
SEMI-ANNUAL MONITORING REPORT

FIRST HALF 2014

**FRIENDS RECYCLING
(FKA Big D Roofing, Inc.)
2350 NW 27th Avenue
Ocala, Marion County, Florida**

PREPARED FOR:

Florida Department of Environmental Protection
Central District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

PREPARED BY:

Robert M. Couch III, P.E.
ENVIRO-TECH, INC.
15290 SE Hwy 42, PO Box 152
Weirsdale, Florida 32195
(352) 694-1799
Registration No. 55311
Certificate of Authorization No. 8692

February 10, 2014



February 10, 2014

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the First Half of 2014
Friends Recycling C&D Landfill
Marion County, Florida

Dear Mr. Giunarelli:

Per your request, Enviro-Technologies, Inc. (ETI) has completed the semi-annual groundwater monitoring report for the first half of 2014 groundwater sampling activities on Monitoring Wells: MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9S. Information about the individual wells is provided in the Appendix of this report.

The following is a summary of the semi-annual sampling activities performed on the above listed wells as required by the Florida Department of Environmental Protection (FDEP) for the Friends Recycling C&D Landfill. A PDF copy of this report has been e-mailed to Laxsamee Levin at the FDEP , per Tom Lubozynski's request. Please e-mail him with your cover sheet containing the appropriate verbiage regarding report approval periods as stipulated in the operating permit for this facility.

PROJECT LOCATION

The subject property is located at 2350 NW 27th Avenue in Ocala, Marion County, Florida, as shown on the Site Location Map in the Appendix.

GROUNDWATER QUALITY ASSESSMENT

On January 16, 2014, (date of the sample collection), ground water samples were collected from MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9S, shown in the Topographic Survey provided by Robert L. Rogers Engineering Co., Inc. All collected groundwater samples were delivered to Environmental Conservation Laboratories, Inc. (ENCO) for analyses.

The collected samples were analyzed for the initial sample parameter items listed in the ENCO groundwater sampling reports. Groundwater sampling activities were performed in accordance with procedures and methods required by FDEP standard operating procedures. All laboratory analytical activities were performed in accordance with FDEP standards. A copy of the sampling data sheet is included in the Appendix.

GROUNDWATER ANALYTICAL RESULTS

Copies of the laboratory analytical results and chain-of-custody forms and a sample detection summary of the analytical results of each monitoring well for the January 16, 2014 sampling event are provided in the Appendix. A summary of the identified peaks equal to greater than the Groundwater Cleanup Target Levels for respective analytical methods are provided in the following tables:

MW-1

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	4.4	2.8	ug/L	EPA 350.1
Iron - Total	9570	300	ug/L	EPA 6010C
Sulfate	1100	250	mg/L	EPA 300.0
Total Dissolved Solids	2200	500	mg/L	SM 2540C-1997

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Benzene	1.6	1.0	ug/L	EPA 8260B
Iron - Total	34,700	300	ug/L	EPA 6010C
Total Dissolved Solids	710	500	mg/L	SM 2540C-1997

MW-6

Analyte	Results	Groundwater Criteria	Units	Method
ALL ITEMS BELOW	GROUND WATER	TARGET	CLEAN UP	LEVELS

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	500	500	mg/L	SM 2540C-1997

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Iron - Total	12,700	300	ug/L	EPA 6010C
Total Dissolved Solids	640	500	mg/L	SM 2540C-1997

MW-9S

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	610	500	mg/L	SM 2540C-1997

The laboratory analytical results for MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9S indicate that concentrations of all items analyzed during the sampling event, apart from the items above, are well below the Groundwater Cleanup Target Levels (GCTL's). In addition, the measured items in the Groundwater Sampling Logs indicate that the samples should be representative of the surrounding aquifer.

High levels of iron were still noted in monitoring wells MW-1, MW-5, and MW-8. The concentration levels in MW-5 and MW-8 were lower and the concentration level in MW-1 was higher than the previous sampling event. The various levels may be the result of the increased rainfall in recent months. Although these items may be the result of steel disposal, significant portions of Marion County are known for having iron in the water.

Total Dissolved Solids in all monitoring wells except for MW-6 sampled were higher than GTCLs for this sampling event. All of the higher concentrations are expected to be the result of changes in rainfall amounts.

The items that were observed to be above the GCTL's were common to groundwater in the Marion County area, except for the Benzene in MW-5 which was higher than the previous sampling event, and their concentrations are expected to vary based on rainfall conditions in the area. Variations between monitoring wells can be attributed to the varying soil compositions common in Marion County.

It should be noted that, according to the groundwater sampling logs, the samples were taken in accordance DEP-SOP-001/01 FS 2200.

Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

Sincerely,



Robert M. Couch III, P.E.
President
ENVIRO-TECH, Inc.

CC: Laxsamee Levin - Florida Department of Environmental Protection

APPENDIX



Figure 1 consists of two horizontal bar charts. The top chart is labeled 'Total' and the bottom chart is labeled 'Sample'. Both charts have a horizontal axis labeled 'Number of children' with tick marks at 0, 200, 400, 600, 800, and 1000. The vertical axis is labeled 'Frequency' with tick marks at 0, 200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, and 2000. The bars represent the frequency of families with a certain number of children. The 'Total' chart has bars for 0, 1, 2, 3, 4, 5, and 6 children. The 'Sample' chart has bars for 0, 1, 2, 3, 4, 5, and 6 children.

Number of children	Total Frequency	Sample Frequency
0	1800	1800
1	1200	1200
2	800	800
3	400	400
4	200	200
5	100	100
6	50	50

