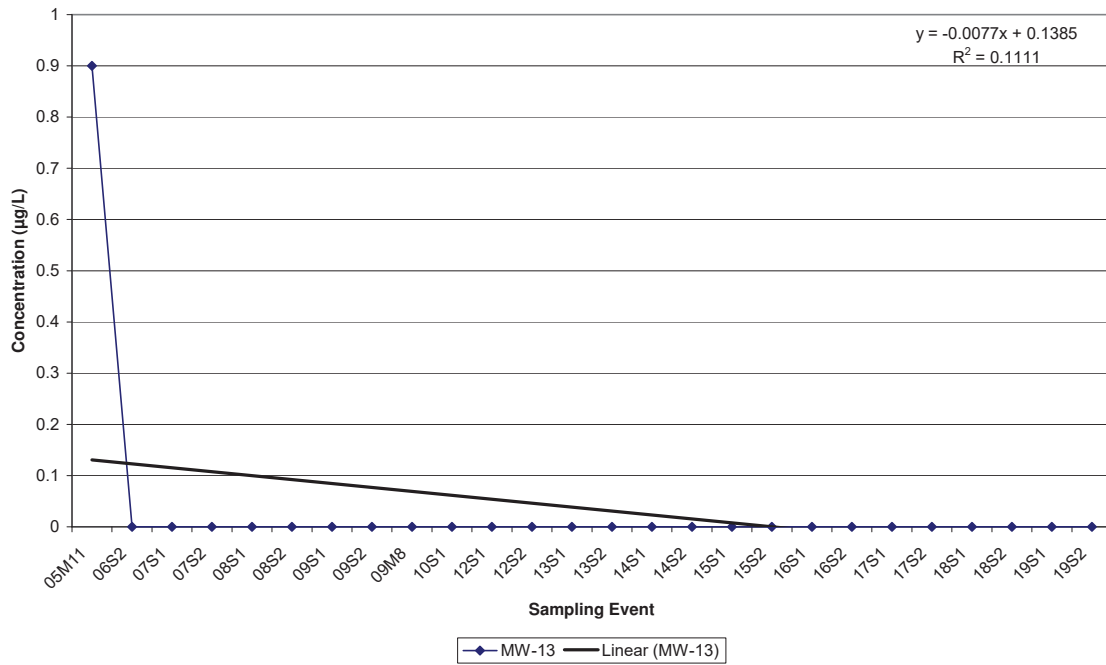
Citrus County Central Landfill  
Historic Ethylbenzene in MW-11



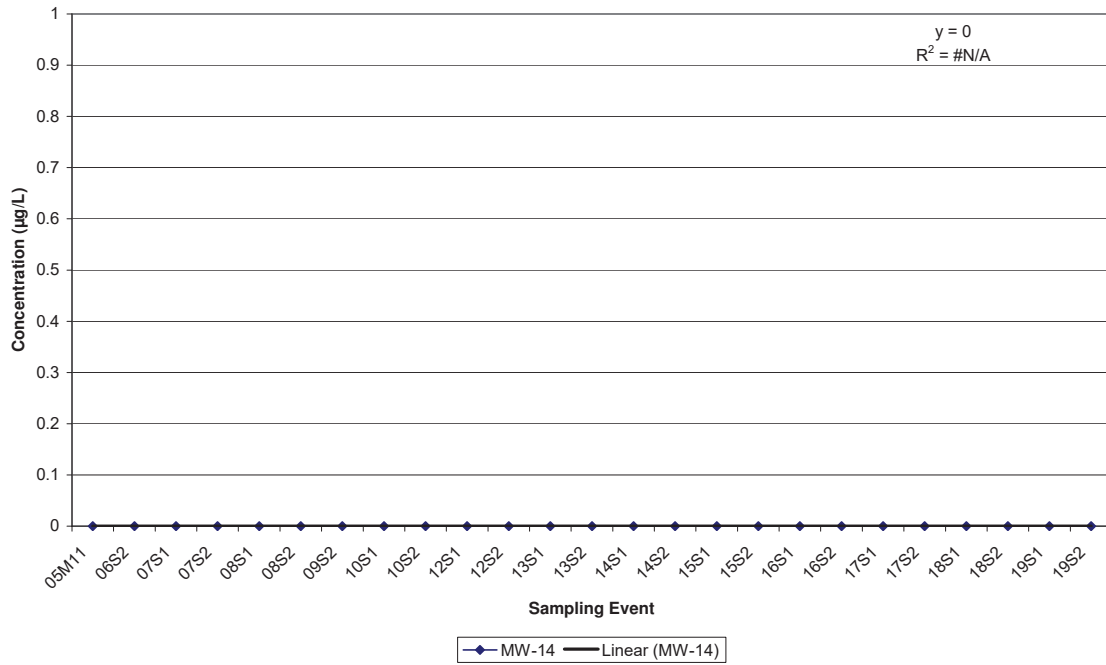
Citrus County Central Landfill  
Historic Ethylbenzene in MW-12



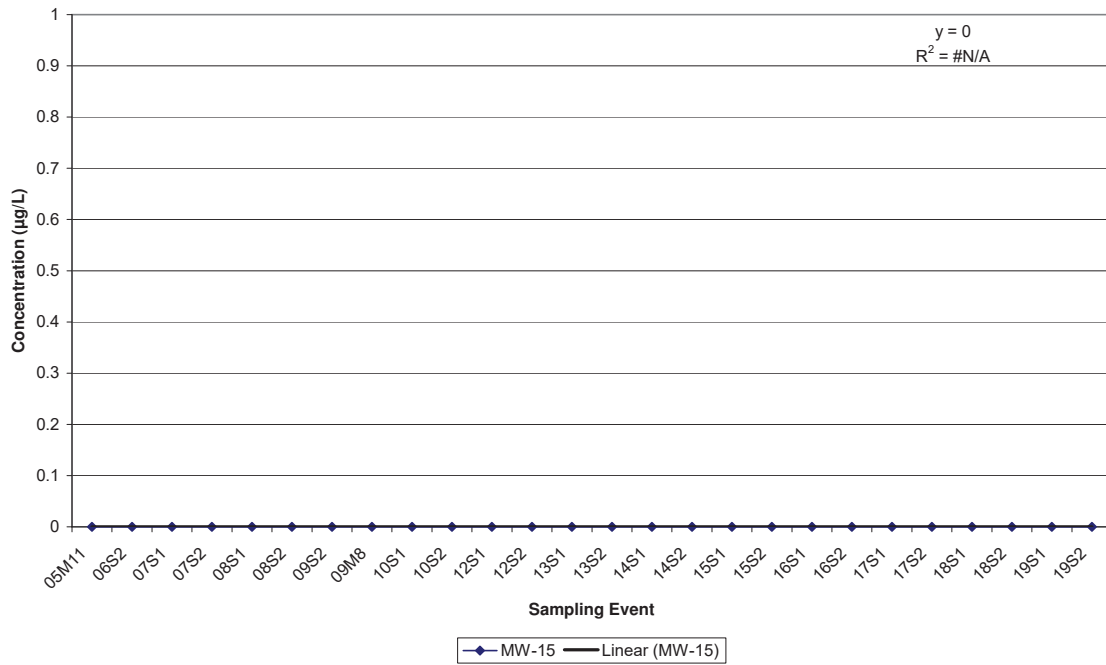
Citrus County Central Landfill  
Historic Ethylbenzene in MW-13



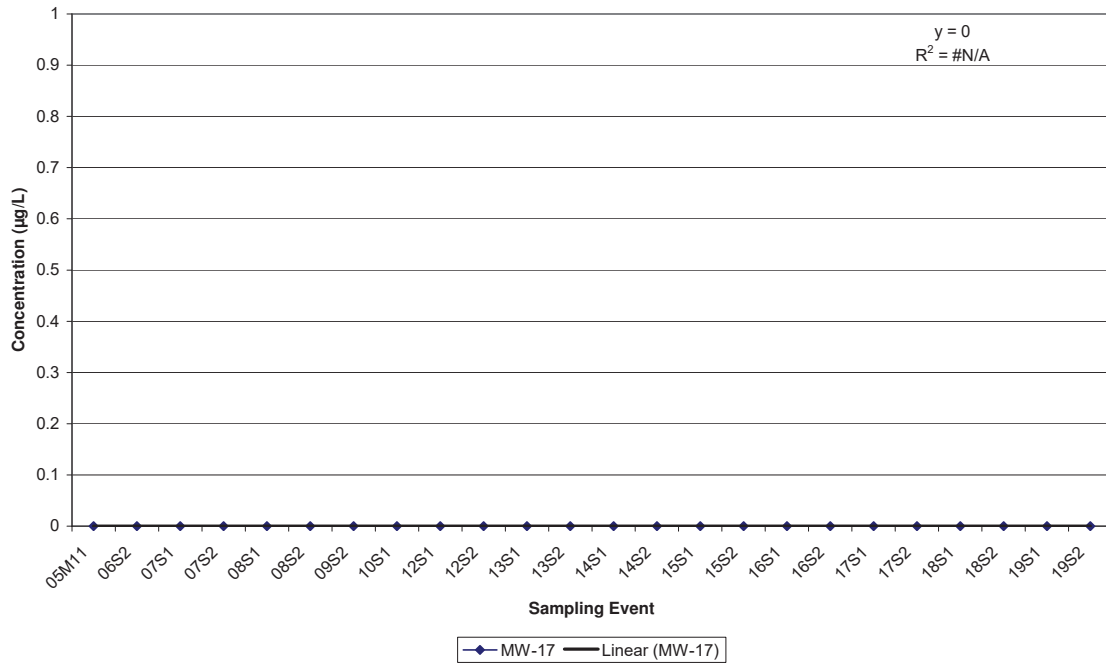
Citrus County Central Landfill  
Historic Ethylbenzene in MW-14



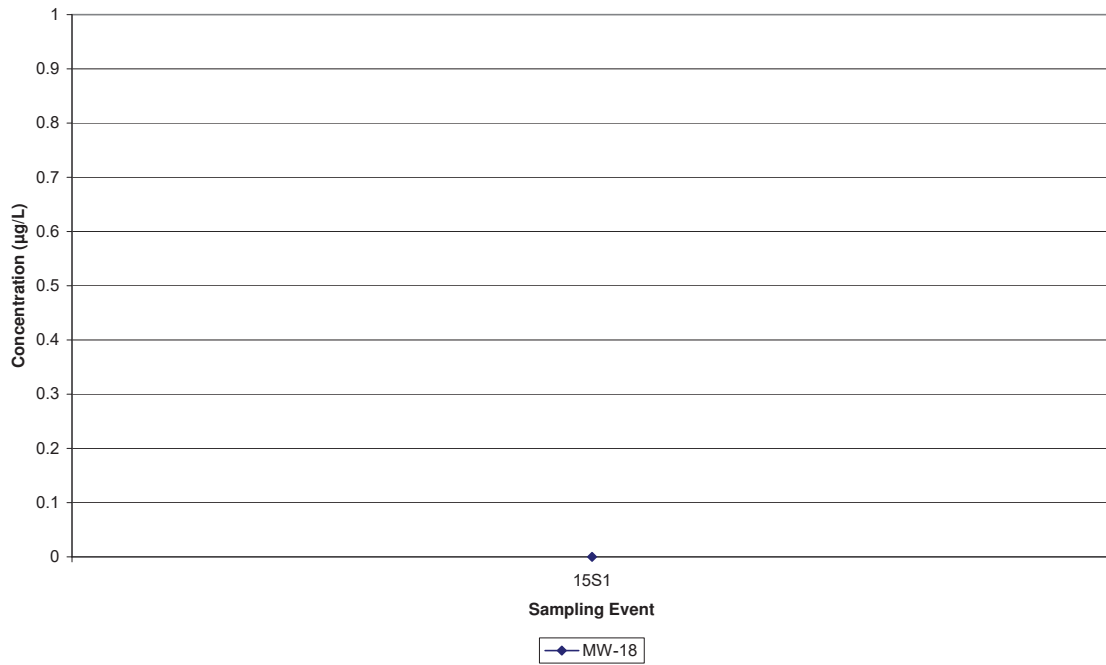
Citrus County Central Landfill  
Historic Ethylbenzene in MW-15



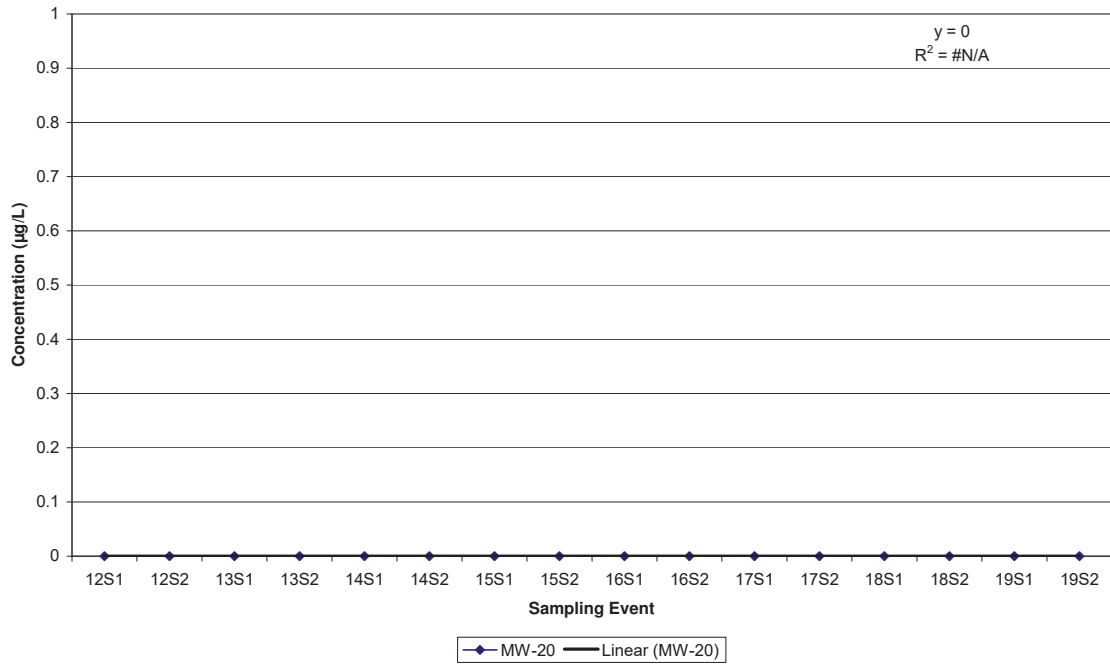
Citrus County Central Landfill  
Historic Ethylbenzene in MW-17



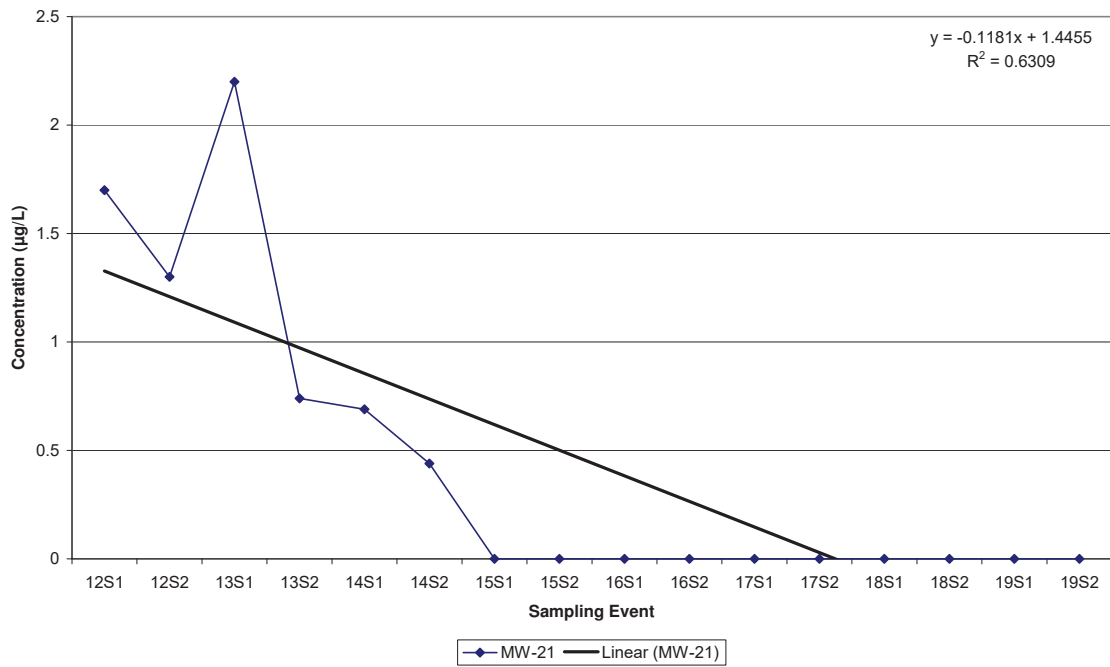
Citrus County Central Landfill  
Historic Ethylbenzene in MW-18



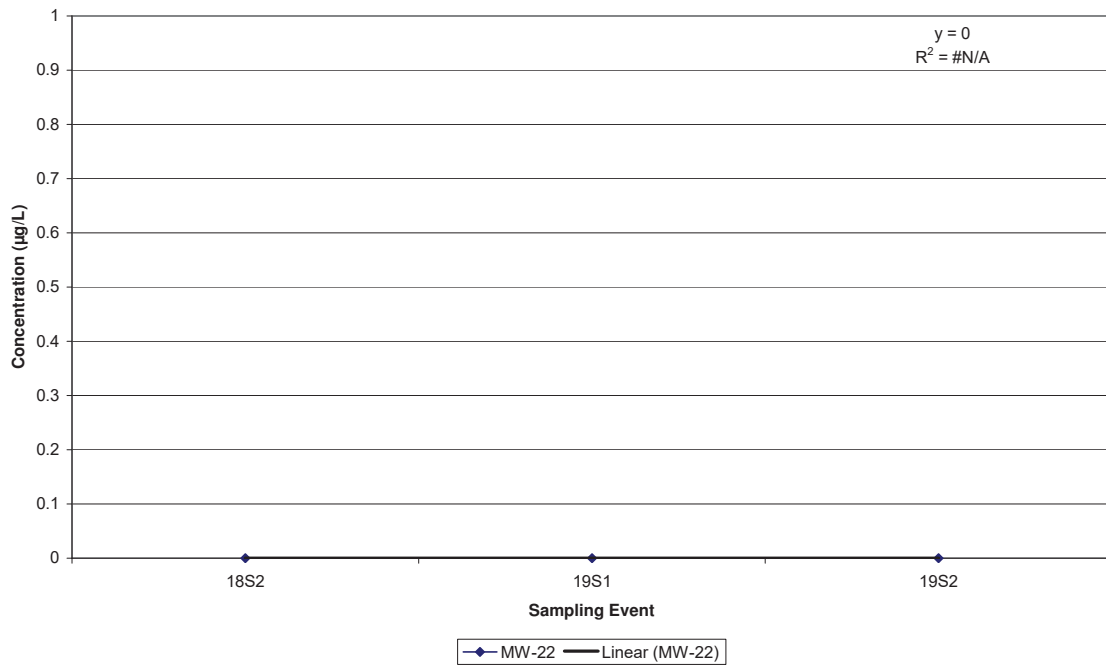
Citrus County Central Landfill  
Historic Ethylbenzene in MW-20



Citrus County Central Landfill  
Historic Ethylbenzene in MW-21



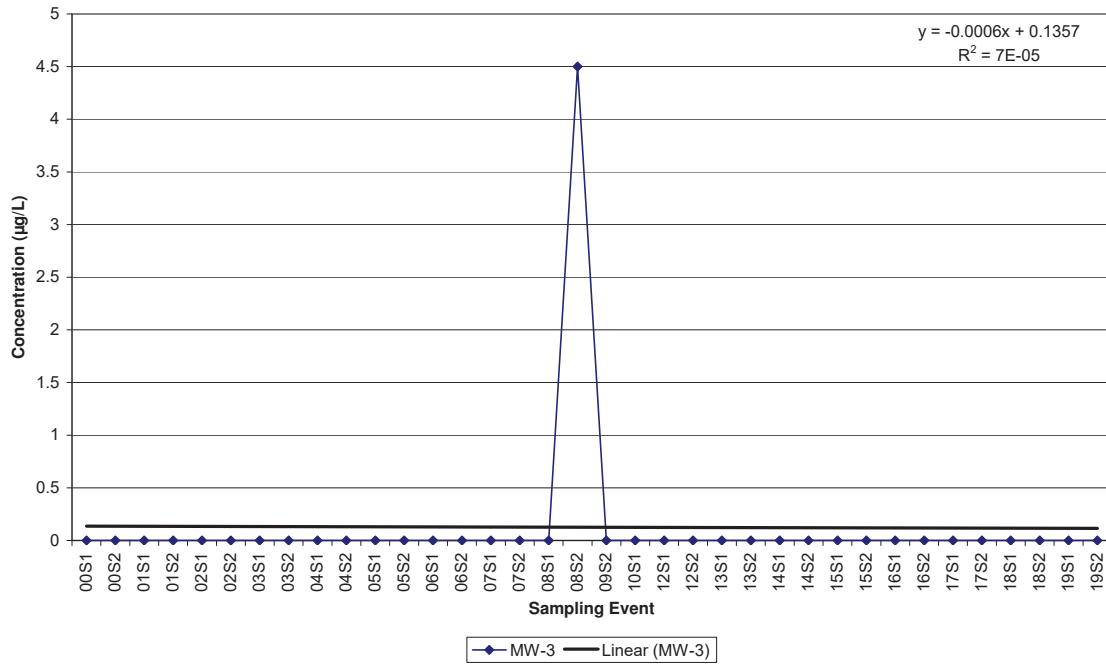
Citrus County Central Landfill  
Historic Ethylbenzene in MW-22



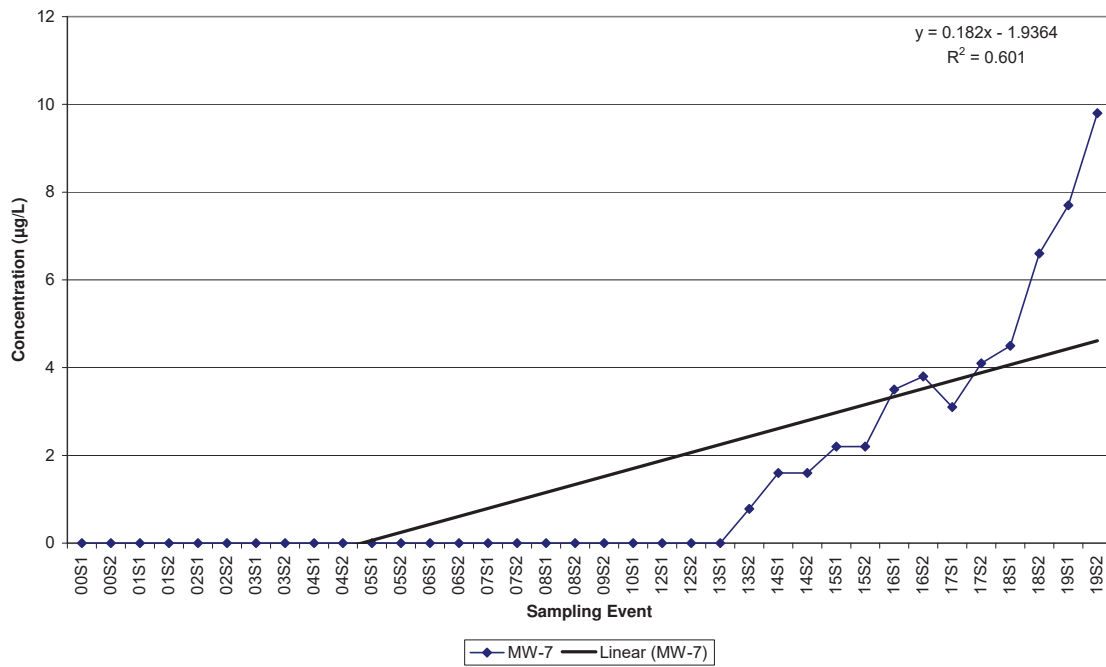
**Citrus County Central Landfill  
Historical 1,4-Dichlorobenzene Data**