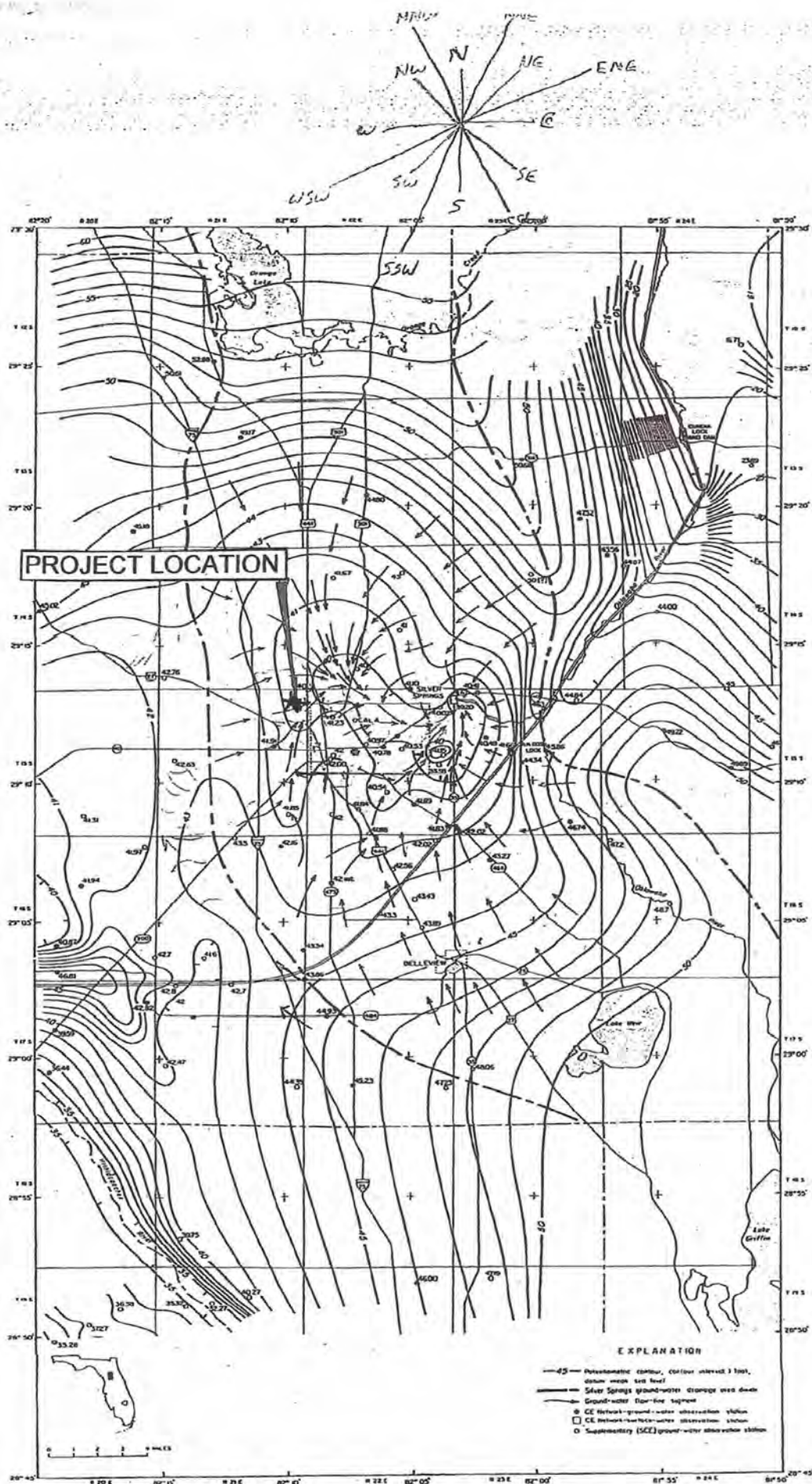


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-1		WACS_WELL: 18811	DATE: 01/16/14

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS: Slowed pump to sample
Sheen

DTW = 32.35 Reference Elevation = 74.66 GWTE = 42.31 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-5		WACS_WELL: 22912	DATE: 01 / 16 / 14

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1208		SAMPLING ENDED AT: 1213	
PUMP OR TUBING DEPTH IN WELL (feet): 47.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N				TUBING Y ☒ (replaced)			DUPLICATE: Y ☒ N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-5	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100	
MW-5	1	PE	250mL	HNO ₃	None	22	Metals	ESP	≈ 1135	
MW-5	1	PE	250mL	H ₂ SO ₄	None	22	Ammonia (350.1)	ESP	≈ 1135	
MW-5	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135	
REMARKS: slowed pump to sample										
DTW = 45.80 Reference Elevation = 88.01 GWTE = 42.21 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM:	MW-6	WACS_WELL:	22913
		DATE:	01 / 16 / 14

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet		STATIC DEPTH TO WATER (feet): 35.63		PURGE PUMP TYPE OR BAILER: ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (\quad 53.10 \quad \text{feet} - \quad 35.63 \quad \text{feet}) \times .16 \quad \text{gallons/foot} = 2.80 \quad \text{gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \quad \text{gallons} + (\quad \text{gallons/foot} \times \quad \text{feet}) + \quad \text{gallons} = \quad \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.00			PURGING INITIATED AT: 1125		PURGING ENDED AT: 1136		TOTAL VOLUME PURGED (gallons): 7.70	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\frac{\text{mg}}{\text{L}}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130	3.50	3.50	.70	36.30	6.77	23.08	864	1.36	10.40	Clear	None
1133	2.10	5.60	.70	36.30	6.80	23.11	874	1.36	4.36	Clear	None
1136	2.10	7.70	.70	36.30	6.80	23.12	880	1.36	2.70	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

[illegible]

REMARKS: Slowed pump to sample

DTW = 35.63 Reference Elevation = 78.05

GWTE = 42.42

* This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

Revision Date: February 12, 2009

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-7		WACS_WELL: 22914	DATE: 01 / 16 / 14

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1243		SAMPLING ENDED AT: 1248		
PUMP OR TUBING DEPTH IN WELL (feet): 48.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							DUPLICATE: Y ☐ N ☒				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-7	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)		ESP		≈ 100
MW-7	1	PE	250mL	HNO ₃	None	LL	Metals		ESP		≈ 757
MW-7	1	PE	250mL	H ₂ SO ₄	None	LL	Ammonia (350.1)		ESP		≈ 757
MW-7	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS		ESP		≈ 757

DTW = 46.41 Reference Elevation = 88.67 GWTE = 42.26 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

Revision Date: February 12, 2009

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-8	WACS_WELL: 22915	DATE: 01 / 16 / 14	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 28.94	PURGE PUMP TYPE OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (\quad 34.24 \quad \text{feet} - \quad 28.94 \quad \text{feet}) \times .16 \quad \text{gallons/foot} = .85 \quad \text{gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \quad \text{gallons} + (\quad \text{gallons/foot} \times \quad \text{feet}) + \quad \text{gallons} = \quad \text{gallons}$				

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)									

REMARKS: Diesel equipment operating in area of well	
DTW = 28.94	Reference Elevation = 71.17 GWTE = 42.23 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.
MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-9S		WACS_WELL: 22916	DATE: 01 / 16 / 14

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS: slowed pump to sample

DTW = 7.64 Reference Elevation = 68.64 GWTE = 42.04 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

Revision Date: February 12, 2009

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 LOG

ITS Work Order Number:

FRL-11-011614

CLIENT: Friends Recycling

ADDRESS: 2350 NW 27th Ave.

CITY, STATE: Ocala, FL 34475

Site: Friends Recycling C&D Landfill

START CAL DATE @ TIME: 01/16/14 @ 0830

END CALIBRATION DATE @ TIME: 01/16/14 @ 1545

Page 1 of 1

YSI 556 MULTI PARAMETER METER - S/N 05G1942 AI (ITS #2) REV 5.24

pH Sensor Per DEP-SOP-001/01 FT 1100						Temperature Sensor Per DEP-SOP-001/01 FT 1400					
Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE	STANDARD (ERTCO Thermometer)		YSI METER		LOT NUMBER	DATE PERFORMED (Quarterly)
	INITIAL	CCV						TEMP READING			
4.005	4.00	3.99	✓	cc186085	May-15			LOW	HIGH		
7.000	7.00	7.01	7.00	cc174860	Dec-14	LOW	5.10	5.13		NA	10/21/13
10.012	10.01	9.98	✓	cc186087	May-15	HIGH	30.00		30.05		10/21/13

Standards are prepared by OAKTON.

Liquid Temp: N/A

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. Temp is in ° unless otherwise noted. YSI is checked against ERTCO once per Quarter

Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1500

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	0.17	0.17	3AD224	Apr-14
fresh air @				
18.99 °C	9.27			
22.07 °C		8.74		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by Oakton.

Conductivity Sensor Per DEP-SOP-001/01 FT 1200

STANDARD μmhos	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
8,974	NM	NM	3AG203	Jul-14
2,764	2764	2791	3AD399	Apr-14
447	NM	NM	3AD497	Apr-14
84	84	85	3AE438	May-14

Standards prepared by Oakton. All standards are potassium chloride solutions.

ORP Sensor Per DEP-SOP-001/01 FT 2100

STANDARD (mV)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
200	NM	NM	3AG553	Jan-14
400	NM	NM	3AE633	May-14

Standard is ORP solution +/- 5% @ 25° C, prepared by USA Blue Book

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 S/N 910285 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 1)

STANDARD (ntu)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
1000	NM	NM	See Below	Nov-14
100	100	100	See Below	Nov-14
10	10	10	See Below	Nov-14
0.02	.02	.02	See Below	Nov-14

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 21155

HACH POCKET COLORIMETER II S/N 06070D052733

STANDARD ID	BLANK	1	2	3
MFGR VALUE mg/L	0.00	.21	0.90	1.61
VERIFIED VALUE mg/L	0.00	0.23	0.95	1.62
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard. Lot A5318 Verified 6/18/12

Remarks:

Weather Conditions: Sunny 66-65°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #100213275WF2331013

Exp Date 04/30/15

Equipment Blank Data - Collected @ none collected

pH = ✓

Cond = ✓

Temp = ✓

D.O. = ✓

Turbidity = ✓

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification Form Rev 5.24 on 11/06/13: Update 84 conductivity standard

All equipment used to obtain data at this site is owned, operated, and maintained by Ideal Tech Services Inc., unless otherwise noted. All equipment was purchased new from the manufacturers or authorized distributors. Preventative maintenance will be performed at the intervals specified by the manufacturer of each piece of equipment, or when equipment calibration results are out of tolerance. Equipment maintenance logs will be maintained by Ideal Tech Services Inc.

COPY TO: Nick Giumarelli

SIGNED:

Chris Monaco or Karen LeBeau

Friends Recycling

1st semi-annual 2014 50-55°F

- (14) 1/16/14 Cool Clear Sunny.
0930 C. Monaco & Karen Le Beau of
I Deal Tech Services Inc
(ITS) arrive at the site.
Calibrations Completed.
Met with Nick. Nick
escorted ITS to examine
New path around site and
to check wet areas to
determine access fees
due to wet conditions.
ITS opted to use our
4x4 Truck instead of
the land fill owned 4x4
Polaris ATV. Begin
at well MW-1.

- 0935 Begin purge of MW-1
1010 Sample MW-1, move to 95
1019 Begin purge of MW-95
1034 Sample MW-95 move to 8
1051 Begin purge of MW-8
1108 Sample MW-8 - move to 6
Measured MW-90 DTW: 26.55
1125 Begin purge of MW-6
1140 Sample MW-6
Move to MW-5 verify
wet on this side
of the property

Friends Recycling

1st semi-annual 2014

- 50-55°F Clear Sunny 1/16/14 (15)
1154 Begin purge MW-5
1213 Sample MW-5 move to MW-7
1130 Begin purge MW-7
Sample MW-7. Pack all
Samples for transport.
ITS personnel off site
to Cal Equip and Transport
Samples to Enco Lab
Orlando. See Sample
Log & Cal log for details.
off site Check out
with Nick.

[Signature]



ENCO Laboratories

Accurate.

Timely.

Responsive.

Innovative.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

Friday, January 31, 2014

Friends Recycling (FR008)

Attn: Nick Giumarelli

2350 NW 27th Avenue

Ocala, FL 34475

RE: Laboratory Results for

Project Number: 21012, Project Name/Desc: FRIENDS RECYCLING FORMERLY OCALA RECYCLING

ENCO Workorder(s): A400098

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, January 16, 2014.

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. 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,

Marcia Colon

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1	Lab ID: A400098-01	Sampled: 01/16/14 10:10	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 10:10	01/16/14 16:06	01/17/14 12:32
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 12:32
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:10
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:36
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 07:18
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 14:51
Field	01/16/14 10:24	01/16/14 10:10	01/16/14 10:10
Field	01/17/14 10:10 01/17/14 10:10	01/16/14 10:10	01/16/14 10:10
Field	01/18/14 10:10	01/16/14 10:10	01/16/14 10:10
SM 2540C-1997	01/23/14	01/19/14 05:03	01/20/14 10:15

Client ID: MW-1	Lab ID: A400098-01RE2	Sampled: 01/16/14 10:10	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	02/13/14	01/23/14 08:30	01/23/14 13:37

Client ID: MW-9S	Lab ID: A400098-02	Sampled: 01/16/14 10:34	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 10:34	01/16/14 16:06	01/17/14 12:50
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 12:50
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:04
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:37
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:00
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 15:21
Field	01/16/14 10:48	01/16/14 10:34	01/16/14 10:34
Field	01/17/14 10:34 01/17/14 10:34	01/16/14 10:34	01/16/14 10:34
Field	01/18/14 10:34	01/16/14 10:34	01/16/14 10:34
SM 2540C-1997	01/23/14	01/19/14 05:03	01/20/14 10:15

Client ID: MW-8	Lab ID: A400098-03	Sampled: 01/16/14 11:08	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 11:08	01/16/14 16:06	01/17/14 13:09
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 13:09
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:06
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:39
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:03
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 15:51
Field	01/16/14 11:22	01/16/14 11:08	01/16/14 11:08
Field	01/17/14 11:08 01/17/14 11:08	01/16/14 11:08	01/16/14 11:08
Field	01/18/14 11:08	01/16/14 11:08	01/16/14 11:08
SM 2540C-1997	01/23/14	01/19/14 05:03	01/20/14 10:15

Client ID: MW-6	Lab ID: A400098-04	Sampled: 01/16/14 11:40	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 11:40	01/16/14 16:06	01/17/14 13:27
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 13:27
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:07
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:41
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:07
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 16:21
Field	01/16/14 11:54	01/16/14 11:40	01/16/14 11:40
Field	01/17/14 11:40 01/17/14 11:40	01/16/14 11:40	01/16/14 11:40
Field	01/18/14 11:40	01/16/14 11:40	01/16/14 11:40
SM 2540C-1997	01/23/14	01/20/14 04:44	01/21/14 23:20

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-5 Lab ID: A400098-05 Sampled: 01/16/14 12:13 Received: 01/16/14 15:08

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	01/18/14 12:13	01/16/14 16:06	01/17/14 13:46
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 13:46
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:14
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:43
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:10
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 16:51
Field	01/16/14 12:27	01/16/14 12:13	01/16/14 12:13
Field	01/17/14 12:13 01/17/14 12:13	01/16/14 12:13	01/16/14 12:13
Field	01/18/14 12:13	01/16/14 12:13	01/16/14 12:13
SM 2540C-1997	01/23/14	01/20/14 04:44	01/21/14 23:20

Client ID: MW-7 Lab ID: A400098-06 Sampled: 01/16/14 12:48 Received: 01/16/14 15:08