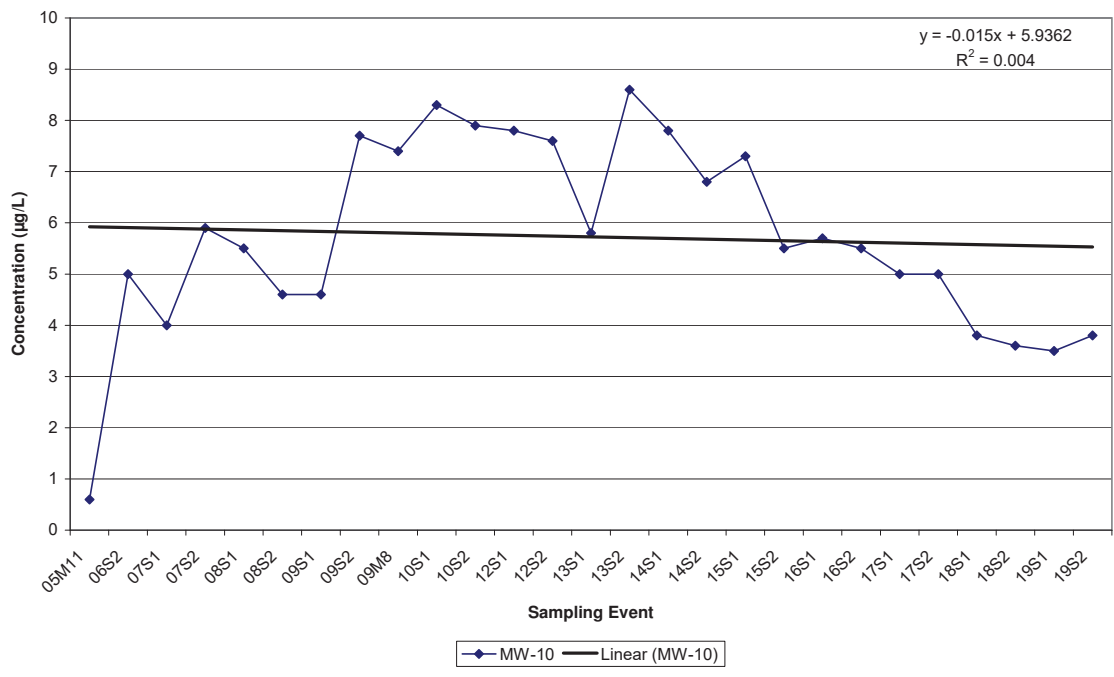
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-3**



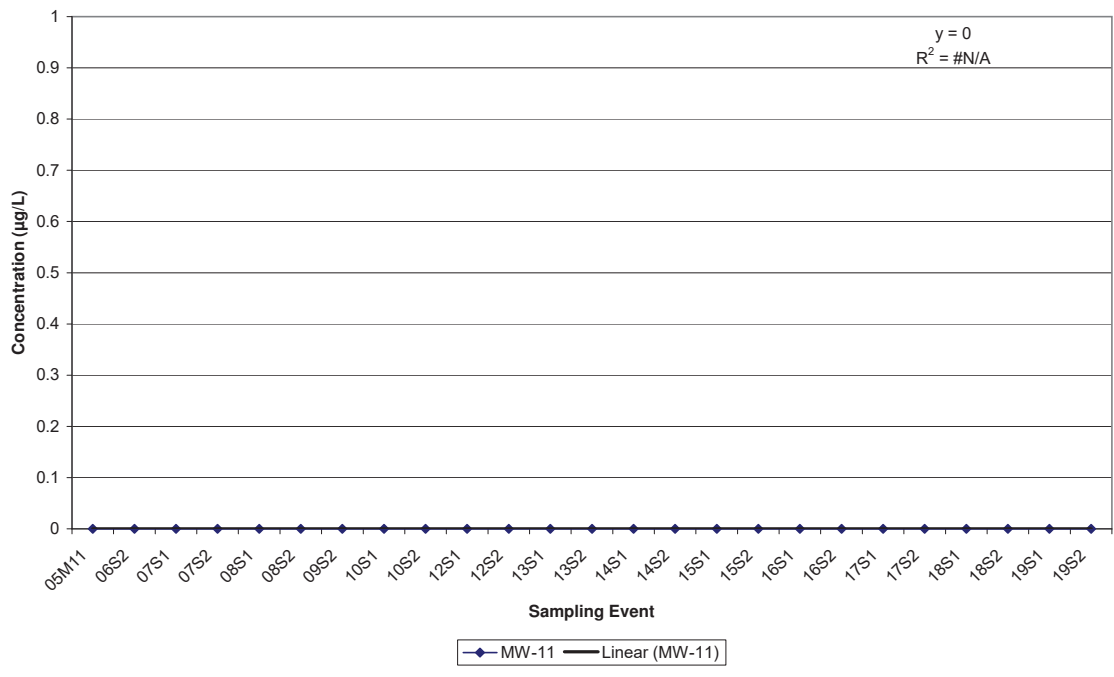
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-7**



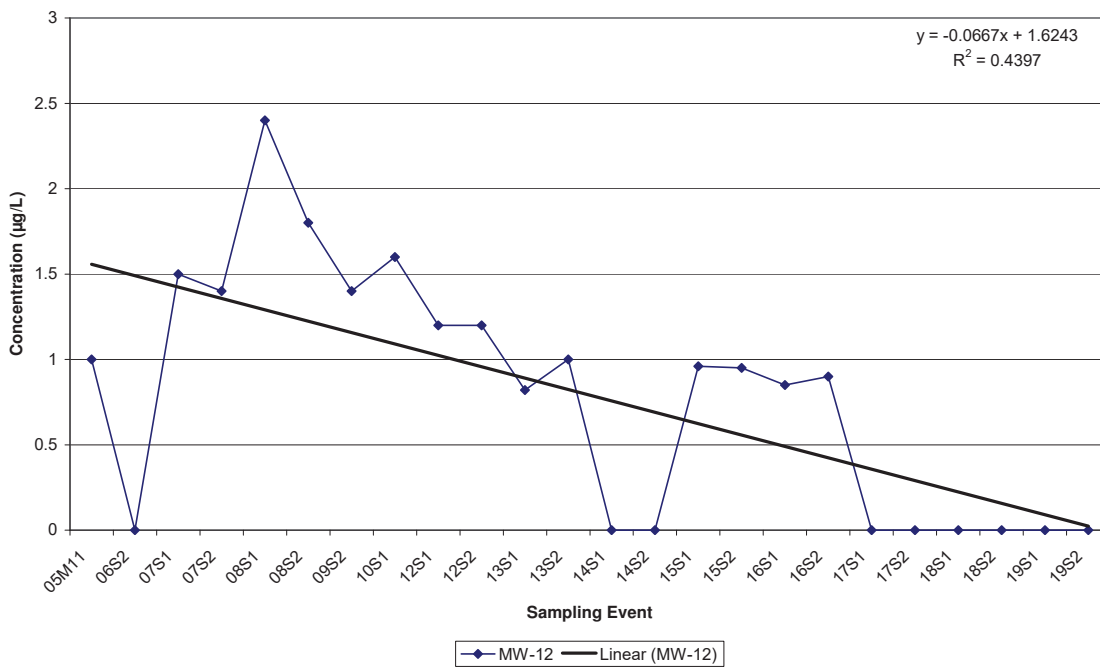
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-10**



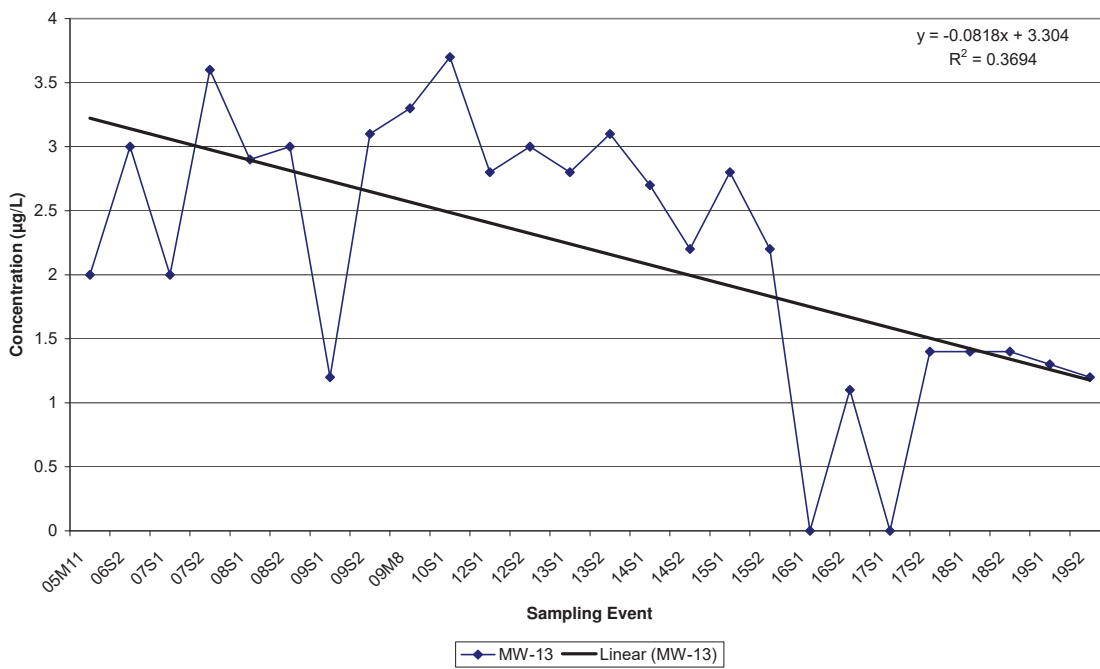
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-11**



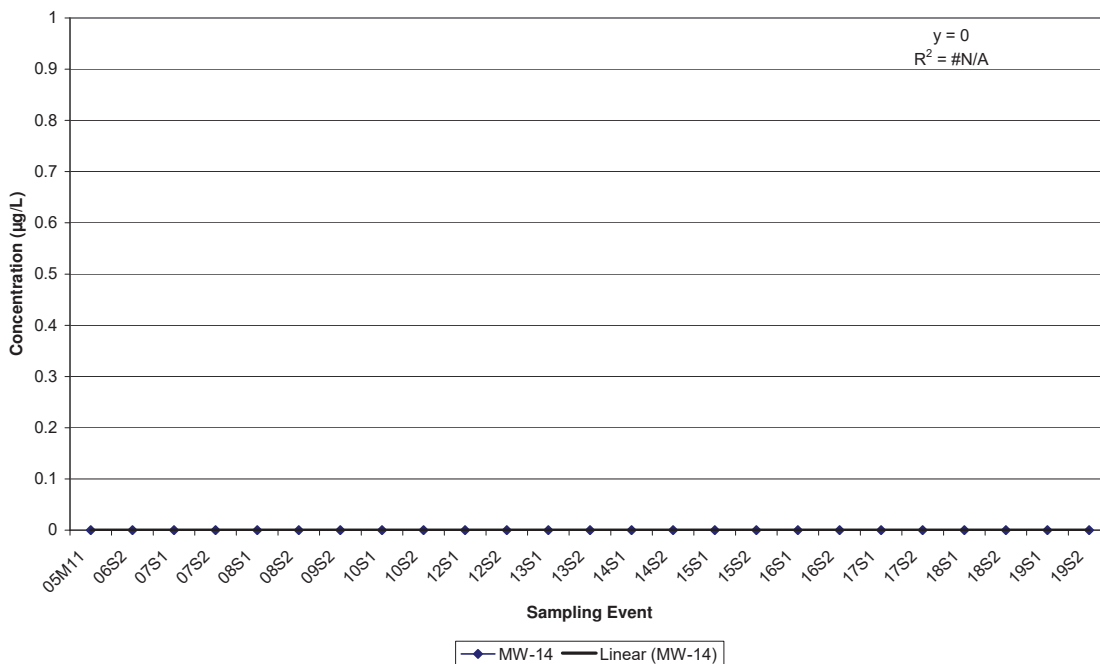
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-12**



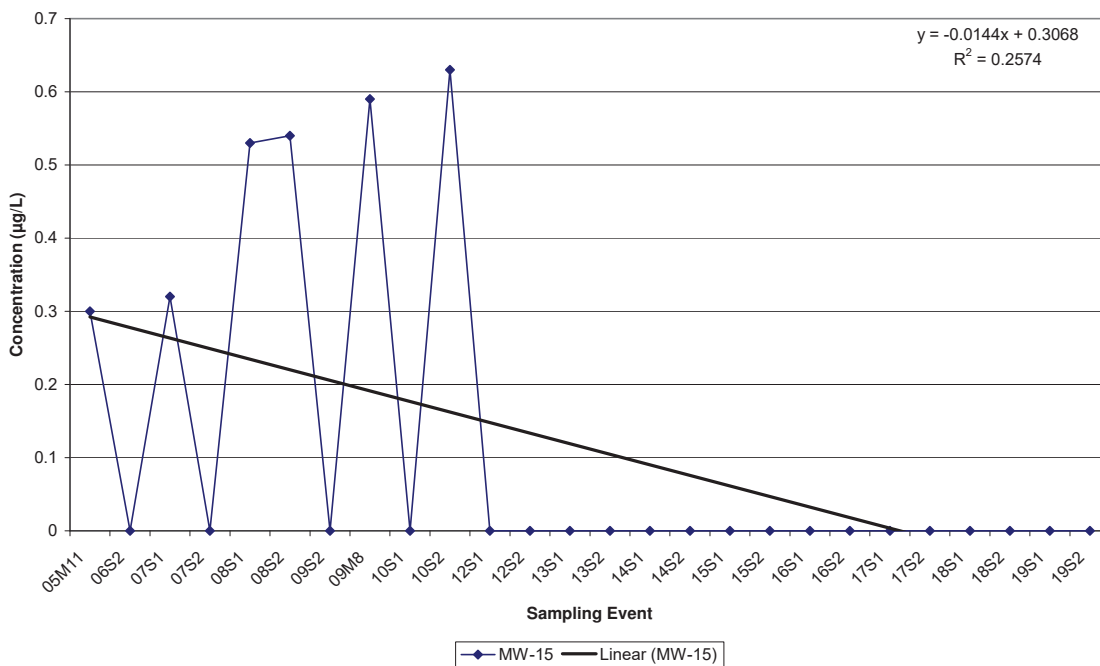
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-13**



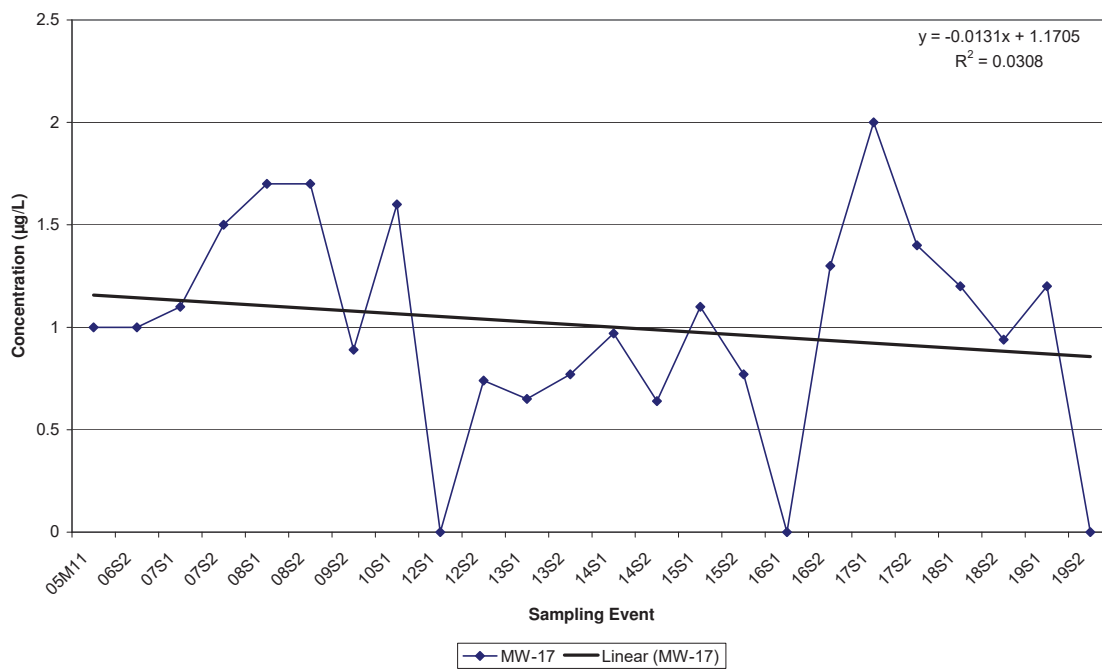
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-14**



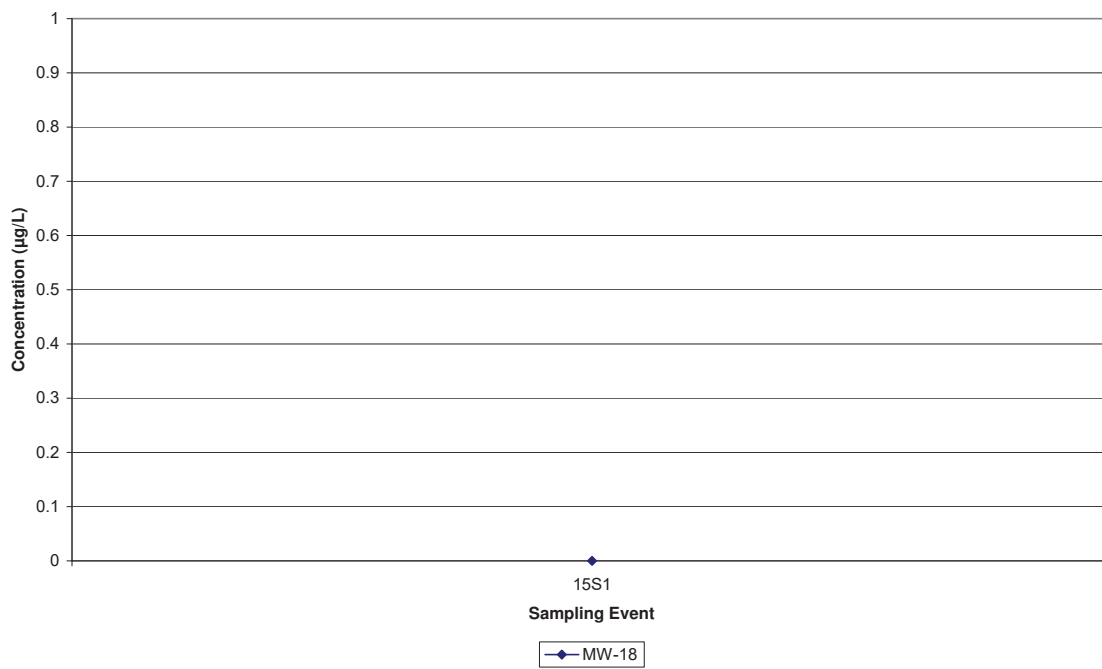
**Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-15**



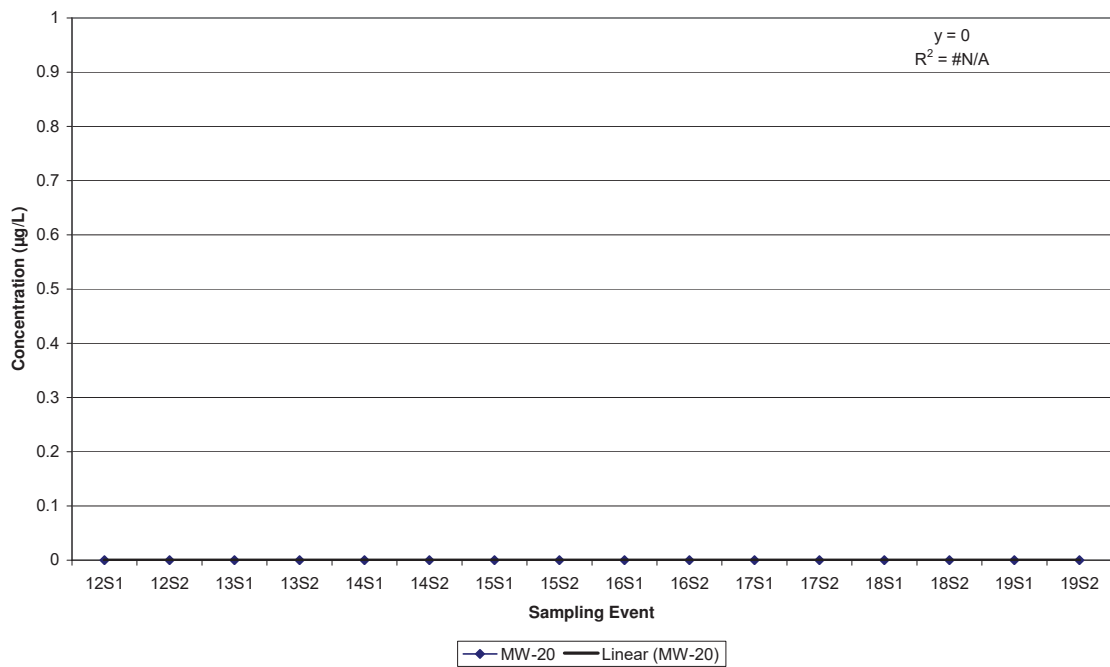
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-17



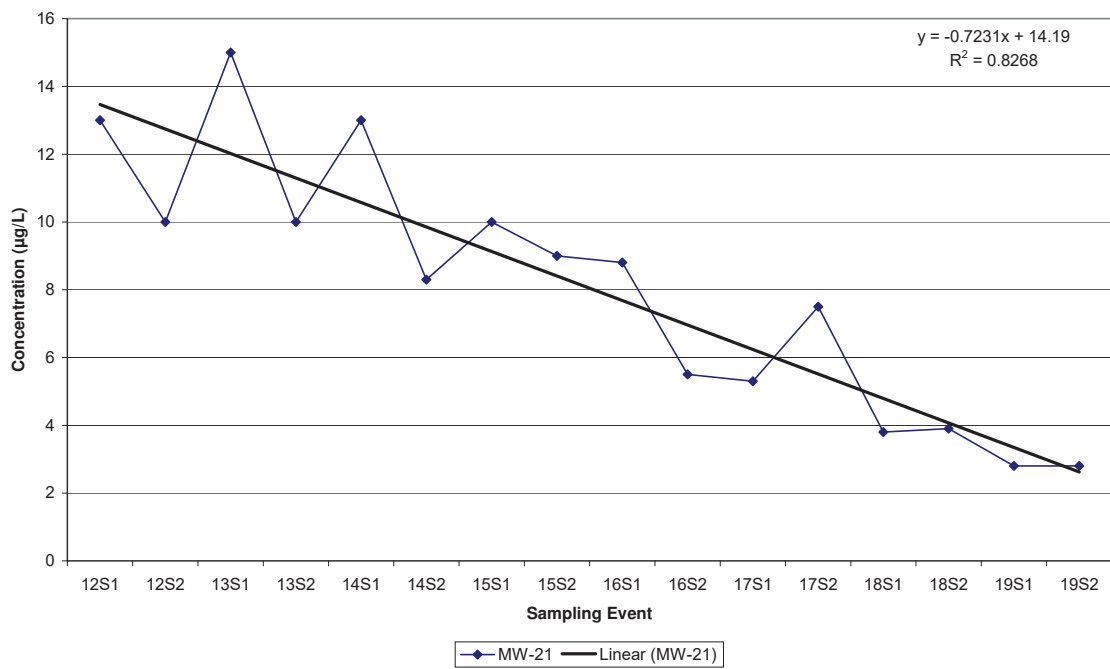
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-18



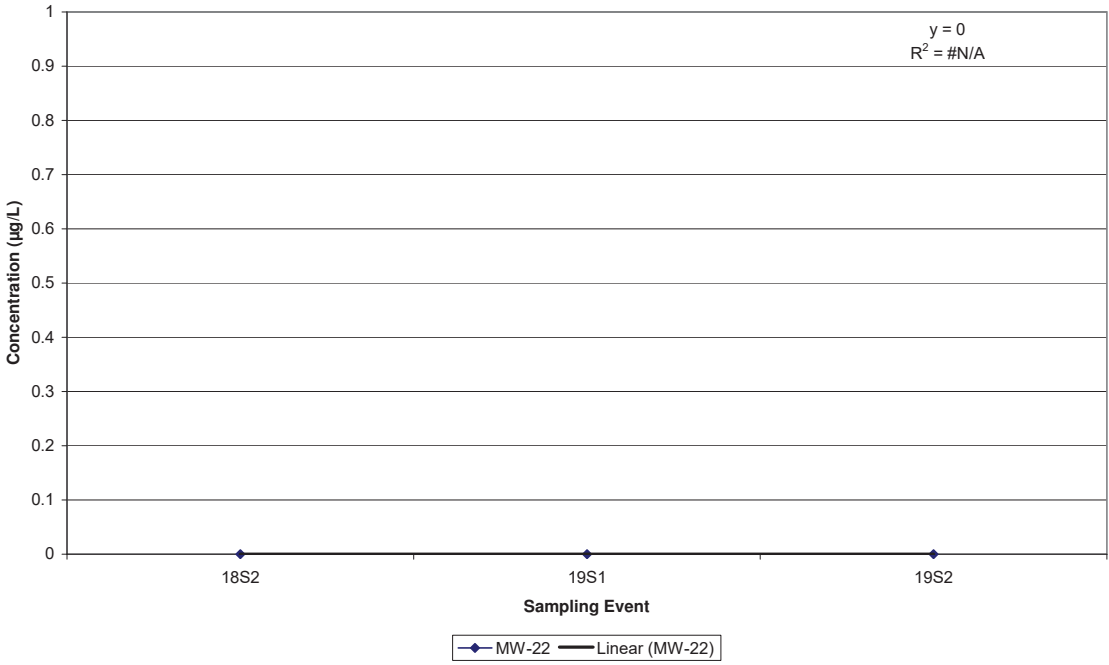
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-20



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



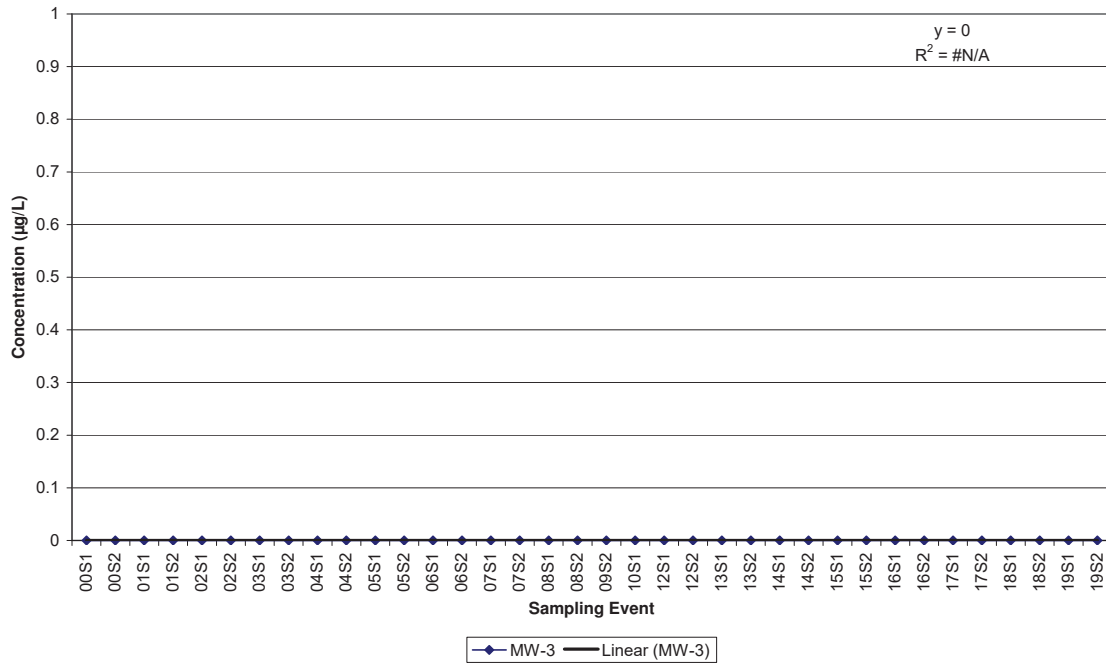
Citrus County Central Landfill  
Historic 1,4-Dichlorobenzene in MW-22



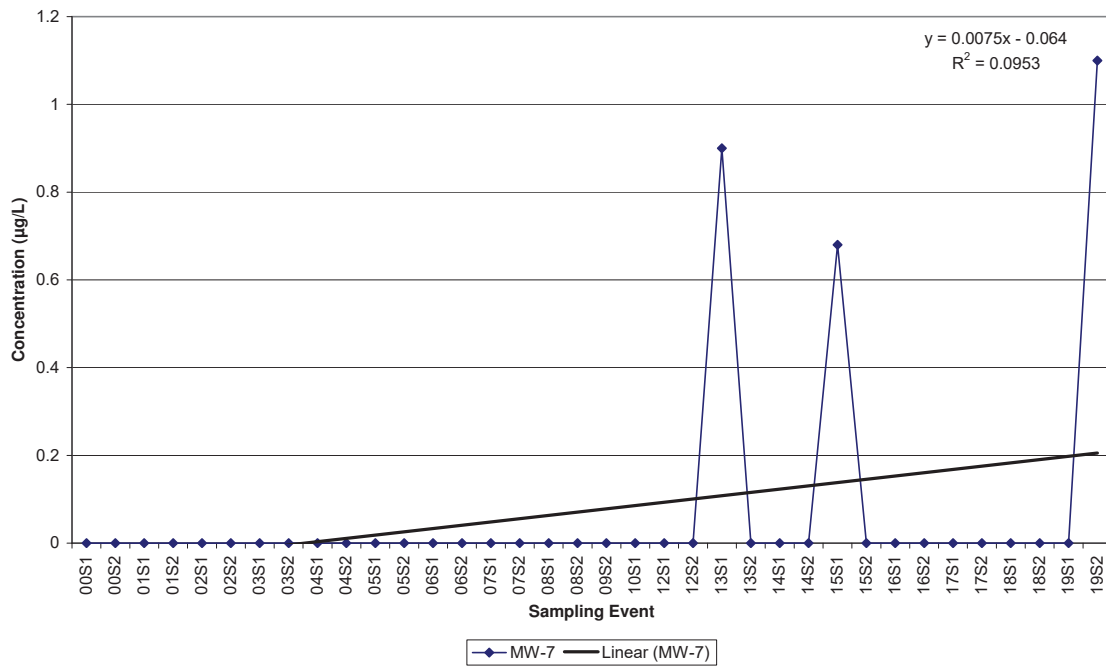
**Citrus County Central Landfill  
Historical Vinyl Chloride Data**



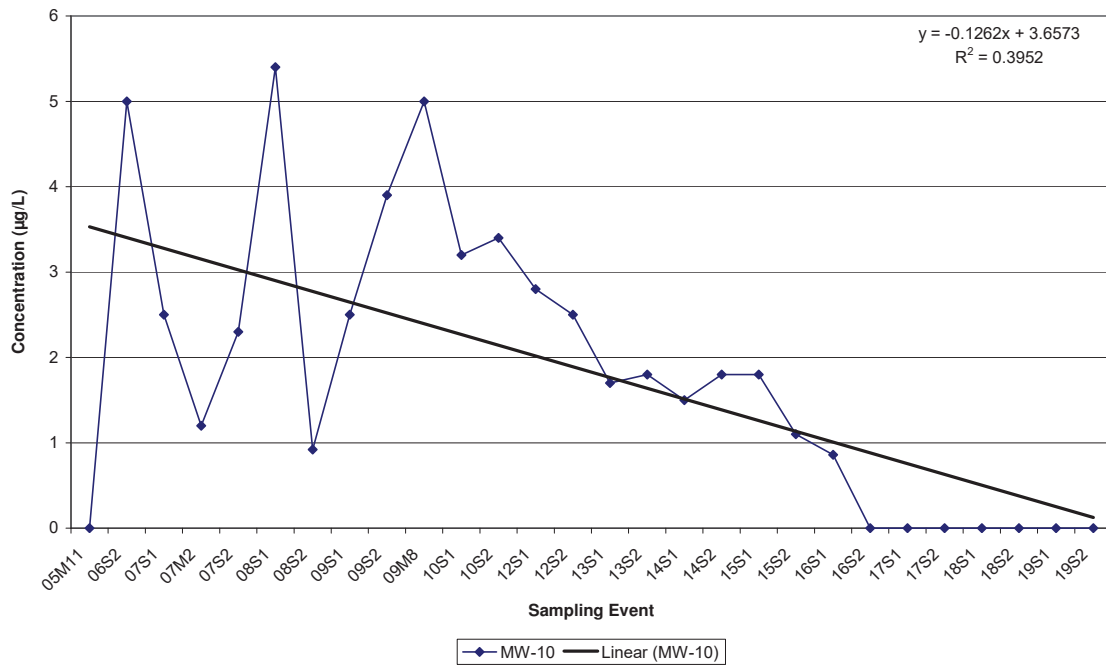
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-3**



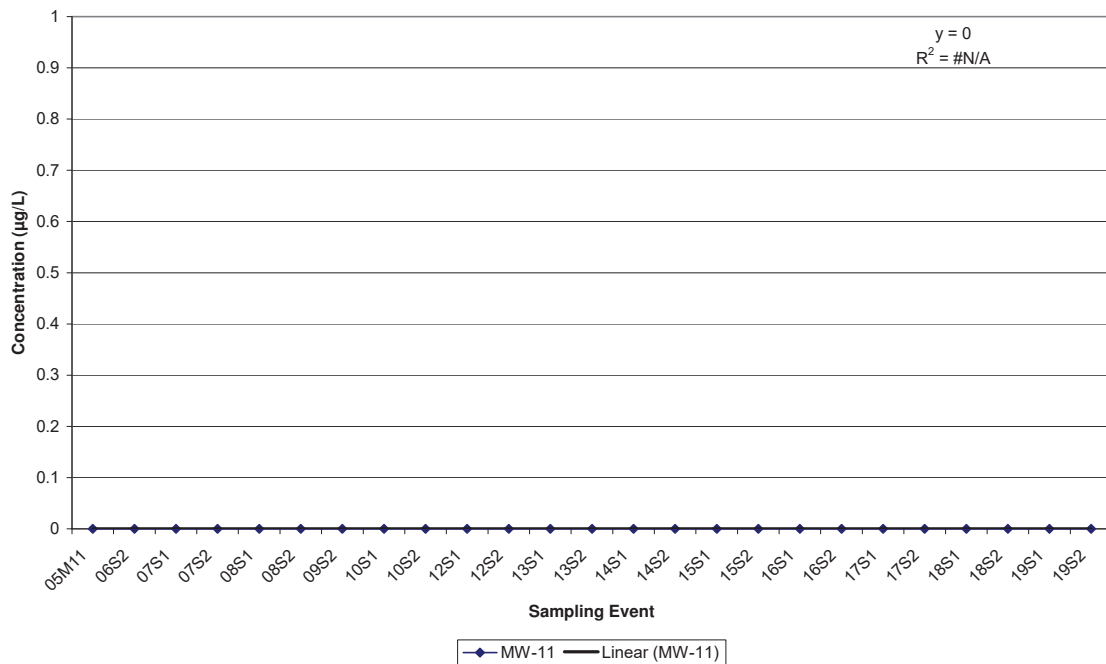
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-7**



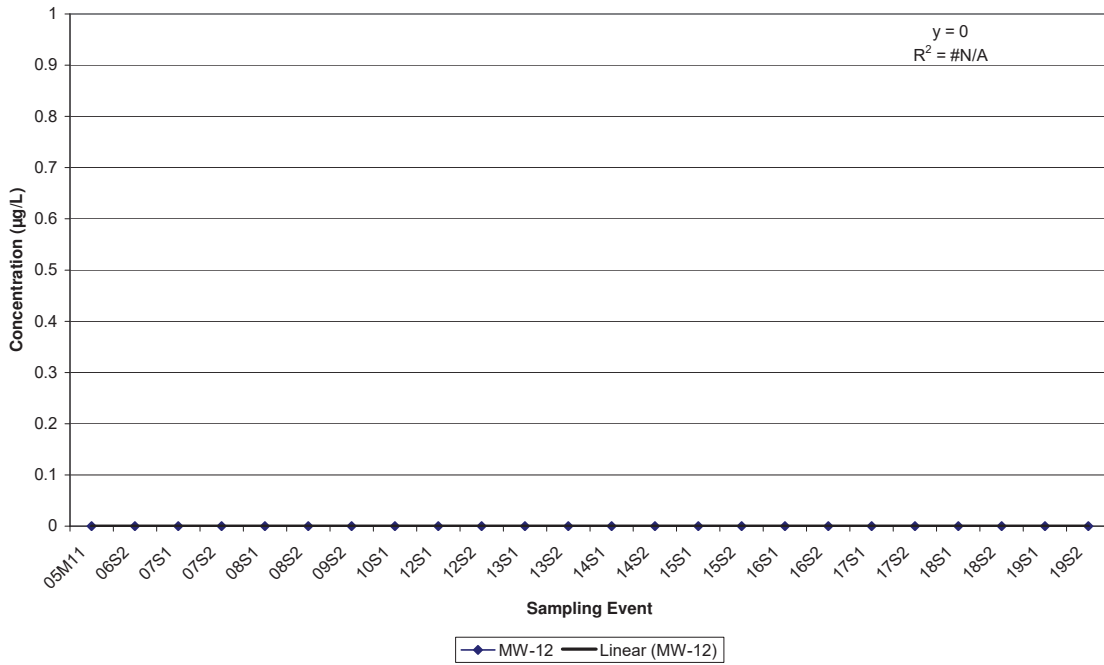
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-10**



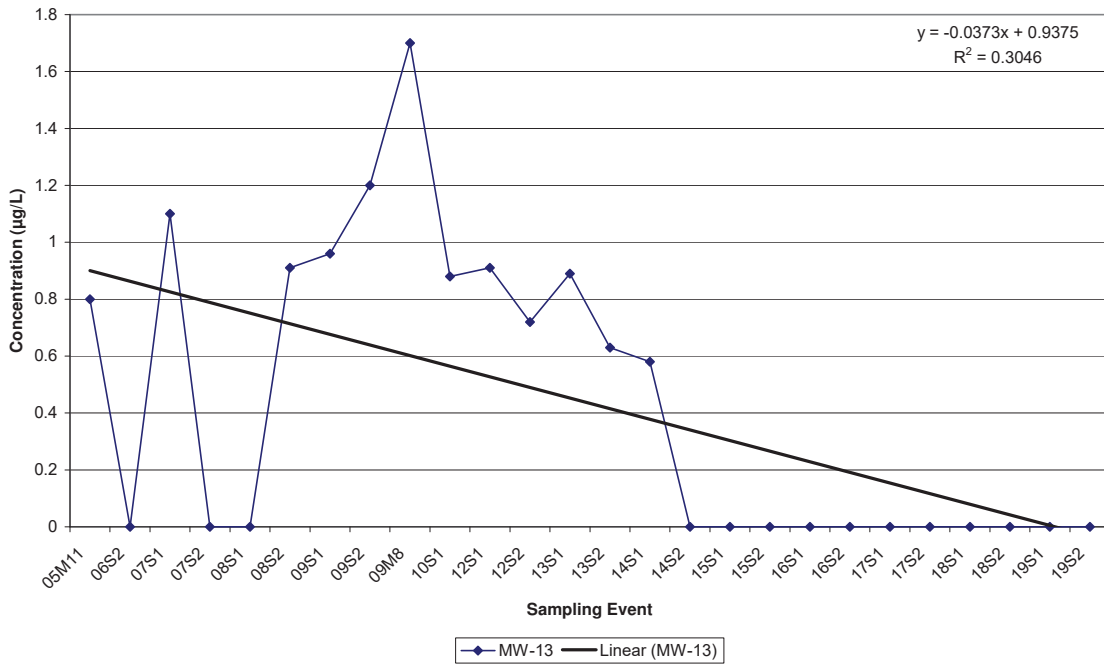
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-11**



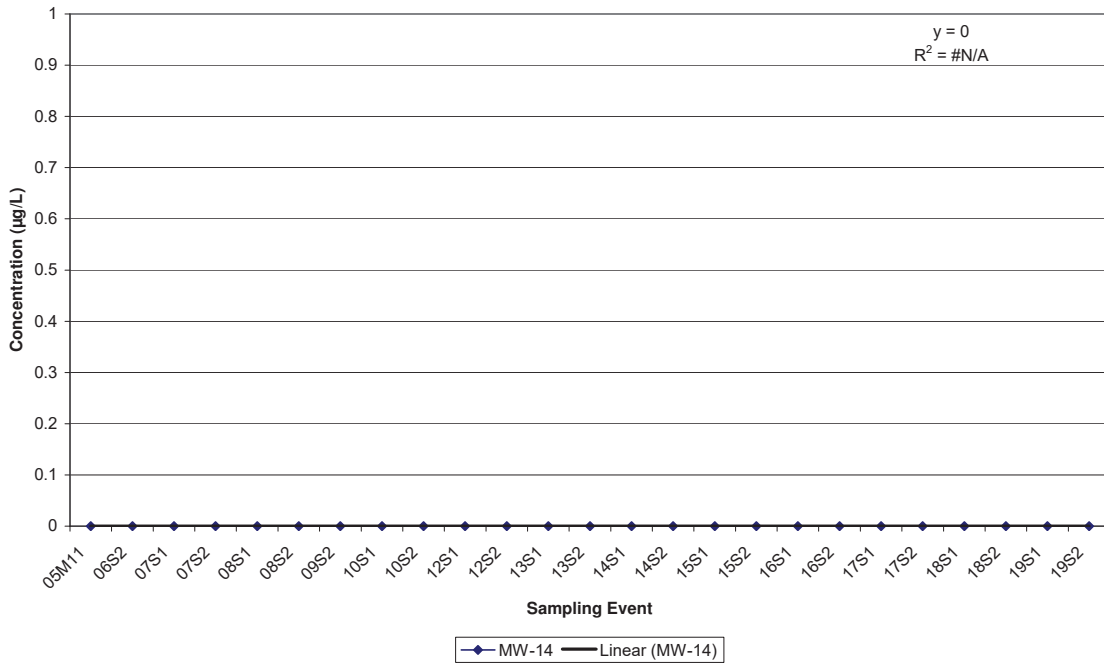
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-12**



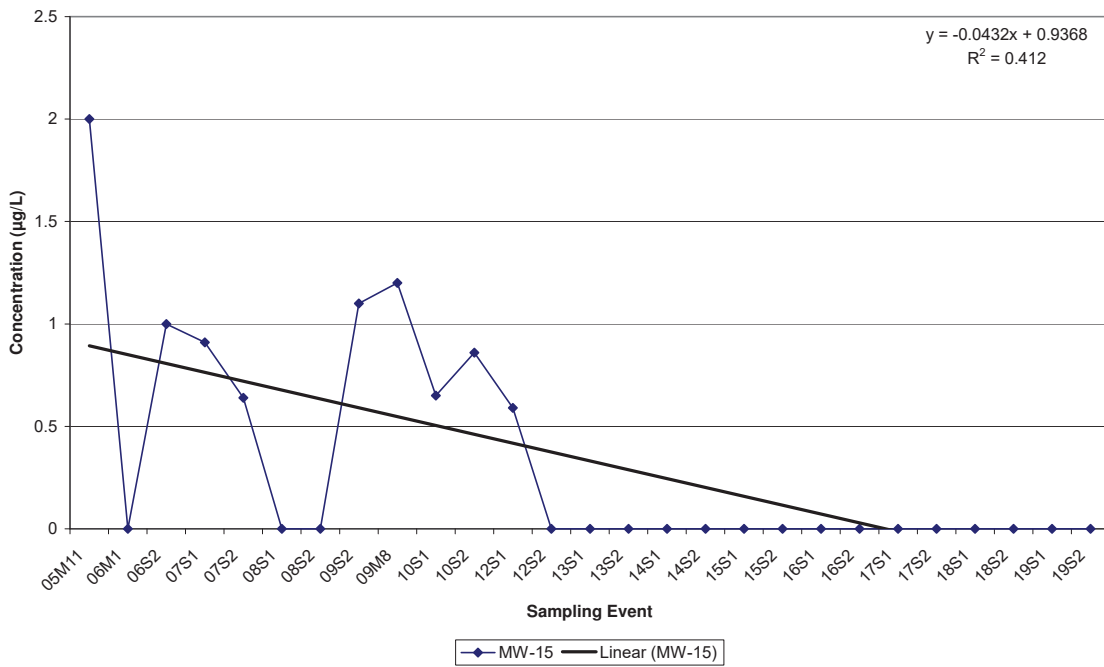
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-13**



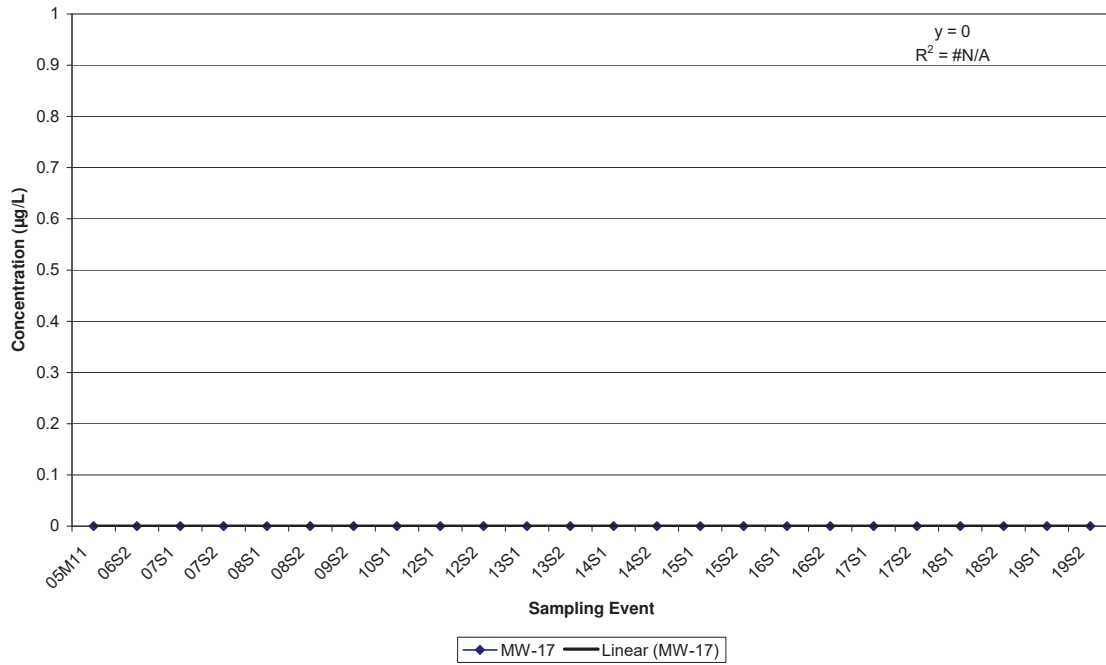
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-14**