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	01/18/14 12:48	01/16/14 16:06	01/17/14 14:41
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 14:41
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:24
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:45
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:13
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 17:21
Field	01/16/14 13:02	01/16/14 12:48	01/16/14 12:48
Field	01/17/14 12:48 01/17/14 12:48	01/16/14 12:48	01/16/14 12:48
Field	01/18/14 12:48	01/16/14 12:48	01/16/14 12:48
SM 2540C-1997	01/23/14	01/20/14 04:44	01/21/14 23:20

Client ID: TRIP BLANK Lab ID: A400098-07 Sampled: 01/16/14 00:00 Received: 01/16/14 15:08

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 17:52

SAMPLE DETECTION SUMMARY

Client ID: MW-1		Lab ID: A400098-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	4.4		0.036	0.10	mg/L	EPA 350.1	QM-07
Arsenic - Total	7.33	I	6.10	10.0	ug/L	EPA 6010C	
Cadmium - Total	1.02		0.440	1.00	ug/L	EPA 6010C	
Chloride	19		0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	1.10	I	0.427	10.0	ug/L	EPA 6010C	
Dissolved Oxygen	0.14		0.00	0.00	mg/L	Field	
Iron - Total	9570		10.0	50.0	ug/L	EPA 6010C	
Mercury - Total	0.111	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.61				pH Units	Field	
Sodium - Total	64.2		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	2845		0	0	umhos/cm	Field	
Temperature	24.98		0.00	0.00	°C	Field	
Total Dissolved Solids	2200		10	10	mg/L	SM 2540C-1997	
Turbidity	0.900		0.00	0.00	NTU	Field	
Water Elevation	42.31				Ft	Field	
Client ID: MW-1		Lab ID: A400098-01RE2					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	1100		1.3	100	mg/L	EPA 300.0	
Client ID: MW-9S		Lab ID: A400098-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	22		0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	1.35	I	0.427	10.0	ug/L	EPA 6010C	
Dissolved Oxygen	0.80		0.00	0.00	mg/L	Field	
Iron - Total	10.8	I	10.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.44	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.77				pH Units	Field	
Sodium - Total	13.2		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	1117		0	0	umhos/cm	Field	
Sulfate	99		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.30		0.00	0.00	°C	Field	
Total Dissolved Solids	610		10	10	mg/L	SM 2540C-1997	
Turbidity	1.70		0.00	0.00	NTU	Field	
Water Elevation	42.04				Ft	Field	
Client ID: MW-8		Lab ID: A400098-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.7		0.0073	0.020	mg/L	EPA 350.1	
Arsenic - Total	6.93	I	6.10	10.0	ug/L	EPA 6010C	
Chloride	28		0.29	5.0	mg/L	EPA 300.0	
cis-1,2-Dichloroethene	0.68	I	0.53	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.23		0.00	0.00	mg/L	Field	
Iron - Total	12700		10.0	50.0	ug/L	EPA 6010C	
pH	6.53				pH Units	Field	
Sodium - Total	23.7		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	1276		0	0	umhos/cm	Field	
Sulfate	3.7	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.31		0.00	0.00	°C	Field	
Total Dissolved Solids	640		10	10	mg/L	SM 2540C-1997	
Turbidity	1.10		0.00	0.00	NTU	Field	
Water Elevation	42.23				Ft	Field	

SAMPLE DETECTION SUMMARY

Client ID: MW-6		Lab ID: A400098-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	1.3	I	0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	2.10	I	0.427	10.0	ug/L	EPA 6010C	
Dissolved Oxygen	1.36		0.00	0.00	mg/L	Field	
Iron - Total	13.9	I	10.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.46	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.80				pH Units	Field	
Sodium - Total	3.15		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	880		0	0	umhos/cm	Field	
Sulfate	9.8		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.12		0.00	0.00	°C	Field	
Total Dissolved Solids	430		10	10	mg/L	SM 2540C-1997	
Turbidity	2.70		0.00	0.00	NTU	Field	
Water Elevation	42.42				Ft	Field	

Client ID: MW-5		Lab ID: A400098-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.2		0.0073	0.020	mg/L	EPA 350.1	
Benzene	1.6		0.71	1.0	ug/L	EPA 8260B	
Chloride	12		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.09		0.00	0.00	mg/L	Field	
Iron - Total	34700		10.0	50.0	ug/L	EPA 6010C	
o-Xylene	0.79	I	0.53	1.0	ug/L	EPA 8260B	
pH	6.43				pH Units	Field	
Sodium - Total	10.5		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	1455		0	0	umhos/cm	Field	
Sulfate	0.15	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.56		0.00	0.00	°C	Field	
Toluene	1.6		0.72	1.0	ug/L	EPA 8260B	
Total Dissolved Solids	710		10	10	mg/L	SM 2540C-1997	
Turbidity	0.400		0.00	0.00	NTU	Field	
Water Elevation	42.21				Ft	Field	
Xylenes (Total)	1.6	I	1.3	2.0	ug/L	EPA 8260B	

Client ID: MW-7		Lab ID: A400098-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Cadmium - Total	0.839	I	0.440	1.00	ug/L	EPA 6010C	
Chloride	7.7		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.14		0.00	0.00	mg/L	Field	
Iron - Total	29.6	I	10.0	50.0	ug/L	EPA 6010C	
Mercury - Total	0.127	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	4.6		0.052	1.0	mg/L	EPA 300.0	
pH	6.63				pH Units	Field	
Sodium - Total	10.7		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	982		0	0	umhos/cm	Field	
Sulfate	40		0.07	5.0	mg/L	EPA 300.0	
Temperature	24.00		0.00	0.00	°C	Field	
Total Dissolved Solids	500		10	10	mg/L	SM 2540C-1997	
Turbidity	0.200		0.00	0.00	NTU	Field	
Water Elevation	42.26				Ft	Field	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A400098-01

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:10

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 14:51	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	41-142	4A20018	EPA 8260B	01/20/14 14:51	np	
Dibromofluoromethane	45	1	50.0	90 %	53-146	4A20018	EPA 8260B	01/20/14 14:51	np	
Toluene-d8	45	1	50.0	90 %	41-146	4A20018	EPA 8260B	01/20/14 14:51	np	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A400098-01

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:10

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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]^	0.111	I	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 07:18	JAY	

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]^	4.4		mg/L	5	0.036	0.10	4A20036	EPA 350.1	01/20/14 15:10	KGonz	QM-07
Chloride [16887-00-6]^	19		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 12:32	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 12:32	RSA	
Sulfate [14808-79-8]^	1100		mg/L	20	1.3	100	4A23001	EPA 300.0	01/23/14 13:37	RSA	
Total Dissolved Solids [ECL-0156]^	2200		mg/L	1	10	10	4A19001	SM 2540C-1997	01/20/14 10:15	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.14		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 10:10	MCC	
pH [ECL-0062]	6.61		pH Units	1			4A23024	Field	01/16/14 10:10	MCC	
Specific Conductance (EC) [ECL-0146]	2845		umhos/cm	1	0	0	4A23024	Field	01/16/14 10:10	MCC	
Temperature [ECL-0151]	24.98		°C	1	0.00	0.00	4A23024	Field	01/16/14 10:10	MCC	
Turbidity [ECL-0177]	0.900		NTU	1	0.00	0.00	4A23024	Field	01/16/14 10:10	MCC	
Water Elevation [ECL-0180]	42.31		Ft	1			4A23024	Field	01/16/14 10:10	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Arsenic [7440-38-2]^	7.33	I	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Cadmium [7440-43-9]^	1.02		ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Chromium [7440-47-3]^	1.10	I	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Iron [7439-89-6]^	9570		ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Sodium [7440-23-5]^	64.2		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:36	ACV	

ANALYTICAL RESULTS

Description: MW-9S

Lab Sample ID: A400098-02

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:34

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:21	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	4A20018	EPA 8260B	01/20/14 15:21	np	
Dibromofluoromethane	46	1	50.0	92 %	53-146	4A20018	EPA 8260B	01/20/14 15:21	np	
Toluene-d8	45	1	50.0	90 %	41-146	4A20018	EPA 8260B	01/20/14 15:21	np	

ANALYTICAL RESULTS

Description: MW-9S

Lab Sample ID: A400098-02

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:34

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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	4A16005	EPA 7470A	01/20/14 08:00	JAY	

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]^	0.0073	U	mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:04	KGonz	
Chloride [16887-00-6]^	22		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 12:50	RSA	
Nitrate as N [14797-55-8]^	0.44	I	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 12:50	RSA	
Sulfate [14808-79-8]^	99		mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 12:50	RSA	
Total Dissolved Solids [ECL-0156]^	610		mg/L	1	10	10	4A19001	SM 2540C-1997	01/20/14 10:15	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.80		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 10:34	MCC	
pH [ECL-0062]	6.77		pH Units	1			4A23024	Field	01/16/14 10:34	MCC	
Specific Conductance (EC) [ECL-0146]	1117		umhos/cm	1	0	0	4A23024	Field	01/16/14 10:34	MCC	
Temperature [ECL-0151]	23.30		°C	1	0.00	0.00	4A23024	Field	01/16/14 10:34	MCC	
Turbidity [ECL-0177]	1.70		NTU	1	0.00	0.00	4A23024	Field	01/16/14 10:34	MCC	
Water Elevation [ECL-0180]	42.04		Ft	1			4A23024	Field	01/16/14 10:34	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Chromium [7440-47-3]^	1.35	I	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Iron [7439-89-6]^	10.8	I	ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Sodium [7440-23-5]^	13.2		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:37	ACV	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A400098-03

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:08

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
cis-1,2-Dichloroethene [156-59-2]^	0.68	I	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:51	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	4A20018	EPA 8260B	01/20/14 15:51	np	
Dibromofluoromethane	46	1	50.0	93 %	53-146	4A20018	EPA 8260B	01/20/14 15:51	np	
Toluene-d8	46	1	50.0	91 %	41-146	4A20018	EPA 8260B	01/20/14 15:51	np	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A400098-03

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:08

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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	4A16005	EPA 7470A	01/20/14 08:03	JAY	

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]^	1.7		mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:06	KGonz	
Chloride [16887-00-6]^	28		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 13:09	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 13:09	RSA	
Sulfate [14808-79-8]^	3.7	I	mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 13:09	RSA	
Total Dissolved Solids [ECL-0156]^	640		mg/L	1	10	10	4A19001	SM 2540C-1997	01/20/14 10:15	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.23		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 11:08	MCC	
pH [ECL-0062]	6.53		pH Units	1			4A23024	Field	01/16/14 11:08	MCC	
Specific Conductance (EC) [ECL-0146]	1276		umhos/cm	1	0	0	4A23024	Field	01/16/14 11:08	MCC	
Temperature [ECL-0151]	24.31		°C	1	0.00	0.00	4A23024	Field	01/16/14 11:08	MCC	
Turbidity [ECL-0177]	1.10		NTU	1	0.00	0.00	4A23024	Field	01/16/14 11:08	MCC	
Water Elevation [ECL-0180]	42.23		Ft	1			4A23024	Field	01/16/14 11:08	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Arsenic [7440-38-2]^	6.93	I	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Chromium [7440-47-3]^	0.427	U	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Iron [7439-89-6]^	12700		ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Sodium [7440-23-5]^	23.7		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:39	ACV	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A400098-04

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:40

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:21	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	4A20018	EPA 8260B	01/20/14 16:21	np	
Dibromofluoromethane	49	1	50.0	98 %	53-146	4A20018	EPA 8260B	01/20/14 16:21	np	
Toluene-d8	44	1	50.0	88 %	41-146	4A20018	EPA 8260B	01/20/14 16:21	np	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A400098-04

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:40

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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	4A16005	EPA 7470A	01/20/14 08:07	JAY	

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]^	0.0073	U	mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:07	KGonz	
Chloride [16887-00-6]^	1.3	I	mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 13:27	RSA	
Nitrate as N [14797-55-8]^	0.46	I	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 13:27	RSA	
Sulfate [14808-79-8]^	9.8		mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 13:27	RSA	
Total Dissolved Solids [ECL-0156]^	430		mg/L	1	10	10	4A20003	SM 2540C-1997	01/21/14 23:20	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	1.36		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 11:40	MCC	
pH [ECL-0062]	6.80		pH Units	1			4A23024	Field	01/16/14 11:40	MCC	
Specific Conductance (EC) [ECL-0146]	880		umhos/cm	1	0	0	4A23024	Field	01/16/14 11:40	MCC	
Temperature [ECL-0151]	23.12		°C	1	0.00	0.00	4A23024	Field	01/16/14 11:40	MCC	
Turbidity [ECL-0177]	2.70		NTU	1	0.00	0.00	4A23024	Field	01/16/14 11:40	MCC	
Water Elevation [ECL-0180]	42.42		Ft	1			4A23024	Field	01/16/14 11:40	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Chromium [7440-47-3]^	2.10	I	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Iron [7439-89-6]^	13.9	I	ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Sodium [7440-23-5]^	3.15		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:41	ACV	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A400098-05

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:13

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Benzene [71-43-2]^	1.6		ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
o-Xylene [95-47-6]^	0.79	I	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Toluene [108-88-3]^	1.6		ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Xylenes (Total) [1330-20-7]^	1.6	I	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:51	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	4A20018	EPA 8260B	01/20/14 16:51	np	
Dibromofluoromethane	46	1	50.0	92 %	53-146	4A20018	EPA 8260B	01/20/14 16:51	np	
Toluene-d8	46	1	50.0	92 %	41-146	4A20018	EPA 8260B	01/20/14 16:51	np	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A400098-05

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:13

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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	4A16005	EPA 7470A	01/20/14 08:10	JAY	

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]^	1.2		mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:14	KGonz	
Chloride [16887-00-6]^	12		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 13:46	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 13:46	RSA	
Sulfate [14808-79-8]^	0.15	I	mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 13:46	RSA	
Total Dissolved Solids [ECL-0156]^	710		mg/L	1	10	10	4A20003	SM 2540C-1997	01/21/14 23:20	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.09		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 12:13	MCC	
pH [ECL-0062]	6.43		pH Units	1			4A23024	Field	01/16/14 12:13	MCC	
Specific Conductance (EC) [ECL-0146]	1455		umhos/cm	1	0	0	4A23024	Field	01/16/14 12:13	MCC	
Temperature [ECL-0151]	24.56		°C	1	0.00	0.00	4A23024	Field	01/16/14 12:13	MCC	
Turbidity [ECL-0177]	0.400		NTU	1	0.00	0.00	4A23024	Field	01/16/14 12:13	MCC	
Water Elevation [ECL-0180]	42.21		Ft	1			4A23024	Field	01/16/14 12:13	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Chromium [7440-47-3]^	0.427	U	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Iron [7439-89-6]^	34700		ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Sodium [7440-23-5]^	10.5		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:43	ACV	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A400098-06