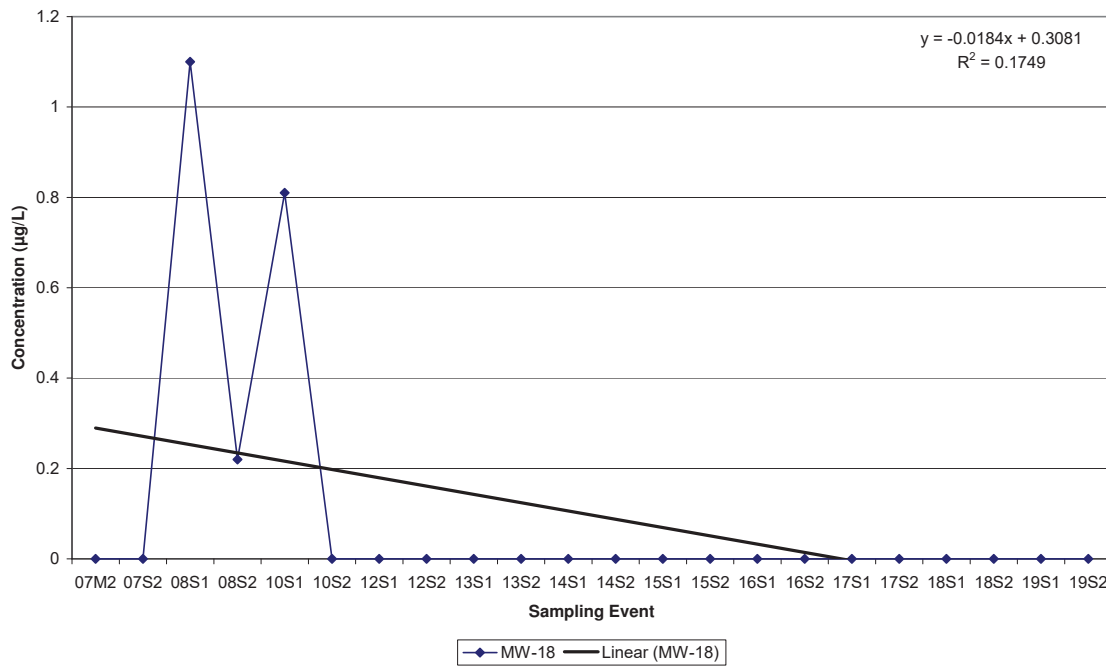
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-15**



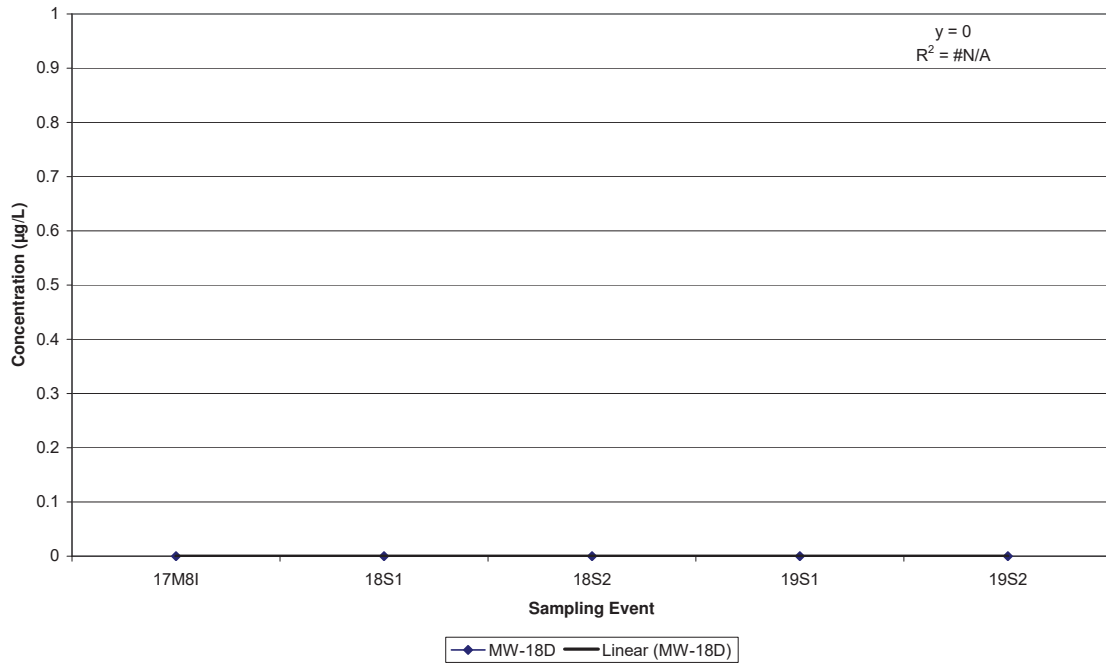
Citrus County Central Landfill  
Historic Vinyl chloride in MW-17



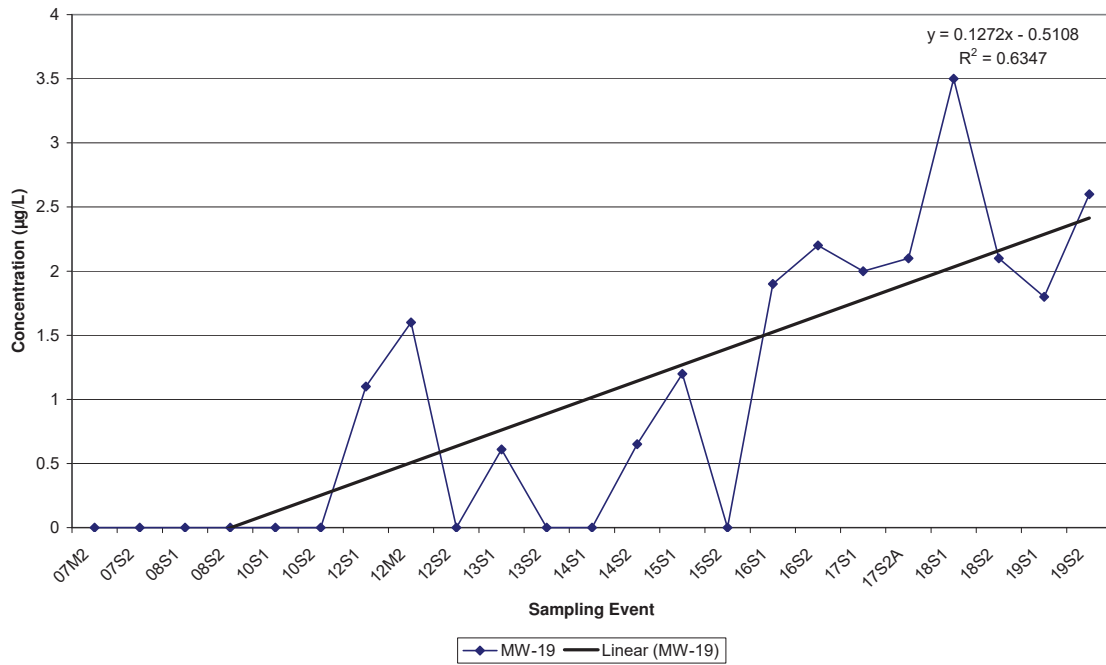
Citrus County Central Landfill  
Historic Vinyl chloride in MW-18



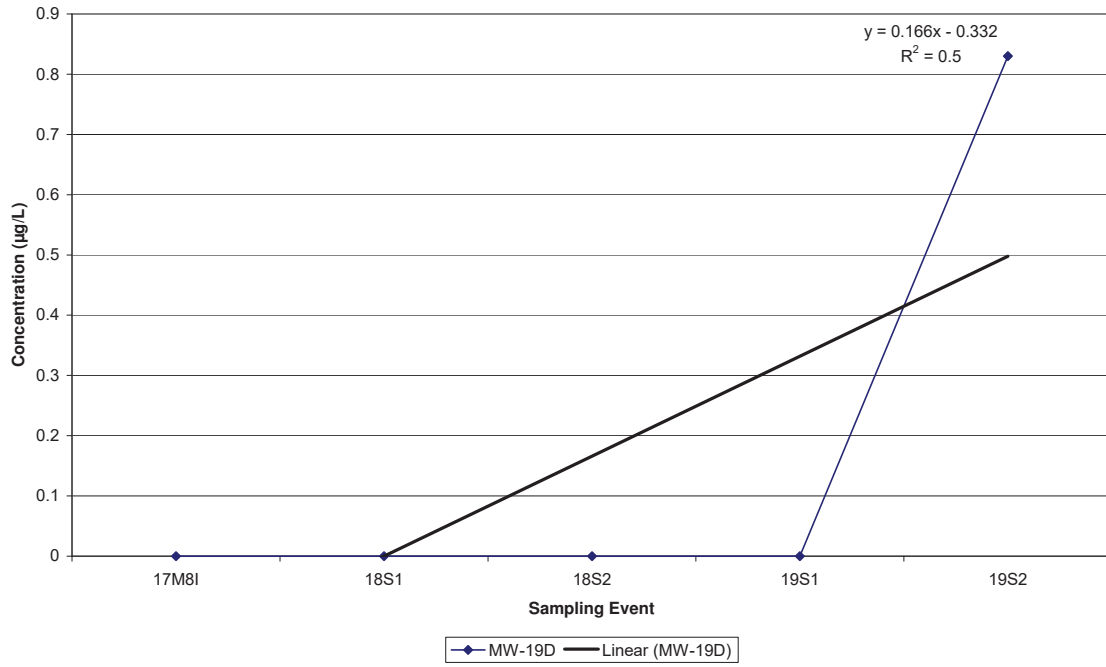
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-18D**



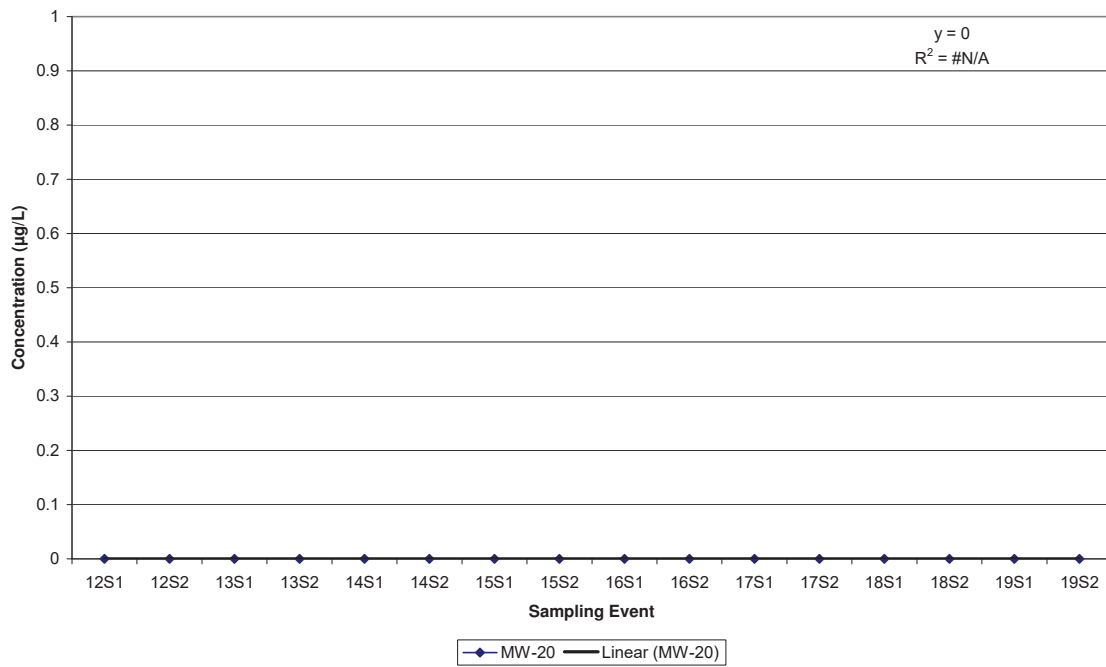
**Citrus County Central Landfill  
Historic Vinyl chloride in MW-19**



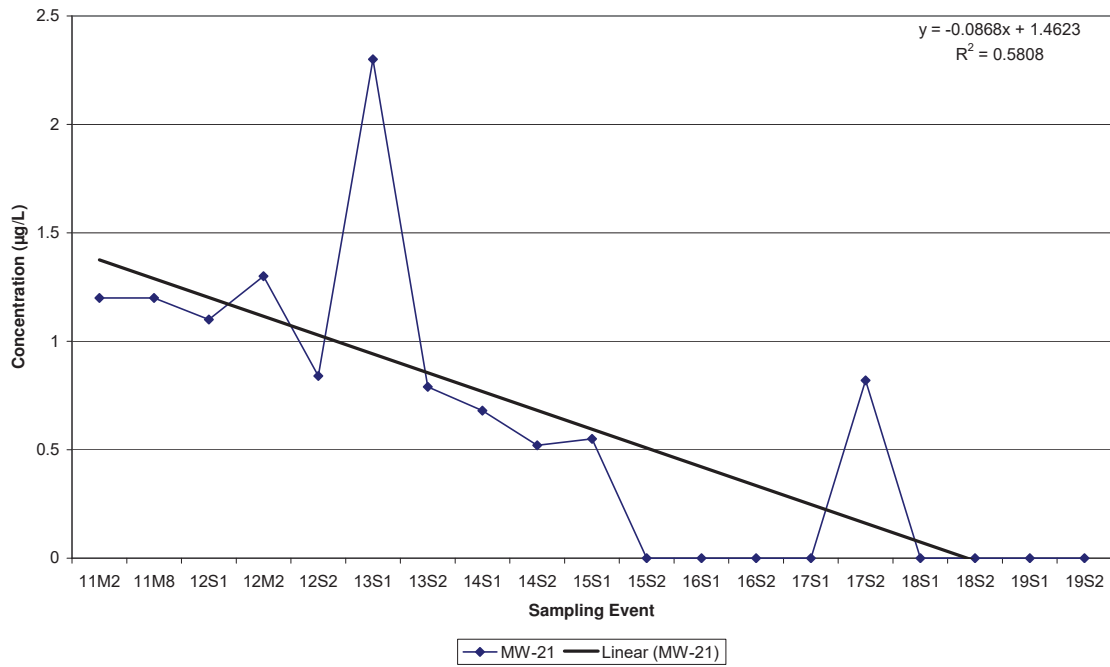
Citrus County Central Landfill  
Historic Vinyl chloride in MW-19D



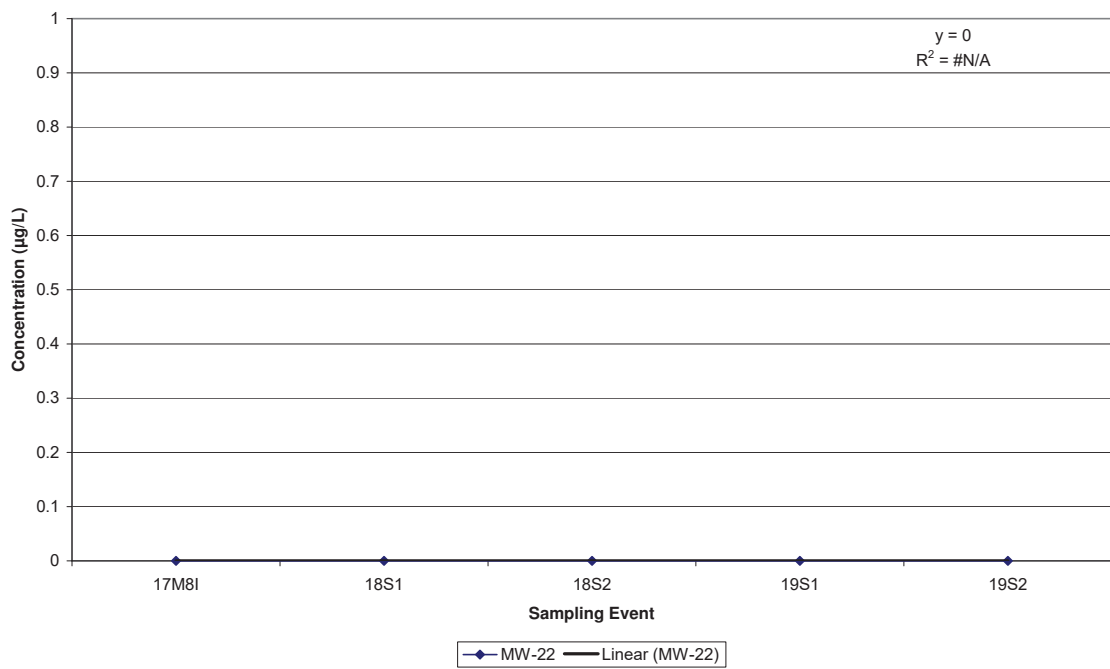
Citrus County Central Landfill  
Historic Vinyl chloride in MW-20



Citrus County Central Landfill  
Historic Vinyl chloride in MW-21



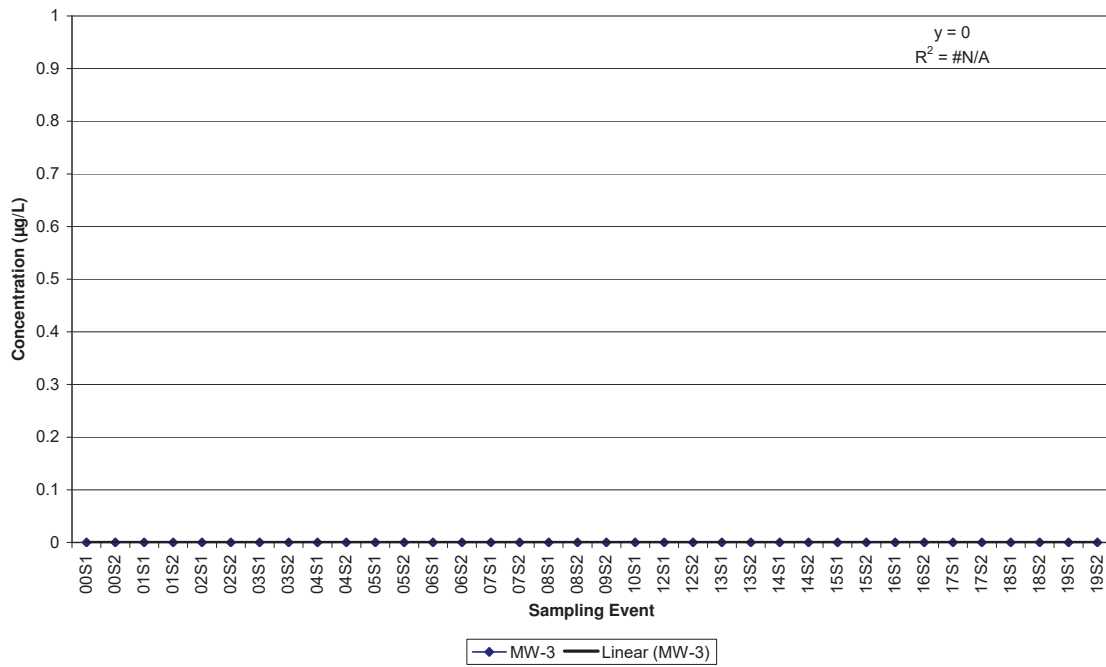
Citrus County Central Landfill  
Historic Vinyl chloride in MW-22



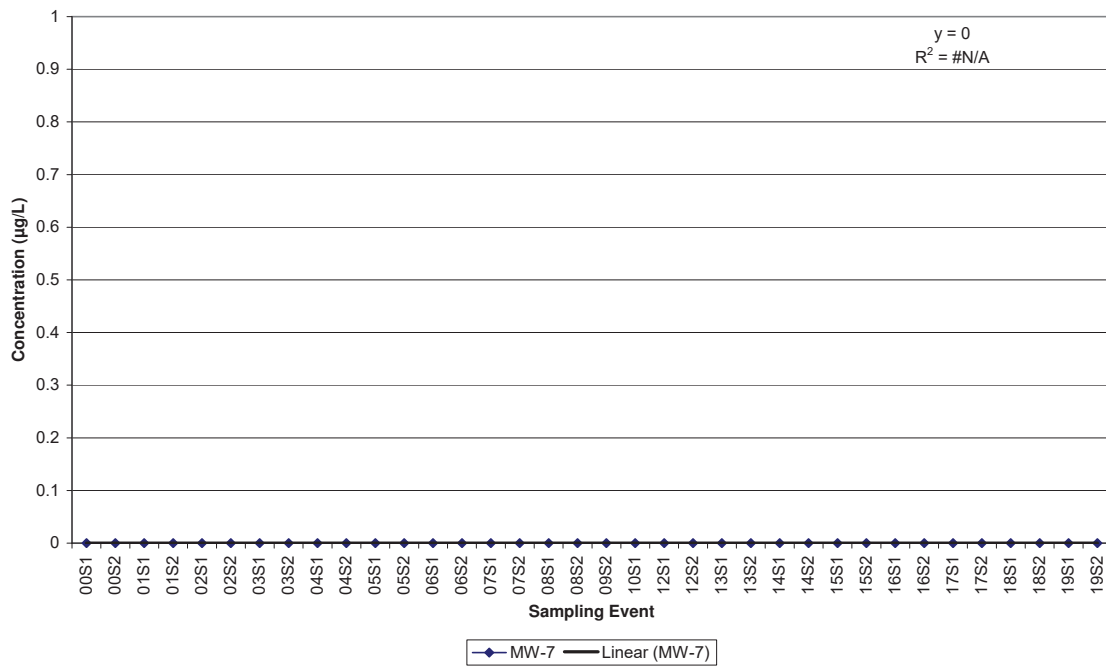


**Citrus County Central Landfill  
Historical 1,1-Dichloroethane Data**

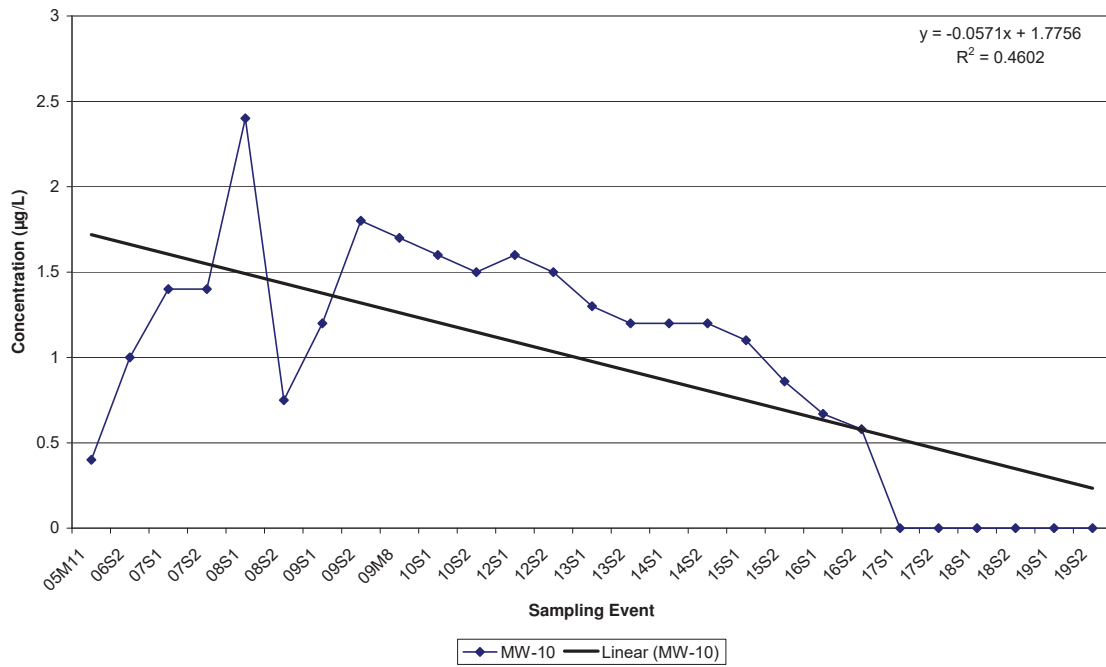
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-3