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:48

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:21	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	87 %	41-142	4A20018	EPA 8260B	01/20/14 17:21	np	
Dibromofluoromethane	46	1	50.0	93 %	53-146	4A20018	EPA 8260B	01/20/14 17:21	np	
Toluene-d8	44	1	50.0	89 %	41-146	4A20018	EPA 8260B	01/20/14 17:21	np	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A400098-06

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:48

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

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]^	0.127	I	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 08:13	JAY	

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]^	0.0073	U	mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:24	KGonz	
Chloride [16887-00-6]^	7.7		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 14:41	RSA	
Nitrate as N [14797-55-8]^	4.6		mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 14:41	RSA	
Sulfate [14808-79-8]^	40		mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 14:41	RSA	
Total Dissolved Solids [ECL-0156]^	500		mg/L	1	10	10	4A20003	SM 2540C-1997	01/21/14 23:20	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.14		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 12:48	MCC	
pH [ECL-0062]	6.63		pH Units	1			4A23024	Field	01/16/14 12:48	MCC	
Specific Conductance (EC) [ECL-0146]	982		umhos/cm	1	0	0	4A23024	Field	01/16/14 12:48	MCC	
Temperature [ECL-0151]	24.00		°C	1	0.00	0.00	4A23024	Field	01/16/14 12:48	MCC	
Turbidity [ECL-0177]	0.200		NTU	1	0.00	0.00	4A23024	Field	01/16/14 12:48	MCC	
Water Elevation [ECL-0180]	42.26		Ft	1			4A23024	Field	01/16/14 12:48	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Cadmium [7440-43-9]^	0.839	I	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Chromium [7440-47-3]^	0.427	U	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Iron [7439-89-6]^	29.6	I	ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Sodium [7440-23-5]^	10.7		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:45	ACV	

ANALYTICAL RESULTS

Description: TRIP BLANK

Lab Sample ID: A400098-07

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 00:00

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: ENCO

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-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:52	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	4A20018	EPA 8260B	01/20/14 17:52	np	
Dibromofluoromethane	46	1	50.0	92 %	53-146	4A20018	EPA 8260B	01/20/14 17:52	np	
Toluene-d8	47	1	50.0	94 %	41-146	4A20018	EPA 8260B	01/20/14 17:52	np	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4A20018 - EPA 5030B_MS

Blank (4A20018-BLK1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 13:20

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	0.71	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	43			ug/L	50.0		87	41-142			
Dibromofluoromethane	45			ug/L	50.0		89	53-146			
Toluene-d8	45			ug/L	50.0		89	41-146			

LCS (4A20018-BS1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 12:50

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	65-144			
Benzene	19		1.0	ug/L	20.0		97	73-138			
Chlorobenzene	18		1.0	ug/L	20.0		89	77-127			
Toluene	19		1.0	ug/L	20.0		93	71-123			
Trichloroethene	19		1.0	ug/L	20.0		95	83-133			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4A20018 - EPA 5030B_MS - Continued

LCS (4A20018-BS1) Continued

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 12:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Dibromofluoromethane	44			ug/L	50.0		88	53-146			
Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike (4A20018-MS1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 13:50

Source: A400098-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.94 U	98	65-144			
Benzene	20		1.0	ug/L	20.0	0.71 U	98	73-138			
Chlorobenzene	17		1.0	ug/L	20.0	0.72 U	85	77-127			
Toluene	18		1.0	ug/L	20.0	0.72 U	92	71-123			
Trichloroethene	19		1.0	ug/L	20.0	0.89 U	93	83-133			
4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Dibromofluoromethane	47			ug/L	50.0		93	53-146			
Toluene-d8	45			ug/L	50.0		91	41-146			

Matrix Spike Dup (4A20018-MSD1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 14:21

Source: A400098-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.94 U	97	65-144	0.7	16	
Benzene	20		1.0	ug/L	20.0	0.71 U	101	73-138	3	14	
Chlorobenzene	18		1.0	ug/L	20.0	0.72 U	88	77-127	4	13	
Toluene	20		1.0	ug/L	20.0	0.72 U	98	71-123	6	16	
Trichloroethene	18		1.0	ug/L	20.0	0.89 U	92	83-133	1	20	
4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Dibromofluoromethane	45			ug/L	50.0		90	53-146			
Toluene-d8	45			ug/L	50.0		90	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 4A16005 - EPA 7470A

Blank (4A16005-BLK1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:12

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

LCS (4A16005-BS1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.93		0.200	ug/L	5.00		99	80-120			

Matrix Spike (4A16005-MS1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:21

Source: A400098-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.19		0.200	ug/L	5.00	0.111	102	75-125			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 4A16005 - EPA 7470A - Continued

Matrix Spike Dup (4A16005-MSD1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:24

Source: A400098-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.18		0.200	ug/L	5.00	0.111	101	75-125	0.2	20	

Post Spike (4A16005-PS1)

Prepared: 01/20/2014 06:00 Analyzed: 01/20/2014 07:28

Source: A400098-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.12		0.200	ug/L	5.61	0.105	89	80-120			

Classical Chemistry Parameters - Quality Control

Batch 4A16035 - NO PREP

Blank (4A16035-BLK1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 07:13

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							
Nitrate as N	0.052	U	1.0	mg/L							
Sulfate	0.07	U	5.0	mg/L							

LCS (4A16035-BS1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 07:31

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	52		5.0	mg/L	50.0		104	90-110			
Nitrate as N	10		1.0	mg/L	10.0		105	90-110			
Sulfate	51		5.0	mg/L	50.0		103	90-110			

Matrix Spike (4A16035-MS1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 07:50

Source: A400295-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	57		5.0	mg/L	50.0	5.3	103	90-110			
Nitrate as N	12		1.0	mg/L	10.0	2.3	102	90-110			
Sulfate	76		5.0	mg/L	50.0	26	100	90-110			

Matrix Spike Dup (4A16035-MSD1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 08:08

Source: A400295-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	59		5.0	mg/L	50.0	5.3	106	90-110	3	10	
Nitrate as N	13		1.0	mg/L	10.0	2.3	105	90-110	3	10	
Sulfate	78		5.0	mg/L	50.0	26	102	90-110	2	10	

Batch 4A19001 - NO PREP

Blank (4A19001-BLK1)

Prepared: 01/19/2014 05:03 Analyzed: 01/20/2014 10:15

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

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 4A19001 - NO PREP - Continued

LCS (4A19001-BS1)

Prepared: 01/19/2014 05:03 Analyzed: 01/20/2014 10:15

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	1000		10	mg/L	1000		100	90-110			

Duplicate (4A19001-DUP1)

Prepared: 01/19/2014 05:03 Analyzed: 01/20/2014 10:15

Source: A400098-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2200		10	mg/L		2200			0.9	10	

Batch 4A20003 - NO PREP

Blank (4A20003-BLK1)

Prepared: 01/20/2014 04:44 Analyzed: 01/21/2014 23:20

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

LCS (4A20003-BS1)

Prepared: 01/20/2014 04:44 Analyzed: 01/21/2014 23:20

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	950		10	mg/L	1000		95	90-110			

Duplicate (4A20003-DUP1)

Prepared: 01/20/2014 04:44 Analyzed: 01/21/2014 23:20

Source: A307201-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	750		10	mg/L		750			0	10	

Batch 4A20036 - NO PREP

Blank (4A20036-BLK1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 14:38

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.0073	U	0.020	mg/L							

LCS (4A20036-BS1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 14:42

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.95		0.020	mg/L	1.00		95	90-110			

Matrix Spike (4A20036-MS1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 15:11

Source: A400098-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	5.2		0.10	mg/L	1.00	4.4	78	90-110			QM-07

Matrix Spike Dup (4A20036-MSD1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 15:13

Source: A400098-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	5.1		0.10	mg/L	1.00	4.4	73	90-110	1	10	QM-07

Batch 4A23001 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 4A23001 - NO PREP - Continued

Blank (4A23001-BLK1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 09:36

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	0.052	U	1.0	mg/L							
Sulfate	0.07	U	5.0	mg/L							

LCS (4A23001-BS1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 09:56

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	10		1.0	mg/L	10.0		105	90-110			
Sulfate	51		5.0	mg/L	50.0		102	90-110			

Matrix Spike (4A23001-MS1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 17:14

Source: A400241-05

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.33	106	90-110			
Sulfate	54		5.0	mg/L	50.0	2.2	104	90-110			

Matrix Spike Dup (4A23001-MSD1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 17:32

Source: A400241-05

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.33	105	90-110	0.3	10	
Sulfate	54		5.0	mg/L	50.0	2.2	103	90-110	0.2	10	

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

Batch 4A28008 - EPA 3005A

Blank (4A28008-BLK1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:23

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	38.0	U	200	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Cadmium	0.440	U	1.00	ug/L							
Chromium	0.427	U	10.0	ug/L							
Iron	10.0	U	50.0	ug/L							
Lead	2.30	U	10.0	ug/L							
Sodium	0.0740	U	0.500	mg/L							

LCS (4A28008-BS1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:26

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5220		200	ug/L	5000		104	80-120			
Arsenic	505		10.0	ug/L	500		101	80-120			
Cadmium	51.3		1.00	ug/L	50.0		103	80-120			
Chromium	509		10.0	ug/L	500		102	80-120			
Iron	2550		50.0	ug/L	2500		102	80-120			
Lead	515		10.0	ug/L	500		103	80-120			
Sodium	25.8		0.500	mg/L	25.0		103	80-120			

QUALITY CONTROL DATA

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

Batch 4A28008 - EPA 3005A - Continued

Matrix Spike (4A28008-MS1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:28

Source: B400467-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5040		200	ug/L	5000	38.0 U	101	75-125			
Arsenic	499		10.0	ug/L	500	6.10 U	100	75-125			
Cadmium	50.9		1.00	ug/L	50.0	0.706	100	75-125			
Chromium	501		10.0	ug/L	500	0.427 U	100	75-125			
Iron	3000		50.0	ug/L	2500	500	100	75-125			
Lead	496		10.0	ug/L	500	2.30 U	99	75-125			
Sodium	38.7		0.500	mg/L	25.0	13.6	101	75-125			

Matrix Spike Dup (4A28008-MSD1)

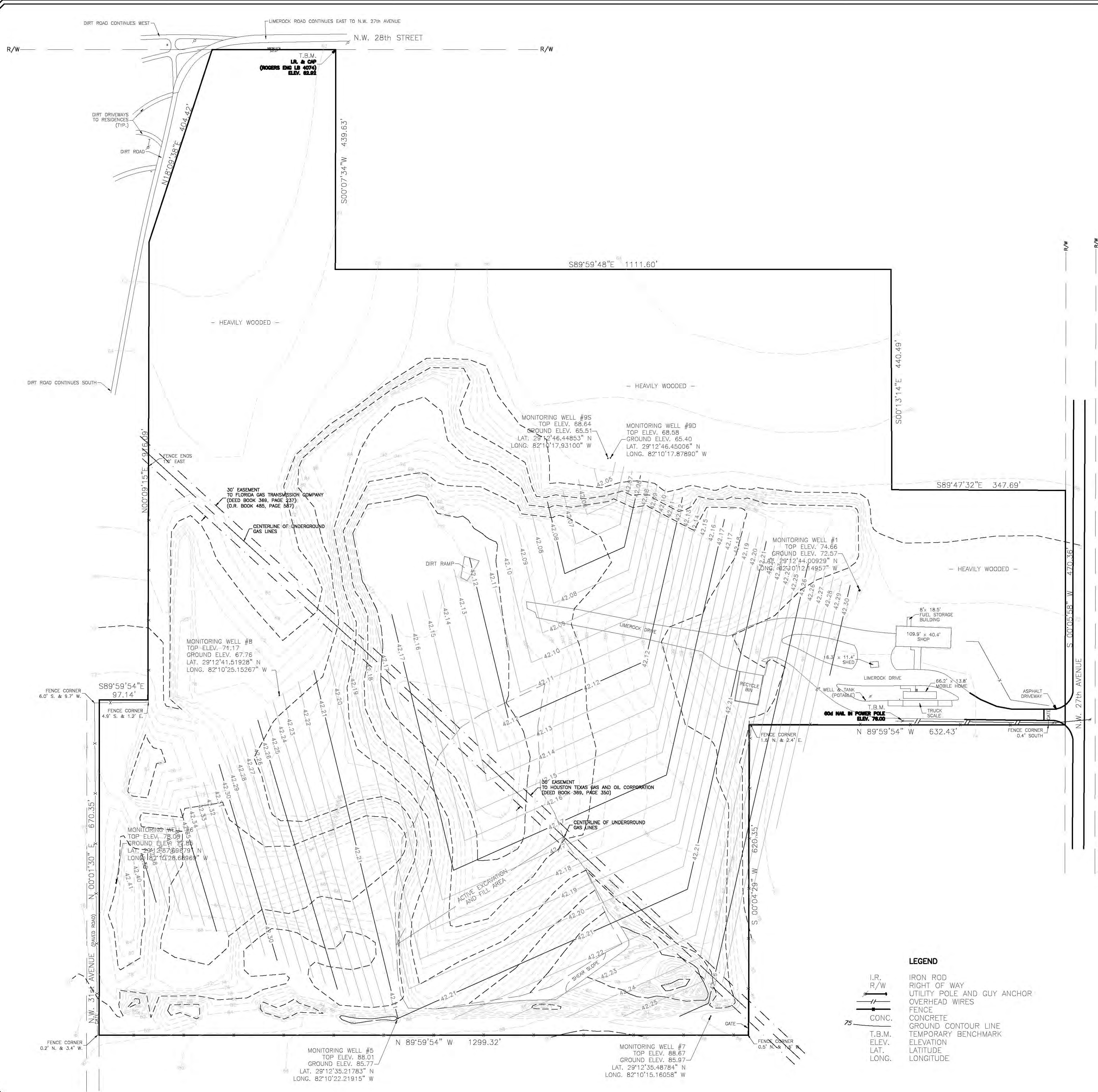
Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:34