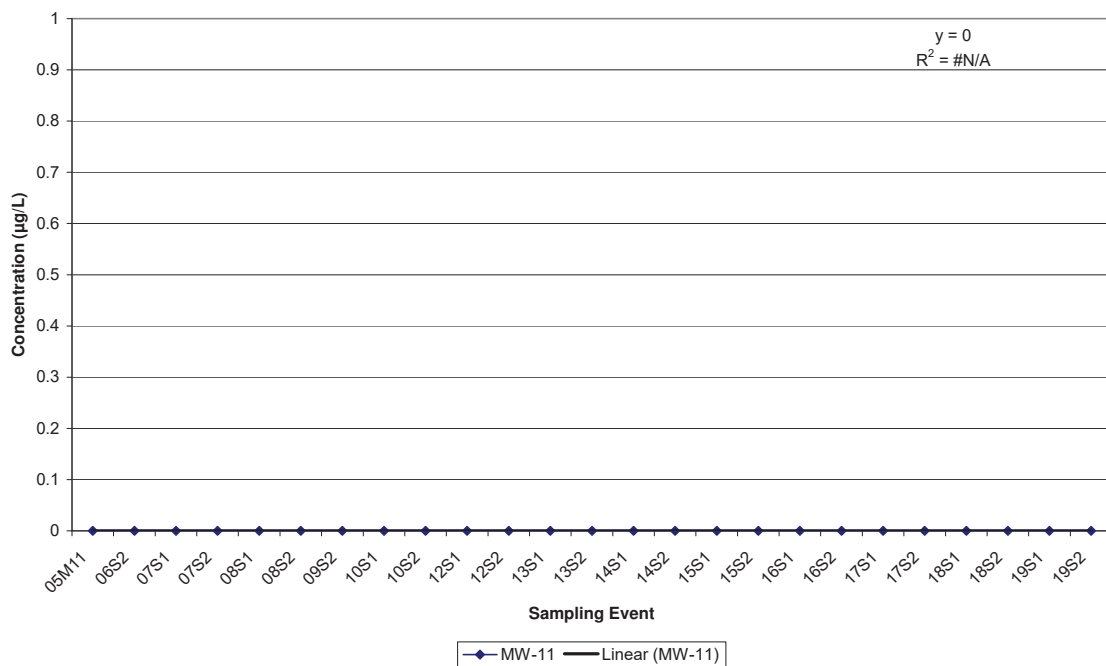
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-7



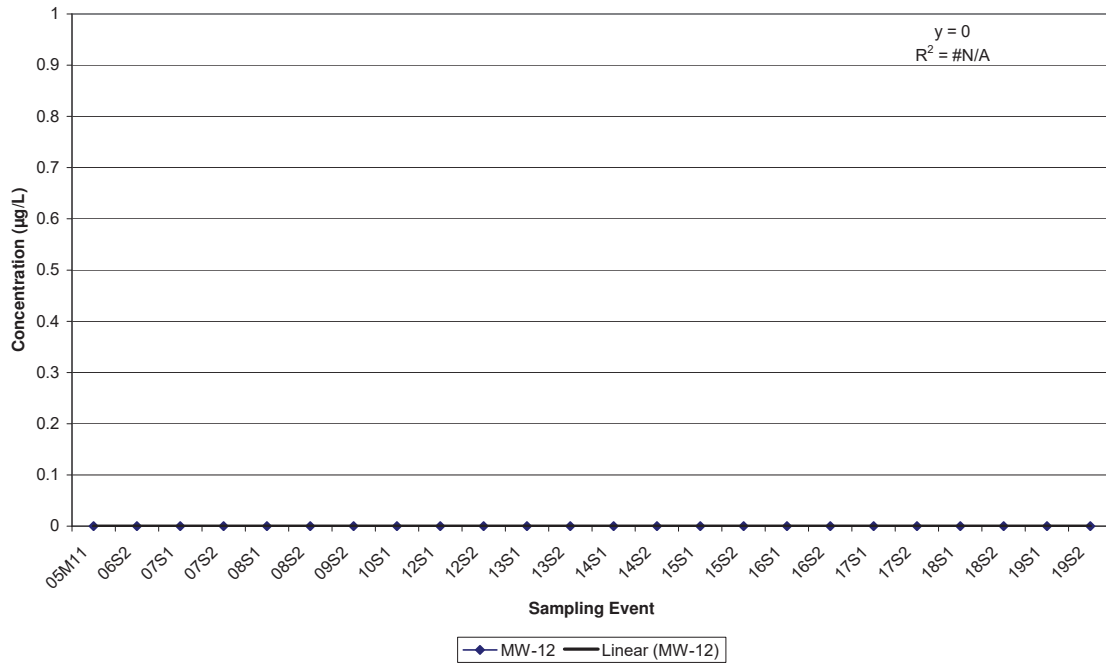
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-10



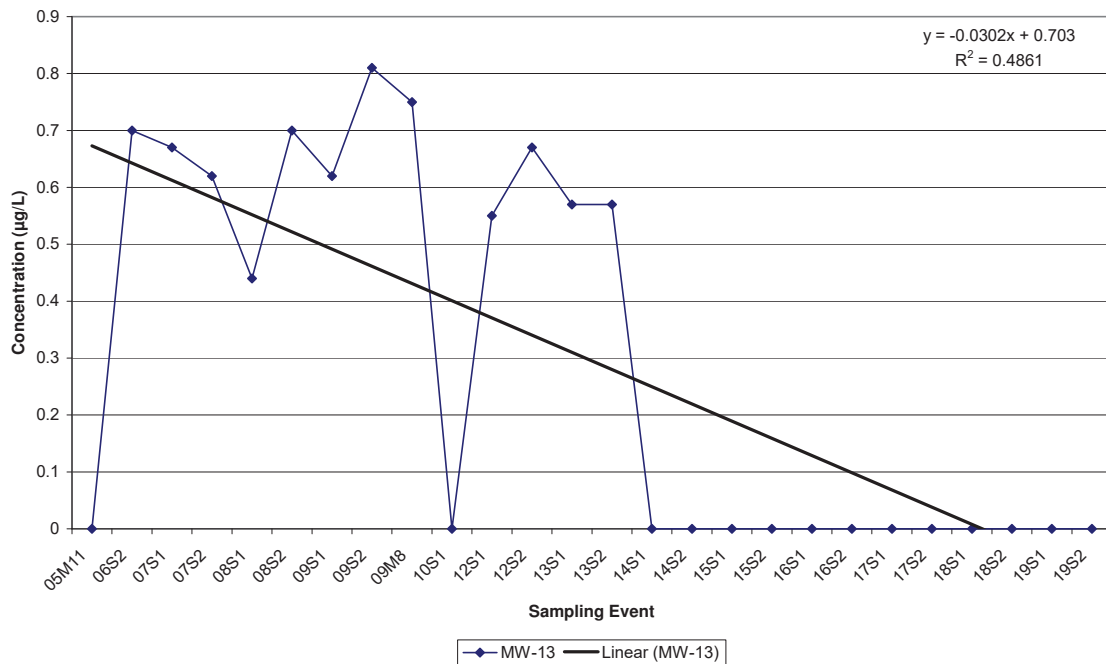
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-11



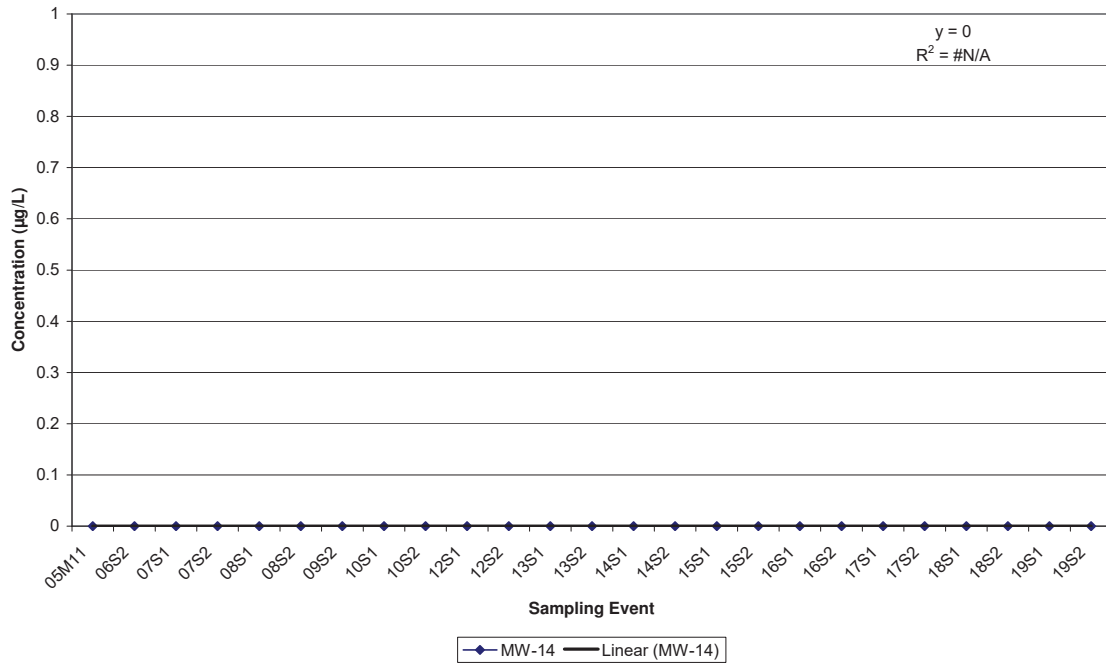
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-12



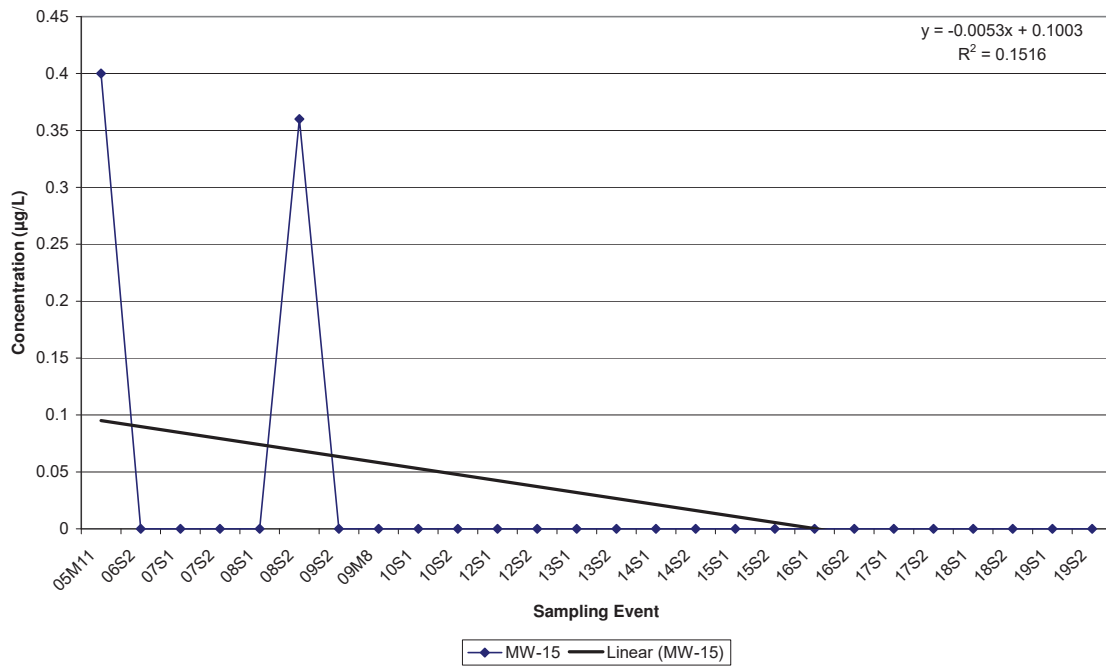
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-13



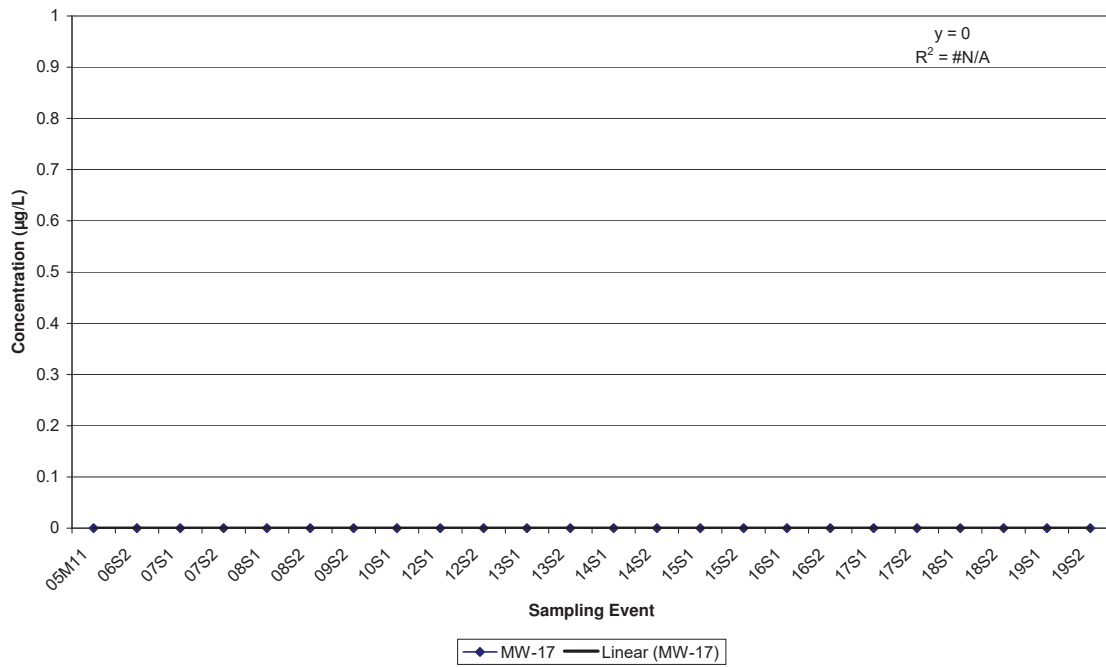
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-14



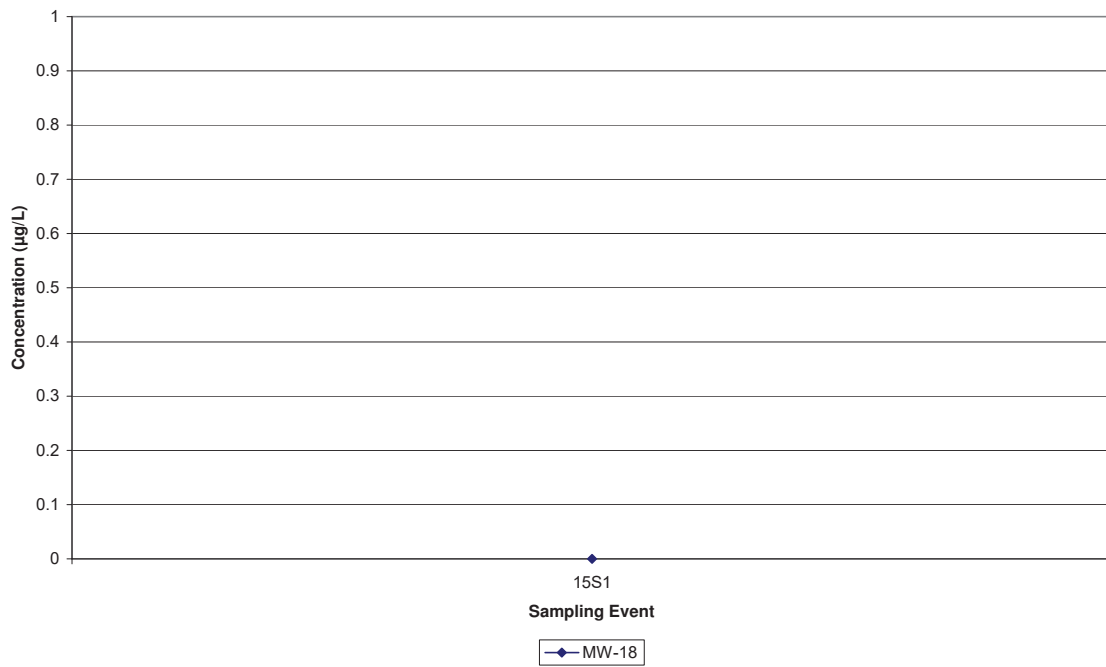
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-15



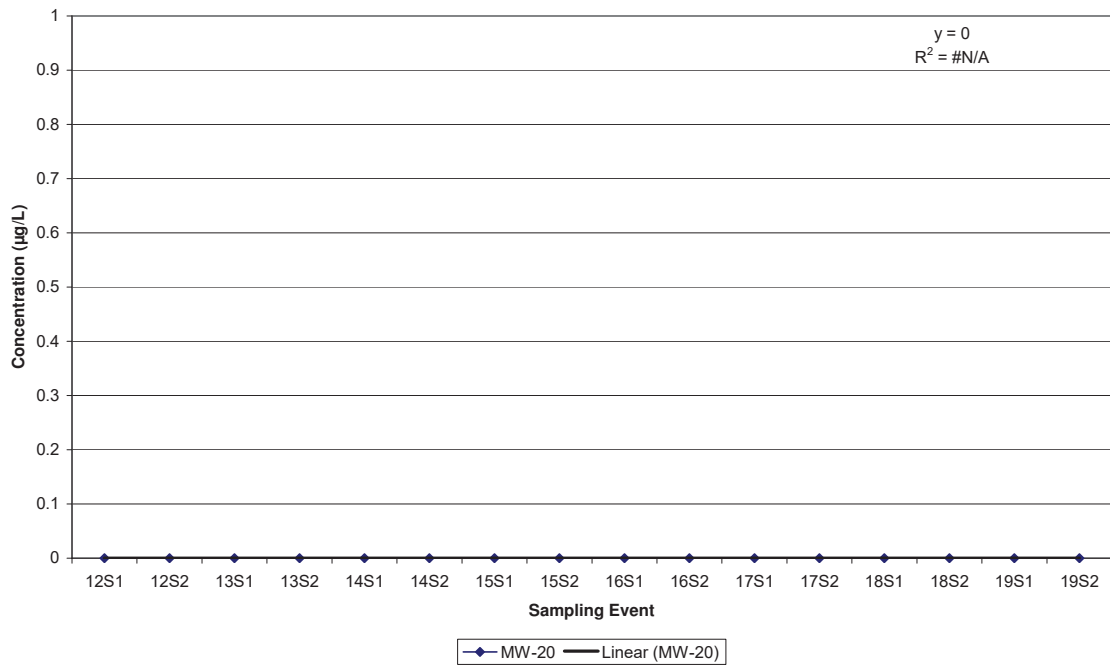
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-17



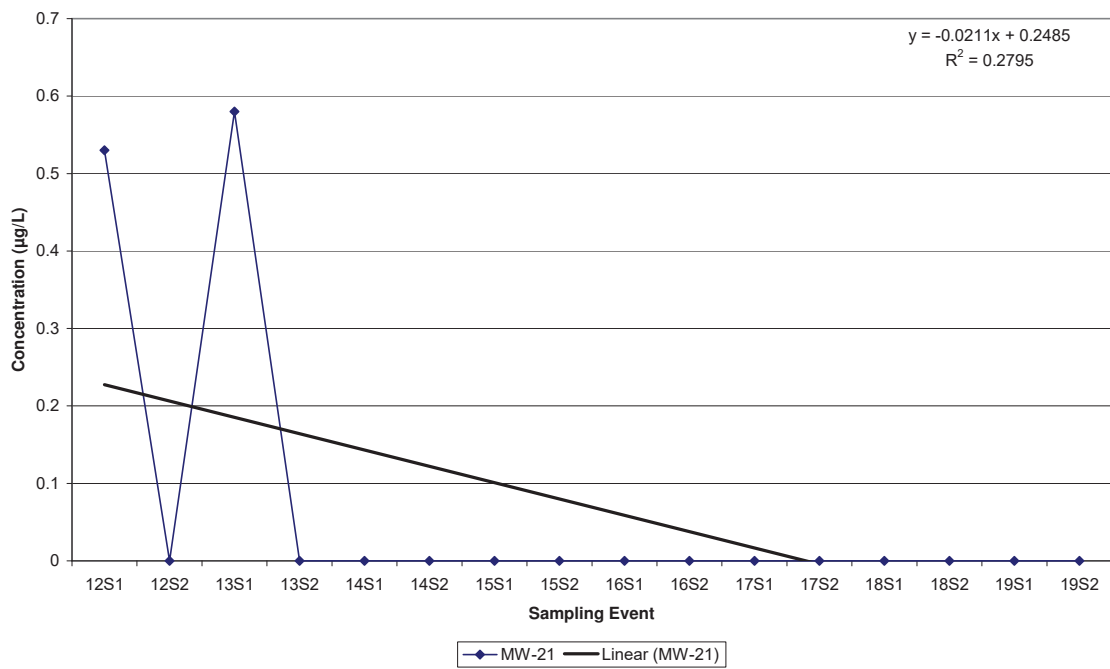
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-18



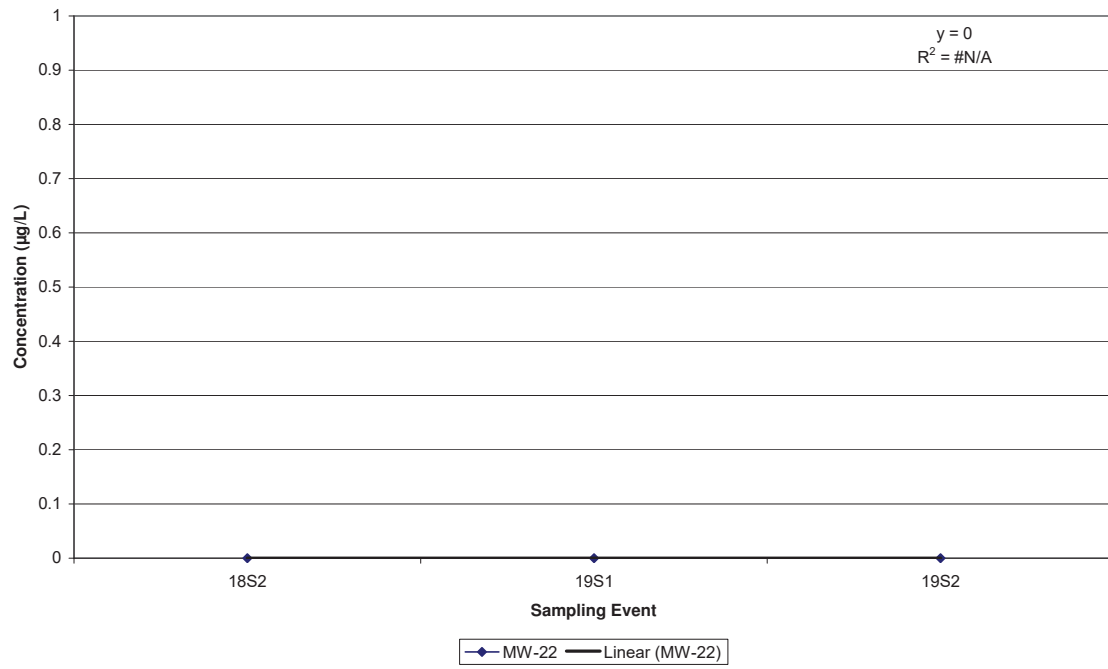
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-20



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



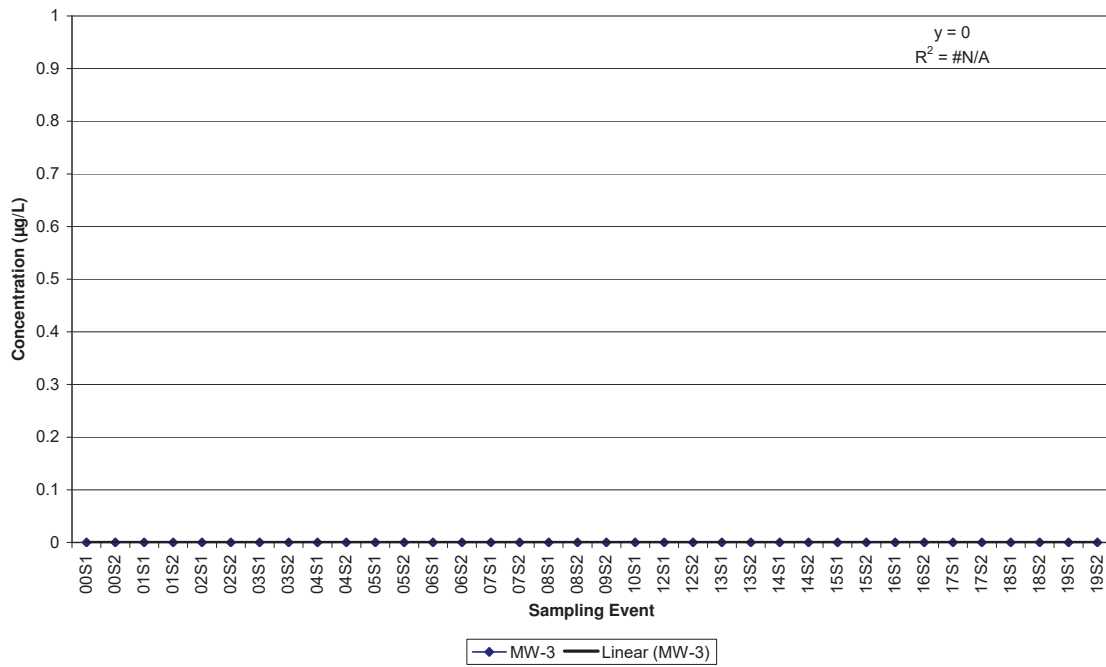
Citrus County Central Landfill  
Historic 1,1-Dichloroethane in MW-22



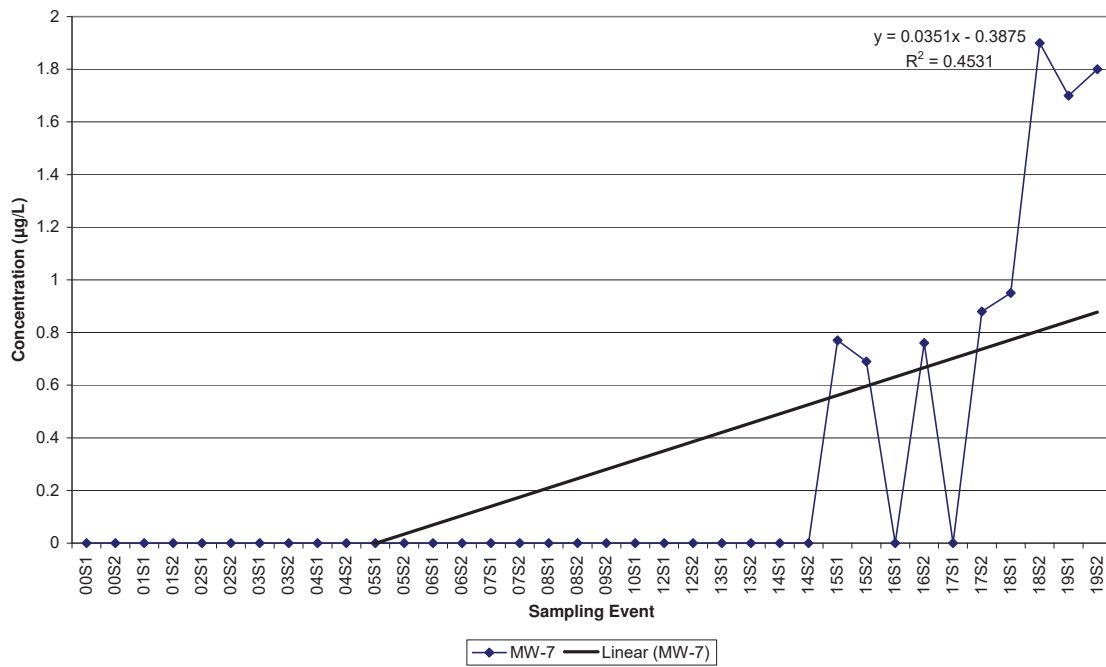


**Citrus County Central Landfill  
Historical cis-1,2-Dichloroethene Data**

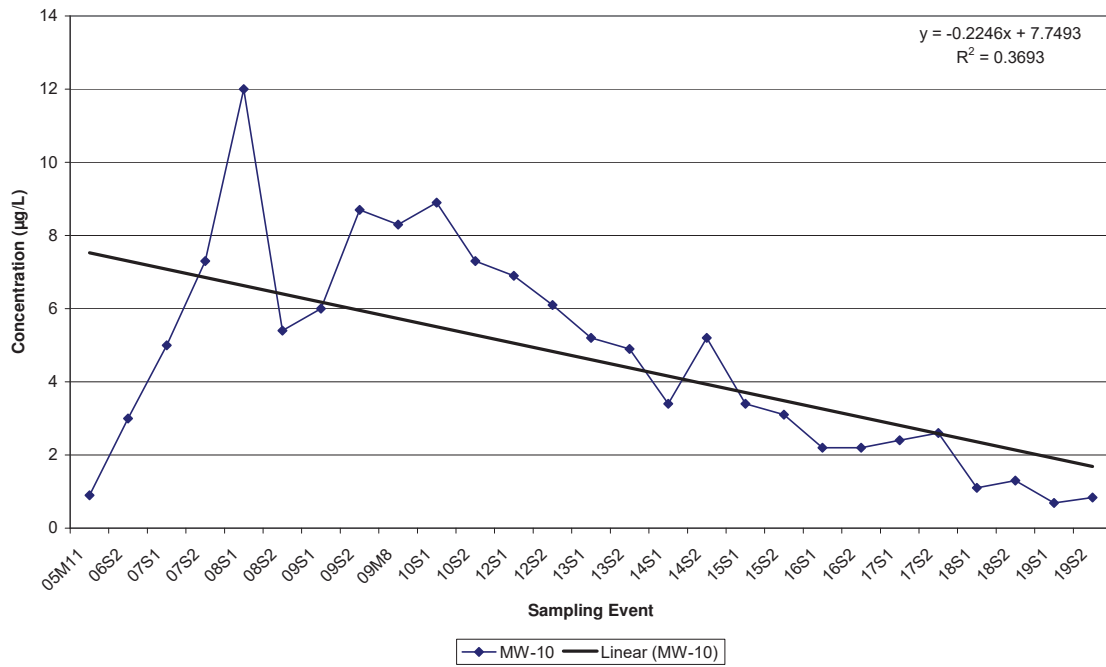
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-3**



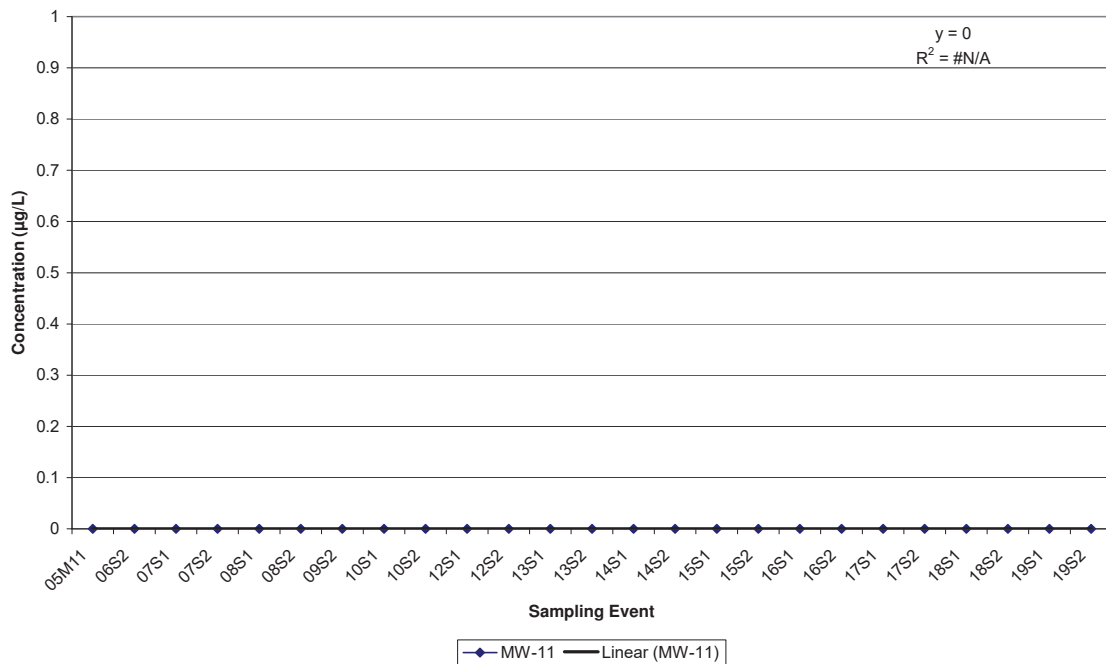
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-7**



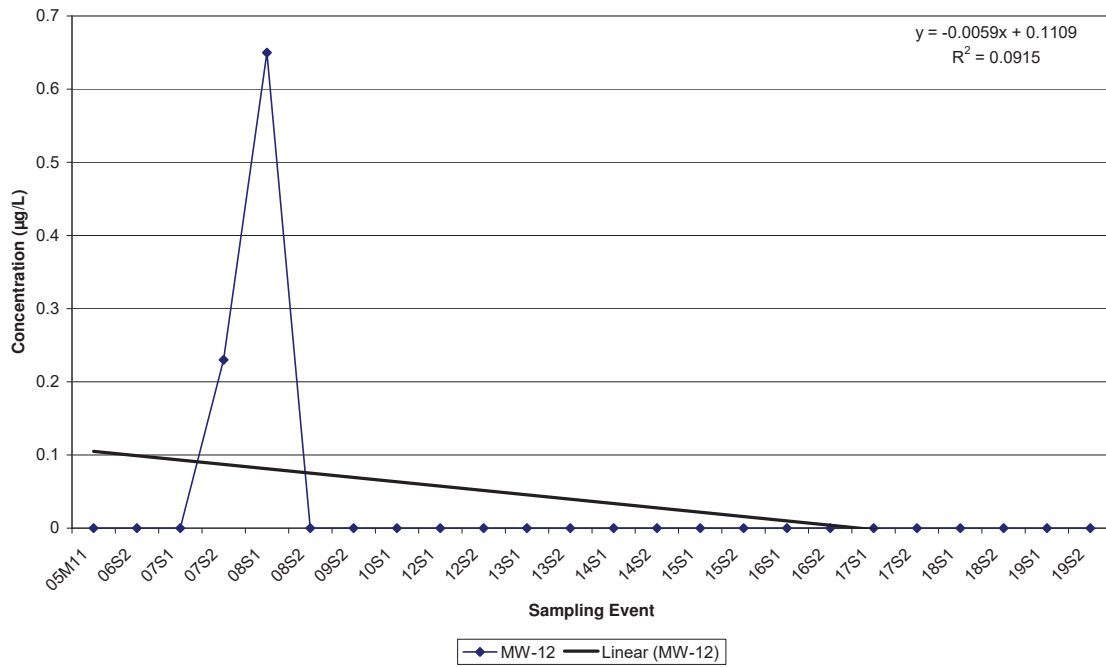
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-10



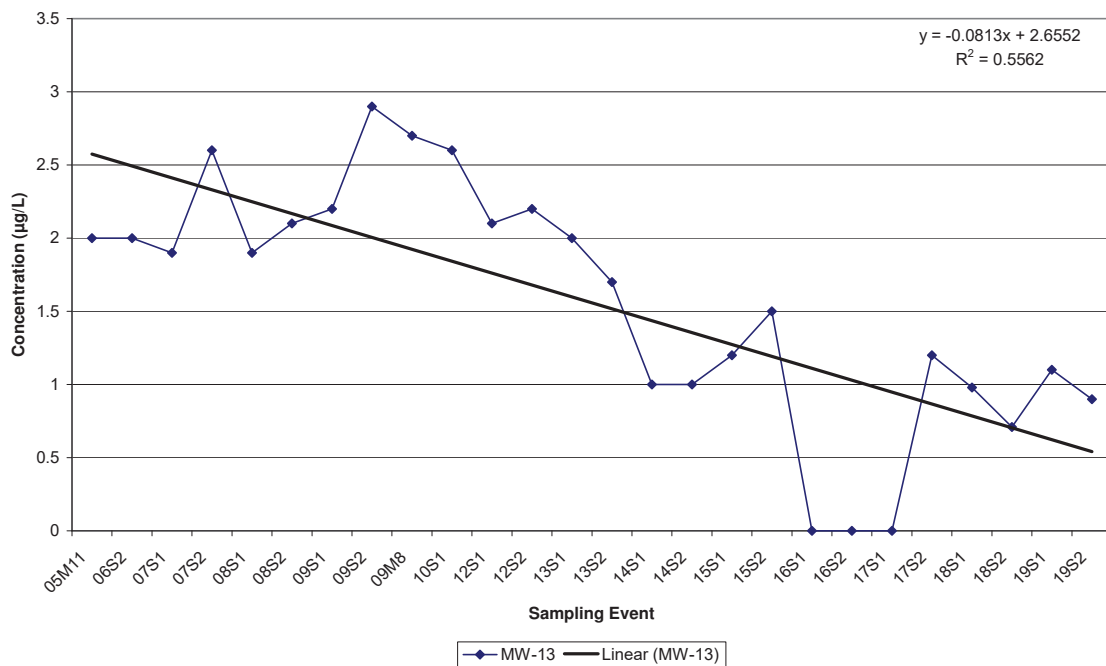
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-11



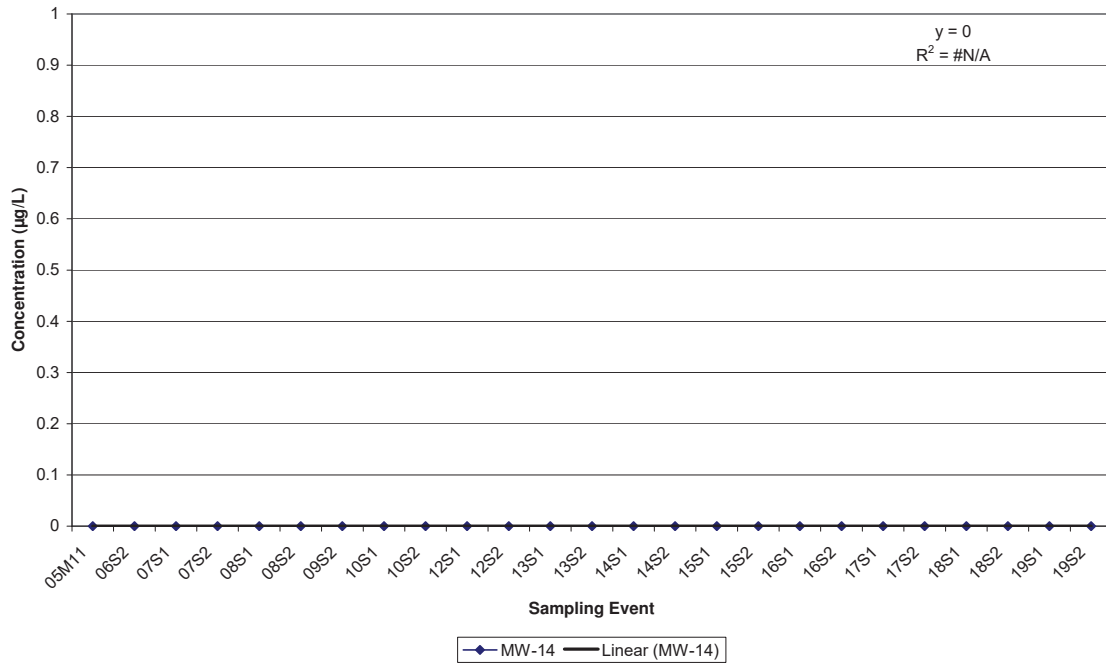
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-12**



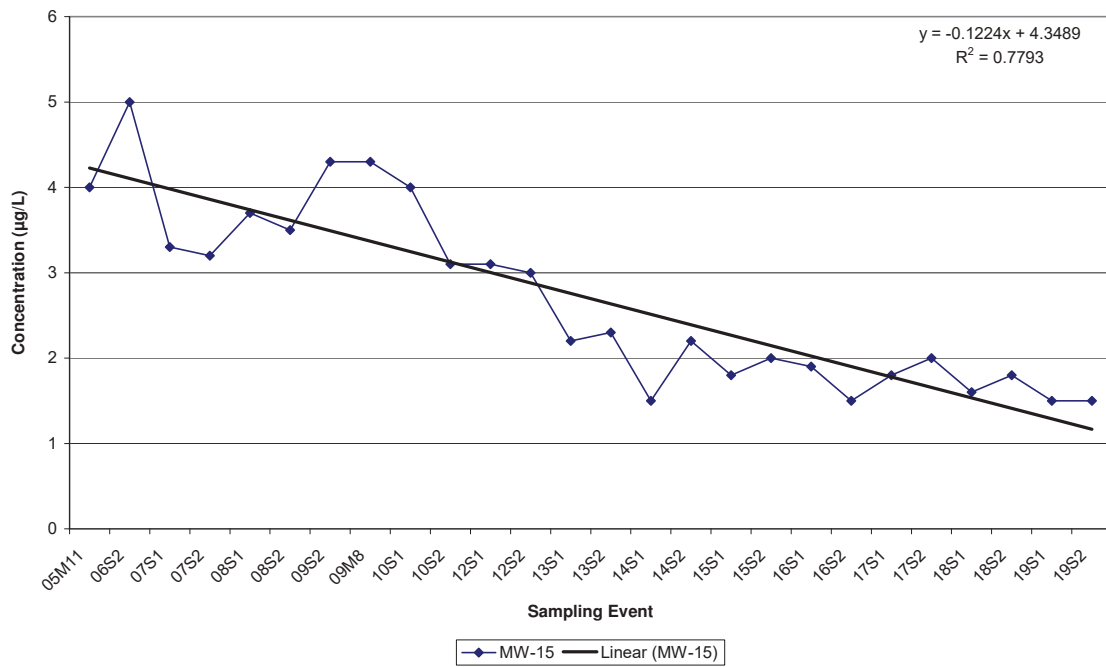
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-13**



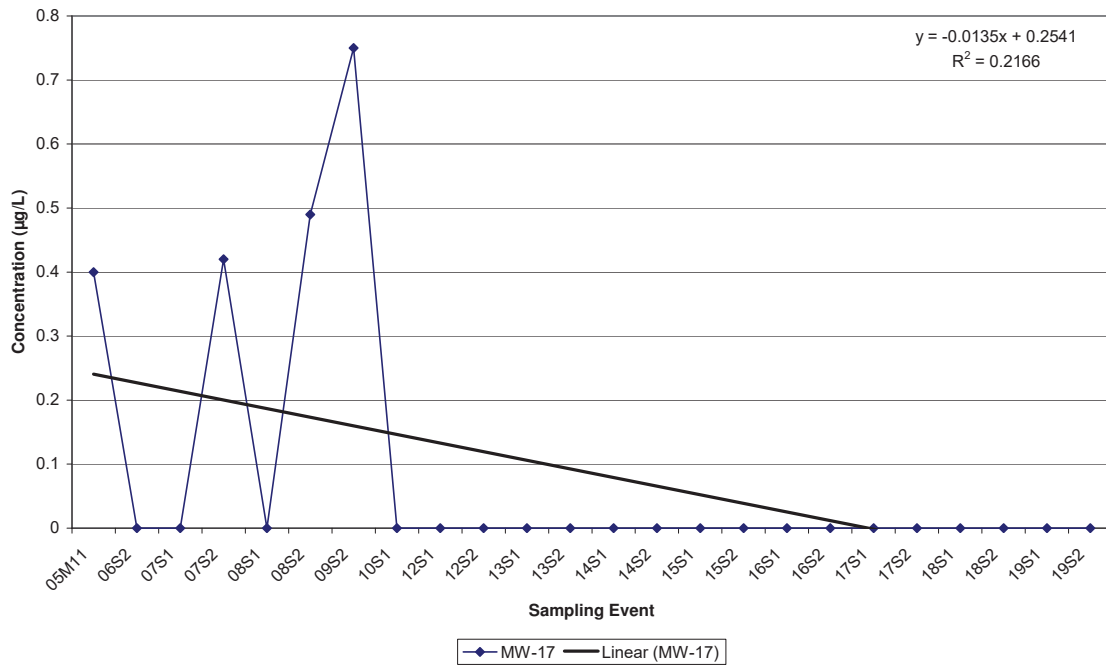
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-14**