Source: B400467-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5110		200	ug/L	5000	38.0 U	102	75-125	1	20	
Arsenic	512		10.0	ug/L	500	6.10 U	102	75-125	2	20	
Cadmium	51.8		1.00	ug/L	50.0	0.706	102	75-125	2	20	
Chromium	509		10.0	ug/L	500	0.427 U	102	75-125	2	20	
Iron	3080		50.0	ug/L	2500	500	103	75-125	3	20	
Lead	507		10.0	ug/L	500	2.30 U	101	75-125	2	20	
Sodium	39.3		0.500	mg/L	25.0	13.6	103	75-125	2	20	

FLAGS/NOTES AND DEFINITIONS

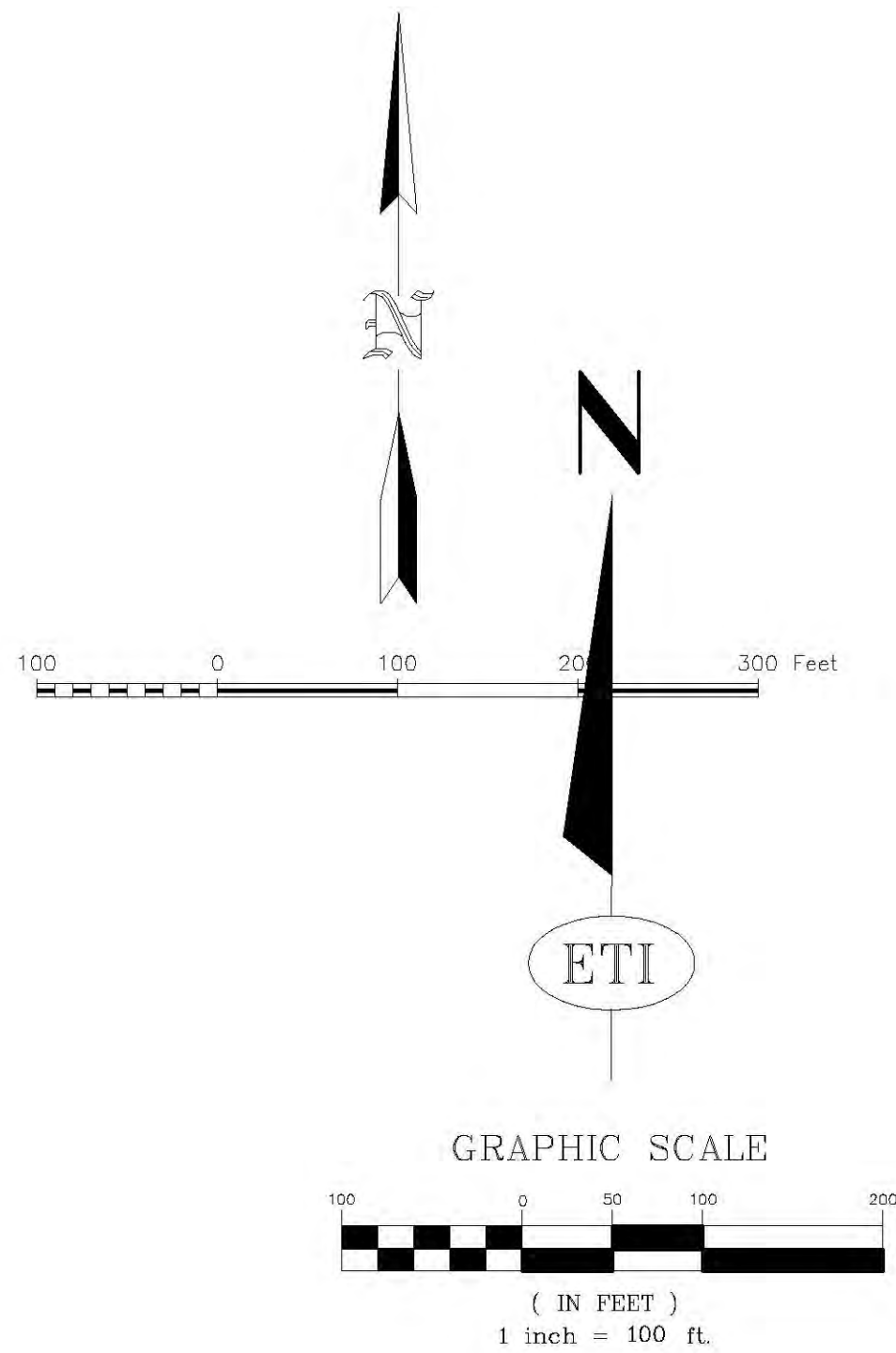
PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; 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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.



- NOTES:**
1. THIS PROPERTY CONTAINS AN ACTIVE LANDFILL OPERATION THAT ALTERS THE GROUND CONTOUR ELEVATIONS IN CERTAIN AREAS ON A DAILY BASIS. THE CONTOUR LINES SHOWN HEREON REPRESENT THE PROPERTY CONDITION ON THE DATE OF THE SURVEY.
 2. FIELD SURVEY DATE : 12-21-2012.
 3. ELEVATIONS AND CONTOURS SHOWN HEREON ARE BASED ON N.G.V.D. DATUM; CITY OF OCALA BM @ N.W. 27th AVENUE AND N.W. 18th STREET; ELEVATION 69.47 (NAVD-88).
 4. THE TOP ELEVATION OF THE MONITORING WELLS, AS SHOWN HEREON, REPRESENT THE ELEVATION OF THE TOP OF THE WELL CASING ON THE NORTH EDGE. THE GROUND ELEVATION REPRESENTS THE ELEVATION OF THE GROUND, NEXT TO THE WELL CASING ON THE NORTH SIDE.

SURVEY PREPARED BY:
ROBERT L. ROGERS ENGINEERING CO. INC.
LIC. BUS. #4074
1105 S.E. 3rd Ave. OCALA, FLORIDA 34471 (352) 622-9214

- LEGEND**
- I.R. IRON ROD
 - R/W RIGHT OF WAY
 - UTILITY POLE AND GUY ANCHOR
 - OVERHEAD WIRES
 - FENCE
 - CONC. CONCRETE
 - GROUND CONTOUR LINE
 - TEMPORARY BENCHMARK
 - T.B.M. ELEV.
 - ELEV. ELEVATION
 - LAT. LATITUDE
 - LONG. LONGITUDE



REVISIONS			
PLOTTED:	RMC-3	N/A	N/A
DRAWN:	RMC-3	N/A	Groundwater contours revised 2-9-2014
DESIGNED:	RMC-3	N/A	
CHECKED:	RMC-3	N/A	
SCALE:	1" = 100'		
GROUNDWATER CONTOURS			
FRIENDS RECYCLING, LLC. MARION COUNTY, FLORIDA			
ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS		PHONE: (352) 694-1799	
		FAX: (866) 832-0250	
15290 SE HWY 42, PO BOX 152 WEIRSDALE, FLORIDA 32195			
SITE PLAN			
P.N. 2009-			
Sht. 1 of 1			