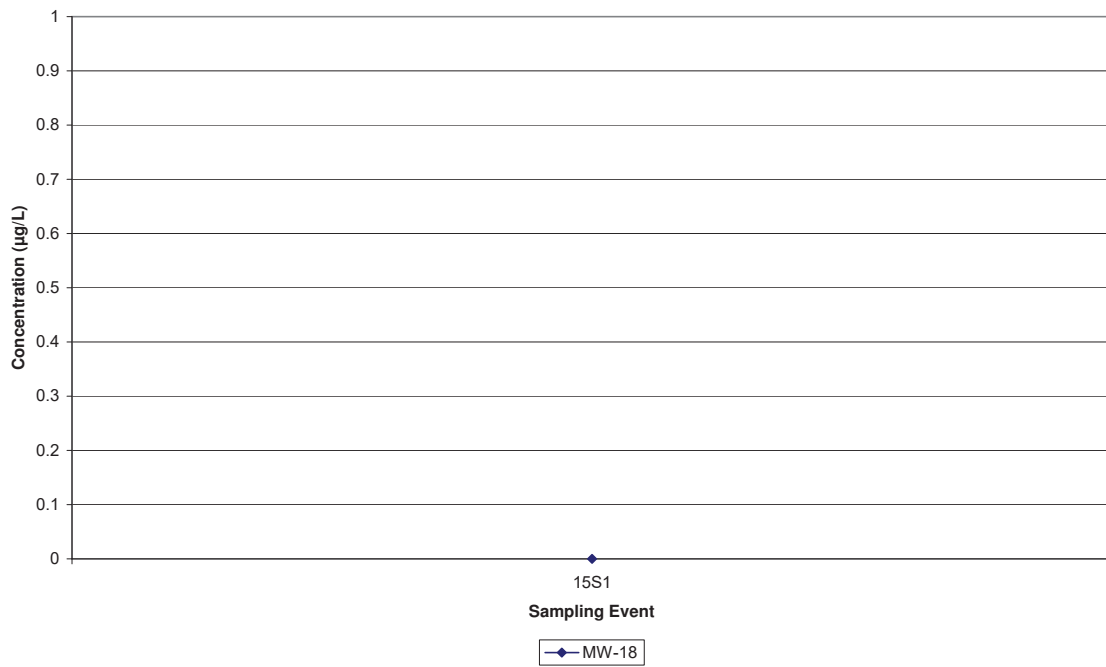
**Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-15**



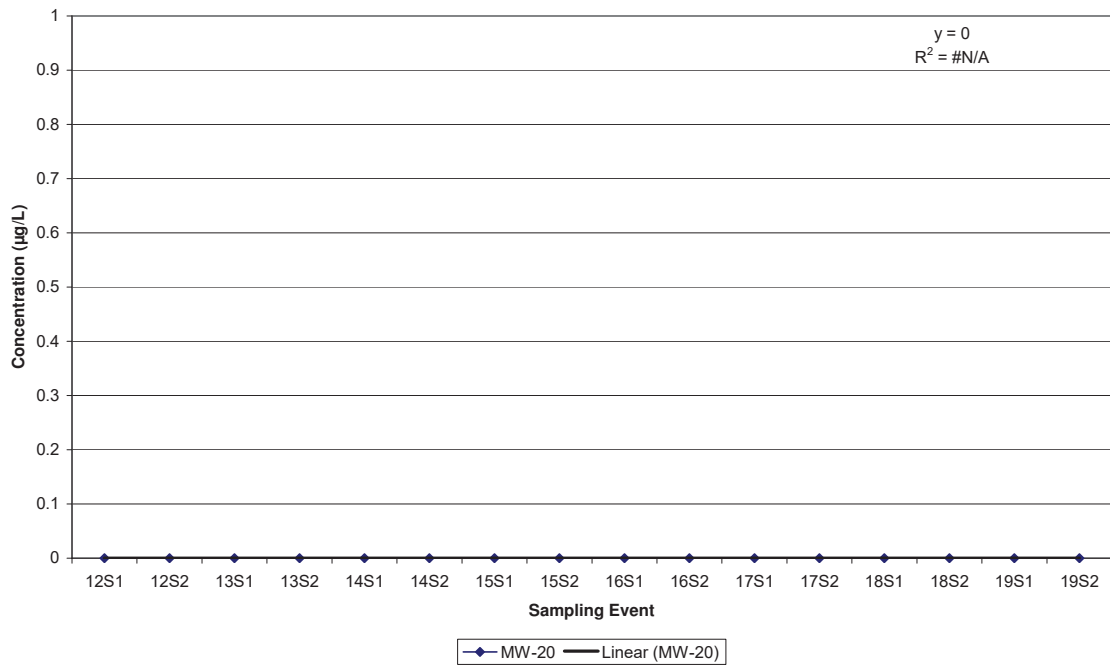
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-17



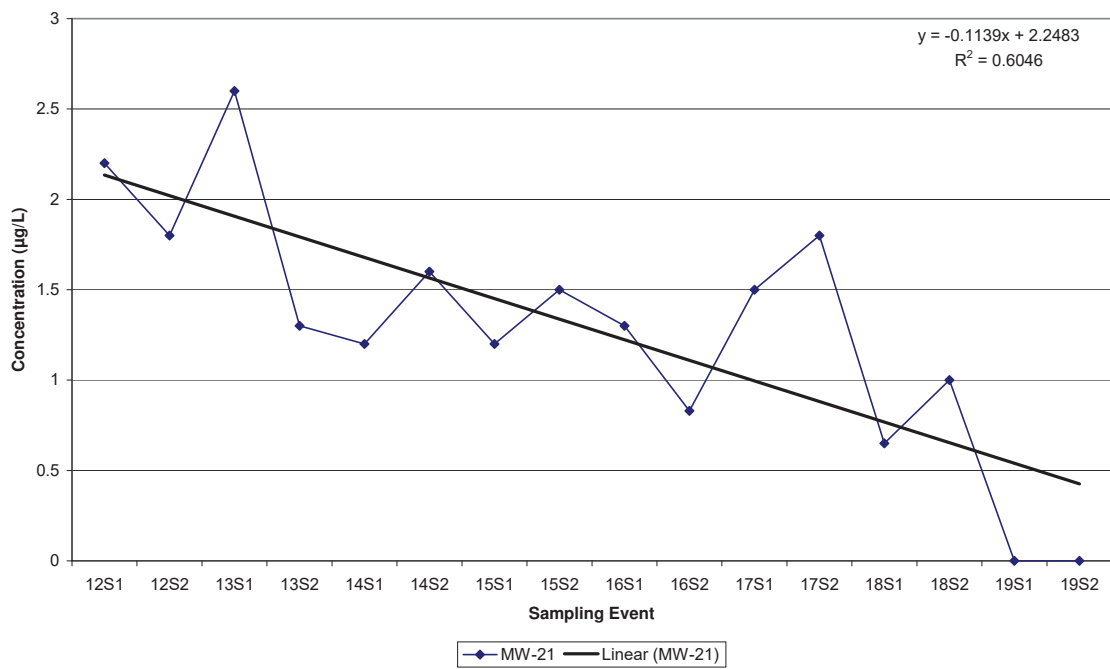
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-18



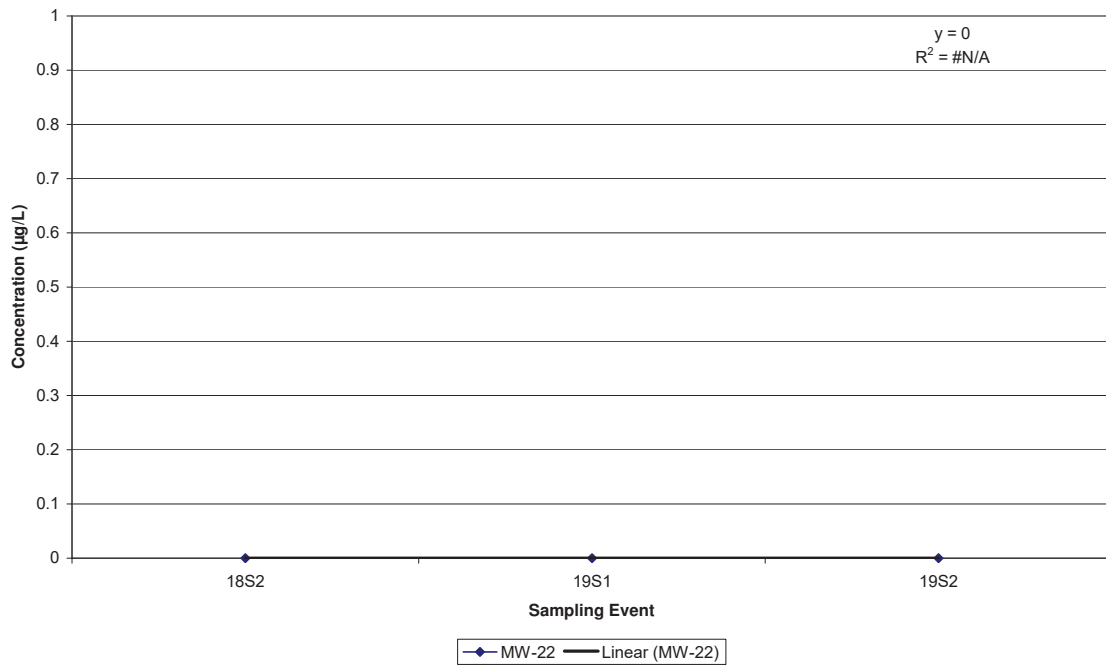
Citrus County Central Landfill  
Historic cis-1,2-Dichloroethene in MW-20



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



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





**ATTACHMENT 9**  
**RETENTION POND SAMPLING RESULTS**

**Parameters At or Above The  
Laboratory Detection Limit**

**PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT  
CITRUS COUNTY CENTRAL LANDFILL  
JANUARY 2014 THROUGH JULY 2019**

PARAMETER	CONDUCTIVITY (FIELD)	DISSOLVED OXYGEN (FIELD)	pH (FIELD)	REDOX POTENTIAL	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	
STANDARD UNITS	(1) uS/cm	(1) ppm	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	10 µg/L* µg/L	2000 µg/L* µg/L	4 µg/L* µg/L	
<b>Background</b>															
MW-3	01/22/2014	44	3.48	4.86	-	19.5	0.55	<0.026	7.6	1.2	8	<2.3	<1.3	16	<0.25
MW-3	07/22/2014	67	1.37	4.88	-	26.2	4.6	0.14 J	8.8	3	46	<2.3	<1.3	17	<0.25
MW-3	01/21/2015	56	4.15	4.70	-	22.0	0.51	0.11	10	5.8	66	<2.3	<1.3	15	<0.25
MW-3	07/22/2015	71	3.95	4.65	-	25.6	1.81	<0.1	7.7	1.7	54	<2.3	<1.3	12	<0.25
MW-3	03/22/2016	58	3.36	4.58	159	22.4	1.7	<0.1	7.7	3.7	28	<0.5	<1.5	29	<0.17
MW-3	07/26/2016	64	3.9	4.63	170	23.7	1.21	<0.1	8.0	1.80	40	<0.5	<1.5	18	<0.17
MW-3	01/24/2017	82	6.13	4.93	339.5	21.5	0.19	<0.0073	12	11	120	<2.50	<6.10	31.1 I	<0.940
MW-3	07/20/2017	155	4.36	4.75	292.5	24.6	0.52	<0.0073	12	11	120	<2.50	<6.10	36.2 I	<0.940
MW-3	02/07/2018	202	3.67	4.66	406.9	22.3	0.17	<0.0073	20	15	150	<2.50	<6.10	55.3 I	<0.940
MW-3	07/25/2018	128	4.96	4.39	288.7	24.3	0.18	<0.0073	12	11	160	<2.50	<6.10	46.7 I	<0.940
MW-3	02/13/2019	177	3.99	4.73	354.0	21.4	0.14	<0.0098	15	14	140	<2.50	<6.10	48.8 I	<0.940
MW-3	07/25/2019	133	6.03	4.70	285.1	23.3	0.25	<0.0098	9.2	9.3	96	<2.50	<5.00	<50.0	<0.500
<b>Surface Water</b>															
Retention Pond	05/03/2018	372	8.25	7.94	222.2	28.6	197	0.13	23	<0.052	420	1.82	8.09	53.8	0.108
Retention Pond	02/18/2019	436	8.42	8.45	49.8	29.0	41.0	0.43	31	0.20 I	300	1.51	4.94	25.2	<0.0940
Retention Pond	07/29/2019	497	10.37	8.58	61.9	34.3	27.1	0.58	22	<0.052	270	1.52	6.81	5.64 I	<0.0500

**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  
JANUARY 2014 THROUGH JULY 2019**

PARAMETER	CADMIUM	CHROMIUM	COBALT	COPPER	IRON	LEAD	MERCURY	NICKEL	SODIUM	THALLIUM	VANADIUM	ZINC	
STANDARD UNITS	5 µg/L*	100 µg/L*	140µg/L***	1000 µg/L**	300 µg/L**	15 µg/L*	2 µg/L*	100 µg/L*	160 mg/L*	2 µg/L*	49 µg/L***	5000 µg/L**	
<b>Background</b>													
MW-3	01/22/2014	0.14 I	<2.5	0.56	28	<33	3.3	<0.091	3.8 I	6.6	<0.5	<3.8	50
MW-3	07/22/2014	0.44 I	<2.5	0.56	48	100	2.9	<0.091	10	5.7	<0.5	<3.8	170
MW-3	01/21/2015	0.29 I	<2.5	0.4 I	27	<33	3.8	<0.091	6	6.5	<0.5	<3.8	66
MW-3	07/22/2015	0.61	<2.5	0.35 I	49	<33	2.1	<0.091	3.5 I	4.9	<0.5	<3.8	230
MW-3	03/22/2016	0.24 I	<1.6	0.58	71	34 I	6	<0.08	5	8.9	<0.49	<5.3	96
MW-3	07/26/2016	0.16 I	<1.6	0.44 I	43	<25	3.7	<0.08	3.1 I	7.4	<0.49	<5.3	69
MW-3	01/24/2017	<0.900	<4.50	<2.10	57.7	<38.0	5.24	<0.0230	5.62 I	8.4	<0.580	<2.00	70.2
MW-3	07/20/2017	<0.900	<4.50	<2.10	88.9	<38.0	5.57	0.0428 I	4.10 I	10.8	<0.580	<2.00	81.8
MW-3	02/07/2018	<0.900	<4.50	<2.10	118	<38.0	7.53	0.0650 I	6.46 I	14.4	<0.580	<2.00	99.4
MW-3	07/25/2018	<0.900	<4.50	<2.10	79.5	<38.0	7.15	<0.0230	4.99 I	10.6	<0.580	<2.00	81.8
MW-3	02/13/2019	<0.900	<4.50	<2.10	109	<38.0	6.38	<0.0230	4.34 I	11.7	<0.580	<2.00	109
MW-3	07/25/2019	<0.500	<5.00	<5.00	83.1	<25.0	<2.50	<0.0230	<5.00	7.42	<0.500	<5.00	63.9
<b>Surface Water</b>													
Retention Pond	05/03/2018	0.200 I	6.53	0.433 I	6.20	1280	3.74	<0.0230	3.38	21.5	0.0736 I	25.9	41.4
Retention Pond	02/18/2019	<0.0900	4.39	0.444 I	1.83	838	1.53	<0.0230	3.22	25.1	<0.0580	10.9	7.87
Retention Pond	07/29/2019	<0.0500	3.24	0.594 I	1.85	509	0.414 I	<0.0230	2.39	20.7	<0.0500	4.22	9.62

**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

**Original Laboratory Data Including  
Chain-Of-Custody Forms**



# ENCO Laboratories

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10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

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Wednesday, August 14, 2019

Jones Edmunds & Associates, Inc. (JO006)

Attn: Elizabeth Kennelley

730 N.E.Waldo Road Bldg.A

Gainesville, FL 32641

**RE: Laboratory Results for**

**Project Number: 03860-069-01, Project Name/Desc: Citrus Co. LF**

**ENCO Workorder(s): AC04863**

Dear Elizabeth Kennelley,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, July 30, 2019.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

David Camacho

Project Manager

Enclosure(s)



www.encolabs.com

**SAMPLE SUMMARY/LABORATORY CHRONICLE**

**Client ID: EQUIPMENT BLANK 2      Lab ID: AC04863-01      Sampled: 07/29/19 15:45      Received: 07/30/19 14:10**

<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	NA	07/31/19 15:45	07/30/19 17:16	07/31/19 00:38
EPA 300.0	NA	08/26/19	07/30/19 17:16	07/31/19 00:38
EPA 350.1	Same	08/26/19	08/07/19 08:05	08/07/19 10:15
EPA 6020B	EPA 3005A	01/25/20	08/06/19 11:14	08/08/19 12:58
EPA 7470A	EPA 7470A	08/26/19	07/31/19 14:18	08/01/19 09:23
SM 2540C-2011	NO PREP	08/05/19	07/31/19 15:36	08/01/19 19:33

**Client ID: Retention Pond      Lab ID: AC04863-02      Sampled: 07/29/19 15:50      Received: 07/30/19 14:10**

<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	NA	07/31/19 15:50	07/30/19 17:16	07/31/19 01:25
EPA 300.0	NA	08/26/19	07/30/19 17:16	07/31/19 01:25
EPA 350.1	Same	08/26/19	08/07/19 08:05	08/07/19 10:16
EPA 6020B	EPA 3005A	01/25/20	08/06/19 11:14	08/08/19 15:31
EPA 7470A	EPA 7470A	08/26/19	07/31/19 14:18	08/01/19 09:20
Field	NO PREP	07/29/19 16:04	07/29/19 15:50	07/29/19 15:50
Field	NO PREP	07/30/19 15:50    07/30/19 15:50	07/29/19 15:50	07/29/19 15:50
Field	NO PREP	07/31/19 15:50	07/29/19 15:50	07/29/19 15:50
SM 2540C-2011	NO PREP	08/05/19	07/31/19 15:36	08/01/19 19:33

**Client ID: Retention Pond      Lab ID: AC04863-02RE1      Sampled: 07/29/19 15:50      Received: 07/30/19 14:10**

<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 6020B	EPA 3005A	01/25/20	08/06/19 11:14	08/09/19 14:16



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**SAMPLE DETECTION SUMMARY**

<b>Client ID: Retention Pond</b>		<b>Lab ID: AC04863-02</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Ammonia as N	0.58		0.0098	0.020	mg/L	EPA 350.1	
Antimony - Total	1.52		0.250	0.500	ug/L	EPA 6020B	
Arsenic - Total	6.81		0.500	1.00	ug/L	EPA 6020B	
Barium - Total	5.64	I	5.00	10.0	ug/L	EPA 6020B	J
Chloride	22		0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	3.24		0.500	1.00	ug/L	EPA 6020B	
Cobalt - Total	0.594	I	0.500	1.00	ug/L	EPA 6020B	J
Copper - Total	1.85		0.250	1.00	ug/L	EPA 6020B	
Dissolved Oxygen	10.37		0	0	mg/L	Field	
Iron - Total	509		2.50	5.00	ug/L	EPA 6020B	
Lead - Total	0.414	I	0.250	0.500	ug/L	EPA 6020B	J
Nickel - Total	2.39		0.500	1.00	ug/L	EPA 6020B	
Oxidation/Reduction Potential	61.9		-999	-999	mV	Field	
pH	8.58				pH Units	Field	
Specific Conductance (EC)	497		0	0	umhos/cm	Field	
Temperature	34.3		0	0	°C	Field	
Total Dissolved Solids	270		10	10	mg/L	SM 2540C-2011	
Turbidity	27.1		0	0	NTU	Field	
Vanadium - Total	4.22		0.500	1.00	ug/L	EPA 6020B	
Zinc - Total	9.62		2.50	5.00	ug/L	EPA 6020B	

<b>Client ID: Retention Pond</b>		<b>Lab ID: AC04863-02RE1</b>					
<b>Analyte</b>	<b>Results</b>	<b>Flag</b>	<b>MDL</b>	<b>PQL</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Sodium - Total	20.7		0.640	2.00	mg/L	EPA 6020B	D



**ANALYTICAL RESULTS**

**Description:** EQUIPMENT BLANK 2

**Lab Sample ID:** AC04863-01

**Received:** 07/30/19 14:10

**Matrix:** Surface Water

**Sampled:** 07/29/19 15:45

**Work Order:** AC04863

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Metals by EPA 6000/7000 Series Methods**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G31026	EPA 7470A	08/01/19 09:23	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	0.250	U	ug/L	1	0.250	0.500	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Arsenic [7440-38-2]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Barium [7440-39-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Beryllium [7440-41-7]	0.0500	U	ug/L	1	0.0500	0.100	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Cadmium [7440-43-9]	0.0500	U	ug/L	1	0.0500	0.300	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Chromium [7440-47-3]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Cobalt [7440-48-4]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Copper [7440-50-8]	0.250	U	ug/L	1	0.250	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Iron [7439-89-6]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Lead [7439-92-1]	0.250	U	ug/L	1	0.250	0.500	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Nickel [7440-02-0]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Selenium [7782-49-2]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Silver [7440-22-4]	0.0500	U	ug/L	1	0.0500	0.100	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Sodium [7440-23-5]	0.0320	U	mg/L	1	0.0320	0.100	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Thallium [7440-28-0]	0.0500	U	ug/L	1	0.0500	0.100	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Vanadium [7440-62-2]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U
Zinc [7440-66-6]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 12:58	CRG	U

**Classical Chemistry Parameters**

*^ - ENCO Orlando certified analyte [NELAC E83182]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9H07008	EPA 350.1	08/07/19 10:15	KGonz	U
Chloride [16887-00-6]^	0.29	U	mg/L	1	0.29	5.0	9G30016	EPA 300.0	07/31/19 00:38	RSA	U
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G30016	EPA 300.0	07/31/19 00:38	RSA	U
Total Dissolved Solids^	10	U	mg/L	1	10	10	9G31035	SM 2540C-2011	08/01/19 19:33	AH	U

**ANALYTICAL RESULTS**

**Description:** Retention Pond

**Lab Sample ID:** AC04863-02

**Received:** 07/30/19 14:10

**Matrix:** Surface Water

**Sampled:** 07/29/19 15:50

**Work Order:** AC04863

**Project:** Citrus Co. LF

**Sampled By:** steve Messick

**Metals by EPA 6000/7000 Series Methods**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	9G31026	EPA 7470A	08/01/19 09:20	CRG	U

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]	1.52		ug/L	1	0.250	0.500	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Arsenic [7440-38-2]	6.81		ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Barium [7440-39-3]	5.64	I	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 15:31	CRG	J
Beryllium [7440-41-7]	0.0500	U	ug/L	1	0.0500	0.100	9H06006	EPA 6020B	08/08/19 15:31	CRG	U
Cadmium [7440-43-9]	0.0500	U	ug/L	1	0.0500	0.300	9H06006	EPA 6020B	08/08/19 15:31	CRG	U
Chromium [7440-47-3]	3.24		ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Cobalt [7440-48-4]	0.594	I	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	J
Copper [7440-50-8]	1.85		ug/L	1	0.250	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Iron [7439-89-6]	509		ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Lead [7439-92-1]	0.414	I	ug/L	1	0.250	0.500	9H06006	EPA 6020B	08/08/19 15:31	CRG	J
Nickel [7440-02-0]	2.39		ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Selenium [7782-49-2]	0.500	U	ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	U
Silver [7440-22-4]	0.0500	U	ug/L	1	0.0500	0.100	9H06006	EPA 6020B	08/08/19 15:31	CRG	U
Sodium [7440-23-5]	20.7		mg/L	20	0.640	2.00	9H06006	EPA 6020B	08/09/19 14:16	CRG	D
Thallium [7440-28-0]	0.0500	U	ug/L	1	0.0500	0.100	9H06006	EPA 6020B	08/08/19 15:31	CRG	U
Vanadium [7440-62-2]	4.22		ug/L	1	0.500	1.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	
Zinc [7440-66-6]	9.62		ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 15:31	CRG	

**Classical Chemistry Parameters**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.58		mg/L	1	0.0098	0.020	9H07008	EPA 350.1	08/07/19 10:16	KGonz	
Chloride [16887-00-6]^	22		mg/L	1	0.29	5.0	9G30016	EPA 300.0	07/31/19 01:25	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9G30016	EPA 300.0	07/31/19 01:25	RSA	U
Total Dissolved Solids^	270		mg/L	1	10	10	9G31035	SM 2540C-2011	08/01/19 19:33	AH	

**Field Parameters**

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	10.37		mg/L	1	0	0	9H01029	Field	07/29/19 15:50	DMC	
Oxidation/Reduction Potential	61.9		mV	1	-999	-999	9H01029	Field	07/29/19 15:50	DMC	
pH	8.58		pH Units	1			9H01029	Field	07/29/19 15:50	DMC	
Specific Conductance (EC)	497		umhos/cm	1	0	0	9H01029	Field	07/29/19 15:50	DMC	
Temperature	34.3		°C	1	0	0	9H01029	Field	07/29/19 15:50	DMC	
Turbidity	27.1		NTU	1	0	0	9H01029	Field	07/29/19 15:50	DMC	

**QUALITY CONTROL DATA**

**Metals by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9G31026 - EPA 7470A**

**Blank (9G31026-BLK1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 08:56

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**Blank (9G31026-BLK2)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 08:59

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							U

**Blank (9G31026-BLK3)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							U

**LCS (9G31026-BS1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.05		0.200	ug/L	5.00		101	80-120			

**Matrix Spike (9G31026-MS1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:14

Source: AC05453-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	49.7		2.00	ug/L	50.0	0.230 U	99	75-125			

**Matrix Spike Dup (9G31026-MSD1)**

Prepared: 07/31/2019 14:18 Analyzed: 08/01/2019 09:17

Source: AC05453-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	50.2		2.00	ug/L	50.0	0.230 U	100	75-125	0.9	20	

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9H06006 - EPA 3005A**

**Blank (9H06006-BLK1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:23

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							U
Arsenic	5.00	U	10.0	ug/L							U
Barium	50.0	U	100	ug/L							U
Beryllium	0.500	U	1.00	ug/L							U
Cadmium	0.500	U	3.00	ug/L							U
Chromium	5.00	U	10.0	ug/L							U
Cobalt	5.00	U	10.0	ug/L							U
Copper	2.50	U	10.0	ug/L							U
Iron	25.0	U	50.0	ug/L							U
Lead	2.50	U	5.00	ug/L							U
Nickel	5.00	U	10.0	ug/L							U
Selenium	5.00	U	10.0	ug/L							U
Silver	0.500	U	1.00	ug/L							U
Sodium	0.500	U	1.00	mg/L							U

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

**Batch 9H06006 - EPA 3005A - Continued**

**Blank (9H06006-BLK1) Continued**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:23

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Thallium	0.500	U	1.00	ug/L							U
Vanadium	5.00	U	10.0	ug/L							U
Zinc	25.0	U	50.0	ug/L							U

**Blank (9H06006-BLK2)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:28

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	0.250	U	0.500	ug/L							U
Arsenic	0.500	U	1.00	ug/L							U
Barium	5.00	U	10.0	ug/L							U
Beryllium	0.0500	U	0.100	ug/L							U
Cadmium	0.0500	U	0.300	ug/L							U
Chromium	0.500	U	1.00	ug/L							U
Cobalt	0.500	U	1.00	ug/L							U
Copper	0.250	U	1.00	ug/L							U
Iron	2.50	U	5.00	ug/L							U
Lead	0.250	U	0.500	ug/L							U
Nickel	0.500	U	1.00	ug/L							U
Selenium	0.500	U	1.00	ug/L							U
Silver	0.0500	U	0.100	ug/L							U
Sodium	0.0500	U	0.100	mg/L							U
Thallium	0.0500	U	0.100	ug/L							U
Vanadium	0.500	U	1.00	ug/L							U
Zinc	2.50	U	5.00	ug/L							U

**LCS (9H06006-BS1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:32

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	51.3		5.00	ug/L	50.0		103	80-120			
Arsenic	491		10.0	ug/L	500		98	80-120			
Barium	518		100	ug/L	500		104	80-120			
Beryllium	49.0		1.00	ug/L	50.0		98	80-120			
Cadmium	50.1		3.00	ug/L	50.0		100	80-120			
Chromium	520		10.0	ug/L	500		104	80-120			
Cobalt	503		10.0	ug/L	500		101	80-120			
Copper	508		10.0	ug/L	500		102	80-120			
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	507		5.00	ug/L	500		101	80-120			
Nickel	509		10.0	ug/L	500		102	80-120			
Selenium	483		10.0	ug/L	500		97	80-120			
Silver	52.4		1.00	ug/L	50.0		105	80-120			
Sodium	25.6		1.00	mg/L	25.0		103	80-120			
Thallium	50.7		1.00	ug/L	50.0		101	80-120			
Vanadium	503		10.0	ug/L	500		101	80-120			
Zinc	485		50.0	ug/L	500		97	80-120			

**QUALITY CONTROL DATA**

**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

*Batch 9H06006 - EPA 3005A - Continued*

**Matrix Spike (9H06006-MS1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:39

Source: AC05233-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	50.4		5.00	ug/L	50.0	2.50 U	101	75-125			
Arsenic	501		10.0	ug/L	500	6.52	99	75-125			
Barium	527		100	ug/L	500	50.0 U	105	75-125			
Beryllium	48.9		1.00	ug/L	50.0	0.500 U	98	75-125			
Cadmium	50.2		3.00	ug/L	50.0	0.500 U	100	75-125			
Chromium	532		10.0	ug/L	500	5.00 U	106	75-125			
Cobalt	514		10.0	ug/L	500	5.00 U	103	75-125			
Copper	513		10.0	ug/L	500	2.50 U	103	75-125			
Iron	2130		50.0	ug/L	1000	1000	113	75-125			
Lead	510		5.00	ug/L	500	2.50 U	102	75-125			
Nickel	518		10.0	ug/L	500	5.00 U	104	75-125			
Selenium	486		10.0	ug/L	500	5.00 U	97	75-125			
Silver	51.0		1.00	ug/L	50.0	0.500 U	102	75-125			
Sodium	31.5		1.00	mg/L	25.0	5.69	103	75-125			
Thallium	51.2		1.00	ug/L	50.0	0.500 U	102	75-125			
Vanadium	510		10.0	ug/L	500	5.00 U	102	75-125			
Zinc	488		50.0	ug/L	500	25.0 U	98	75-125			

**Matrix Spike Dup (9H06006-MSD1)**

Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:43

Source: AC05233-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	51.4		5.00	ug/L	50.0	2.50 U	103	75-125	2	20	
Arsenic	508		10.0	ug/L	500	6.52	100	75-125	1	20	
Barium	529		100	ug/L	500	50.0 U	106	75-125	0.5	20	
Beryllium	49.9		1.00	ug/L	50.0	0.500 U	100	75-125	2	20	
Cadmium	50.8		3.00	ug/L	50.0	0.500 U	102	75-125	1	20	
Chromium	524		10.0	ug/L	500	5.00 U	105	75-125	1	20	
Cobalt	507		10.0	ug/L	500	5.00 U	101	75-125	1	20	
Copper	509		10.0	ug/L	500	2.50 U	102	75-125	0.7	20	
Iron	2120		50.0	ug/L	1000	1000	112	75-125	0.3	20	
Lead	509		5.00	ug/L	500	2.50 U	102	75-125	0.1	20	
Nickel	511		10.0	ug/L	500	5.00 U	102	75-125	1	20	
Selenium	491		10.0	ug/L	500	5.00 U	98	75-125	1	20	
Silver	51.8		1.00	ug/L	50.0	0.500 U	104	75-125	2	20	
Sodium	31.4		1.00	mg/L	25.0	5.69	103	75-125	0.5	20	
Thallium	50.8		1.00	ug/L	50.0	0.500 U	102	75-125	0.7	20	
Vanadium	505		10.0	ug/L	500	5.00 U	101	75-125	0.9	20	
Zinc	484		50.0	ug/L	500	25.0 U	97	75-125	0.8	20	

**Classical Chemistry Parameters - Quality Control**

*Batch 9G30016 - NO PREP*

**Blank (9G30016-BLK1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 21:32

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Chloride	0.29	U	5.0	mg/L							U
Nitrate as N	0.052	U	1.0	mg/L							U

**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

**Batch 9G30016 - NO PREP - Continued**

**LCS (9G30016-BS1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 21:47

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	47		5.0	mg/L	50.0		94	90-110			
Nitrate as N	24		1.0	mg/L	25.0		97	90-110			

**Matrix Spike (9G30016-MS1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 22:03

Source: AC05516-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	4.9	98	90-110			
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	98	90-110			

**Matrix Spike (9G30016-MS2)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 23:36

Source: AC05266-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0	5.2	90	90-110			QM-11
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110			

**Matrix Spike Dup (9G30016-MSD1)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 22:18

Source: AC05516-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	53		5.0	mg/L	50.0	4.9	96	90-110	2	10	
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110	1	10	

**Matrix Spike Dup (9G30016-MSD2)**

Prepared: 07/30/2019 17:16 Analyzed: 07/30/2019 23:52

Source: AC05266-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	56		5.0	mg/L	50.0	5.2	103	90-110	12	10	QM-11
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	100	90-110	3	10	

**Batch 9G31035 - NO PREP**

**Blank (9G31035-BLK1)**

Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							U

**LCS (9G31035-BS1)**

Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	940		10	mg/L	1000		94	90-110			

**Duplicate (9G31035-DUP1)**

Prepared: 07/31/2019 15:36 Analyzed: 08/01/2019 19:33

Source: AC04863-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	270		10	mg/L		270			0.7	20	

**Batch 9H07008 - NO PREP**

**QUALITY CONTROL DATA**

**Classical Chemistry Parameters - Quality Control**

*Batch 9H07008 - NO PREP - Continued*

**Blank (9H07008-BLK1)**

Prepared: 08/07/2019 08:05 Analyzed: 08/07/2019 10:06

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	0.0098	U	0.020	mg/L							U

**LCS (9H07008-BS1)**

Prepared: 08/07/2019 08:05 Analyzed: 08/07/2019 10:08

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	0.95		0.020	mg/L	1.00		95	90-110			

**Matrix Spike (9H07008-MS1)**

Prepared: 08/07/2019 08:05 Analyzed: 08/07/2019 10:43

**Source: AC05583-01**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.1		0.020	mg/L	1.00	0.10	100	90-110			

**Matrix Spike (9H07008-MS2)**

Prepared: 08/07/2019 08:05 Analyzed: 08/07/2019 10:32

**Source: AC05403-05**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.1		0.020	mg/L	1.00	0.020	104	90-110			

**Matrix Spike Dup (9H07008-MSD1)**

Prepared: 08/07/2019 08:05 Analyzed: 08/07/2019 10:45

**Source: AC05583-01**

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Ammonia as N	1.1		0.020	mg/L	1.00	0.10	100	90-110	0.9	10	

**FLAGS/NOTES AND DEFINITIONS**

<b>PQL</b>	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
<b>B</b>	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
<b>I</b>	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
<b>J</b>	Estimated value.
<b>K</b>	Off-scale low; Actual value is known to be less than the value given.
<b>L</b>	Off-scale high; Actual value is known to be greater than value given.
<b>M</b>	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
<b>N</b>	Presumptive evidence of presence of material.
<b>O</b>	Sampled, but analysis lost or not performed.
<b>Q</b>	Sample exceeded the accepted holding time.
<b>T</b>	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
<b>U</b>	Indicates that the compound was analyzed for but not detected.
<b>V</b>	Indicates that the analyte was detected in both the sample and the associated method blank.
<b>Y</b>	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
<b>Z</b>	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
<b>?</b>	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
<b>*</b>	Not reported due to interference.
<b>[CALC]</b>	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
<b>QM-11</b>	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.





**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

10775 Central Port Dr.  
Orlando, FL 32824  
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111  
Jacksonville, FL 32216-6069  
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.  
Cary, NC 27511  
(919) 467-3090 Fax (919) 467-3515

Client Name <b>Jones Edmunds &amp; Associates, Inc. (JO008)</b>		Project Number <b>03860-069-01</b>		Requested Analyses  Ammonia 350.1 Chloride 300 Nitrate as N 300 TDS SM2540C AP1 Metals (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Ni, Pb, Se, Tl, V, Zn) Iron Total Mercury Total Sodium Total							Requested Turnaround Times Note: Rush requests subject to acceptance by the facility  <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited Due <u>  </u> / <u>  </u> / <u>  </u>	
Address <b>730 N.E. Waldo Road Bldg. A</b>		Project Name/Desc <b>Citrus Co. LF</b>									City/ST/Zip <b>Gainesville, FL 32641</b>	
Tel <b>(352) 377-5821</b>	Fax <b>(352) 377-3166</b>	Reporting Contact <b>Elizabeth Kennelley</b>		Preservation (See Codes) (Combine as necessary)								
Sampler(s) Name, Affiliation (Print) <b>Steve Messick, Jones Edmunds &amp; Assoc. Inc.</b>		Billing Contact <b>Accounts Payable</b>										
Sampler(s) Signature <i>Steve Messick</i>		Site Location / Time Zone <b>Le canto, FL. / EST</b>										

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers								Sample Comments
1	<del>EQULZK#2</del> <del>(1952CC-FAB7)</del>	7/29/19	1545	G	O	3	✓	✓	✓	✓	✓	✓	✓	New lab bottle blank w/ dist. water
2	Retention Pond (1952CC-RA)	7/29/19	1550	G	M (S.W)	3	✓	✓	✓	✓	✓	✓	✓	
<i>S. Messick</i>														

Sample Kit Prepared By <b>ZNA</b>		Date/Time <b>7/8/19 11:10</b>		Relinquished By <i>[Signature]</i>		Date/Time <b>7/8/19 11:10</b>		Received By <i>Steve Messick</i>		Date/Time <b>7/23/19 @ 0700</b>	
Comments/Special Reporting Requirements <b>Sample shipped by Greyhound Bus Priority from Gainesville to Orlando, FL. 1 Cooler</b>		Relinquished By <i>Steve Messick</i>		Date/Time <b>7/29/19 @ 1630</b>		Received By <i>Rosa Marval</i>		Date/Time <b>7/30/19 14:10</b>			
		Cooler #'s & Temps on Receipt <b>Med-475 1.5°C</b>		Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable							

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Jones, Edmunds, and Associates, Inc.  
 Environmental Consultants  
 730 NE Waldo Road  
 Gainesville, Florida 32641  
 (352) 377-5821 Fax (352) 377-3166

Please return a copy of this  
 form with original lab report.

Collection Method:	Description:
BA	BAILER
BP	BLADDER PUMP
CP	CENTRIFUGAL PUMP
E	GRAB
M	METER READING
PP	PERISTALTIC PUMP
SP	SUBMERSIBLE OR IN-PLACE DEDICATED PUMP
Z	UNKNOWN

\* Initial Depth to Water at Time of Sampling

### Field Data Information Form

Project Name: Citrus County - Central Class I Landfill  
 Project Number: 03860-069-01  
 Date: 7/29/19  
 Sampler: Steve Messick  
 Laboratory: ENCO Lab - Orlando, Florida

Sampling Station	Date	Time	pH (S. U.)	Temp (Deg C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Static Depth to Water *	Collection Method
MW-18	7/28/19	0955	4.98	24.1	44	2.28	4.9	227.1	106.95	SP
MW-18D		1119	5.09	29.3	37	1.03	0.7	120.5	106.57	CP
MW-19D		1248	6.17	28.3	360	0.56	0.4	-77.6	105.69	CP
MW-22		1515	6.92	30.1	507	0.39	4.83	-19.1	107.02	CP
Retention Pond	↓	1550	8.58	34.3	497	10.37	27.1	61.9	—	E

Pond

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY

## **Field Data Sheets**

## Florida Department of Environmental Protection SURFACE WATER SAMPLING LOG

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
STATION # <b>EQUBLK#2</b>	WACS ID: <b>N/A</b>	SAMPLE ID: <b>19S1CC-EQB2</b>	DATE: <b>7/29/19</b>

### FIELD MEASUREMENT DATA

DEPTH OF WATER :		WATER DICHARGING/ ESTIMATED DISCHARGE RATE: GAL/MIN									
OBSERVATIONS:											
SAMPLE METHOD: <b>New bottles</b>				SAMPLE INITIATED AT: <b>1545</b>				SAMPLE ENDED AT: <b>15</b>			
Time	Water Depth (ft)	Secchi Depth (ft)	Sample Depth (ft)	pH	Temp. (°C)	Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTUs)	Color	Odor	ORP (mVolts)
<i>No Readings taken</i>											

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION <b>/ Jones Edmunds</b>		<i>Steve Messick</i>		SAMPLER(S) SIGNATURE(S) <i>Steve Messick</i>	
--	--	----------------------	--	---	--

FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input type="radio"/>	FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>
---	--	---

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
1	PE	250mL	HNO3	None	*	AP-1 metals, Fe, Hg, Na
1	PE	250mL	H2SO4	None	*	Ammonia
1	PE	250ml	None	None	N/A	Chloride, Nitrate-N, TDS

REMARKS:

Sky Conditions: Cloudy

Ambient Air Temperature: 35°C

Approx. Wind Speed and Direction: 0-7 mph E

COMMENTS: New lab bottle rinse with Zeph. Distilled water Lot # 061319164 WPF233

**Florida Department of Environmental Protection  
SURFACE WATER SAMPLING LOG**

SITE NAME: <b>Citrus County Central Class I LF</b>		SITE LOCATION: <b>Lecanto, Florida</b>	
STATION # <b>Retention Pond</b>	WACS ID:	SAMPLE ID: <b>19S1CC-RP</b>	DATE: <b>7/29/19</b>

**FIELD MEASUREMENT DATA**

DEPTH OF WATER: <b>2-3</b>		WATER DICHARGING/ ESTIMATED DISCHARGE RATE: GAL/MIN									
OBSERVATIONS: <b>No - sand much more water after heavy recent rains</b>											
SAMPLE METHOD: <b>New bottle &amp; dipping pole</b>		SAMPLE INITIATED AT: <b>1550</b>	SAMPLE ENDED AT: <b>1552</b>								
Time	Water Depth (ft)	Secchi Depth (ft)	Sample Depth (ft)	pH	Temp. (°C)	Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTUs)	Color	Odor	ORP (mVolts)
<b>1552</b>	<b>2-3</b>	<b>1-2</b>	<b>1</b>	<b>8.58</b>	<b>34.3</b>	<b>497</b>	<b>10.87</b>	<b>27.1</b>	<b>Hazy Brown</b>	<b>None</b>	<b>61.9</b>

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Steve Messick / Jones Edmunds</b>	SAMPLER(S) SIGNATURE(S): <i>Steve Messick</i>
--	---

FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N	FIELD-FILTERED: Y <input checked="" type="radio"/> N	DUPLICATE: Y <input checked="" type="radio"/> N
---	--	---

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
1	PE	250mL	HNO3	None	5.2	AP-1 metal plus Fe, Hg, Na
1	PE	250mL	H2SO4	None	5.2	Ammonia
1	PE	250mL	None	None	N/A	Chloride, Nitrate-N, TDS

REMARKS:

Sky Conditions: Cloudy

Ambient Air Temperature: 35°C

Approx. Wind Speed and Direction: 0-7 mph E

COMMENTS:



**ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD**

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Page 1 of 1

Client Name <b>Jones Edmunds &amp; Associates, Inc. (JQ006)</b>		Project Number <b>03860-069-01</b>		Requested Analyses								Requested Turnaround Times			
Address <b>730 N.E. Waldo Road Bldg. A</b>		Project Name/Desc <b>Citrus Co. LF</b>		Ammonia 350.1	Chloride 300	Nitrate as N 300	TDS SM2540C	AP1 Metals (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Hg, Mn, Ni, Pb, Pt, Se, Tl, V, Zn)	Iron Total	Mercury Total	Sodium Total	Note: Rush requests subject to acceptance by the facility			
City/ST/Zip <b>Gainesville, FL 32641</b>		PO # / Billing Info										Standard <input checked="" type="checkbox"/>		Expedited <input type="checkbox"/>	
Tel <b>(352) 377-5821</b>		Fax <b>(352) 377-3166</b>										Due <u>  </u> / <u>  </u> / <u>  </u>		Lab Workorder	
Reporting Contact <b>Elizabeth Kennelley</b>		Billing Contact <b>Accounts Payable</b>										AC04863			
Sampler(s) Name, Affiliation (Print) <b>Steve Messick, Jones Edmunds &amp; Assoc. Inc.</b>		Site Location / Time Zone <b>Lecanto, FL. / EST</b>													
Sampler(s) Signature <i>Steve Messick</i>															

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)										Sample Comments
1	EGUBRKA#2 C1952CC-FABZ Retention Pond	7/29/19	1545	G	O	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	New lab bottle blank w/ dist. water
2	C1952CC-FA	7/29/19	1550	G	100 G SW	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>S. Messick</i>																	

Sample Kit Prepared By <b>ZNA</b>	Date/Time <b>7/18/19 11:10</b>	Relinquished By <i>[Signature]</i>	Date/Time <b>7/18/19 11:10</b>	Received By <i>Steve Messick</i>	Date/Time <b>7/23/19 @ 0700</b>
Comments/Special Reporting Requirements <b>Sample shipped by Greyhound Bus Priority from Gainesville to Orlando, FL. 1 Cooler</b>		Relinquished By <i>Steve Messick</i>	Date/Time <b>7/29/19 @ 1630</b>	Received By	Date/Time
Cooler #'s & Temps on Receipt				Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)  
Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

**ATTACHMENT 10**  
**WELL INSPECTION REPORT**

**CITRUS COUNTY CENTRAL CLASS I LANDFILL  
WELL INSPECTION REPORT  
SECOND SEMIANNUAL 2019**

Sampling Event: Second Semiannual 2019  
 Inspection Date: 7/22/2019  
 Inspector: Steve Messick

Well ID	Inspection Date	Well Labeled		Well Damaged / Sampling Impaired		Protective Cover Intact		Well Locked		Comments
		Yes	No	Yes	No	Yes	No	Yes	No	
<b>BACKGROUND WELLS</b>										
MW-3	7/22/2019	X			X	X		X		
MW-7	7/22/2019	X			X	X		X		
<b>COMPLIANCE WELLS</b>										
MW-10	7/22/2019	X			X	X		X		
MW-11	7/22/2019	X			X	X		X		
MW-12	7/22/2019	X			X	X		X		
MW-13	7/22/2019	X			X	X		X		
MW-14	7/22/2019	X			X	X		X		
MW-15	7/22/2019	X			X	X		X		
MW-17	7/22/2019	X			X	X		X		
MW-18	7/22/2019	X			X	X		X		
MW-18D	7/22/2019	X			X	X		X		
MW-19	7/22/2019	X			X	X		X		
MW-19D	7/22/2019	X			X	X		X		
MW-20	7/22/2019	X			X	X		X		
MW-21	7/22/2019	X			X	X		X		
MW-22	7/22/2019	X			X	X		X		
<b>WATER LEVEL ONLY WELLS</b>										
MW-1R	7/22/2019	X			X	X		X		
MW-2	7/22/2019	X			X	X		X		
MW-5	7/22/2019	X			X	X		X		
MW-6	7/22/2019	X			X	X		X		
MW-8R	7/22/2019	X			X	X		X		
MW-9	7/22/2019	X			X	X		X		
MW-16	7/22/2019	X			X	X		X		
PZ-1	7/22/2019	X			X	X		X		
PZ-2	7/22/2019	X			X	X		X		
MW-AA	7/22/2019	X			X	X		X		
MW-B	7/22/2019	X			X	X		X		
MW-E	7/22/2019	X			X	X		X		