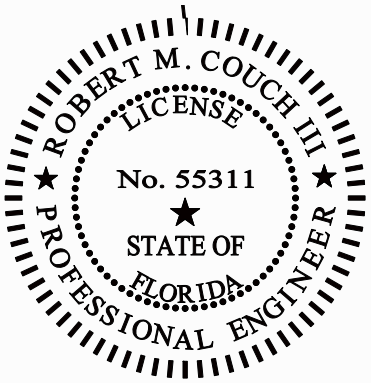
SEMI-ANNUAL MONITORING REPORT

SECOND HALF 2017

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

July 28, 2017

Robert M. Couch III, P.E.

Digitally signed by Robert M. Couch III, P.E.
DN: cn=Robert M. Couch III, P.E., o=ENVIRO-TECH, Inc., ou=Reg. No. 55311, email=envirotech@ymail.com, c=US
Date: 2017.07.31 23:09:34 -04'00'

July 28, 2017

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the Second Half of 2017
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 Second half of 2017 groundwater sampling activities on Monitoring Wells: MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9. 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 Clark B. Moore at the FDEP, per Laxsamee Levin'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 July 14, 2017, (date of the sample collection), ground water samples were collected from MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9, 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 July 14, 2017 sampling event are provided in the Appendix along with a summary of the Groundwater Elevation data. 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
Arsenic - Total	11.6	10.0	ug/L	EPA 6010C
Iron - Total	10800	300	ug/L	EPA 6010C
Sulfate	570	250	mg/L	EPA 300.0
Total Dissolved Solids	1400	500	mg/L	SM 2540C-1997

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	5.3	2.8	ug/L	EPA 350.1
Iron - Total	22900	300	ug/L	EPA 6010C
Sulfate	260	250	mg/L	EPA 300.0
Total Dissolved Solids	1200	500	mg/L	SM 2540C-1997

MW-6

Analyte	Results	Groundwater Criteria	Units	Method
ALL ITEMS BELOW	GROUND WATER	TARGET	CLEAN UP	LEVELS
Total Dissolved Solids	550	500	mg/L	SM 2540C-1997

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Arsenic - Total	14.8	10	ug/L	EPA 6010C
Iron - Total	10600	300	ug/L	EPA 6010C
Total Dissolved Solids	810	500	mg/L	SM 2540C-1997

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	9.5	2.8	ug/L	EPA 350.1
Iron - Total	17300	300	ug/L	EPA 6010C
Total Dissolved Solids	760	500	mg/L	SM 2540C-1997

MW-9

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	540	500	mg/L	SM 2540C-1997

CONCLUSION

The laboratory analytical results for MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9 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, MW-7 and MW-8. The iron concentration levels in all wells were higher than the previous sampling event. The various levels are likely the result of changes in 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-9 were higher than the previous concentrations for this sampling event. Any 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, 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.

RECOMMENDATION

It is the recommendation of ETI that sampling continue as listed in Monitoring Plan Implementation Schedule (6/25/2013 corrected 12/30/2013) for Facility 21012.

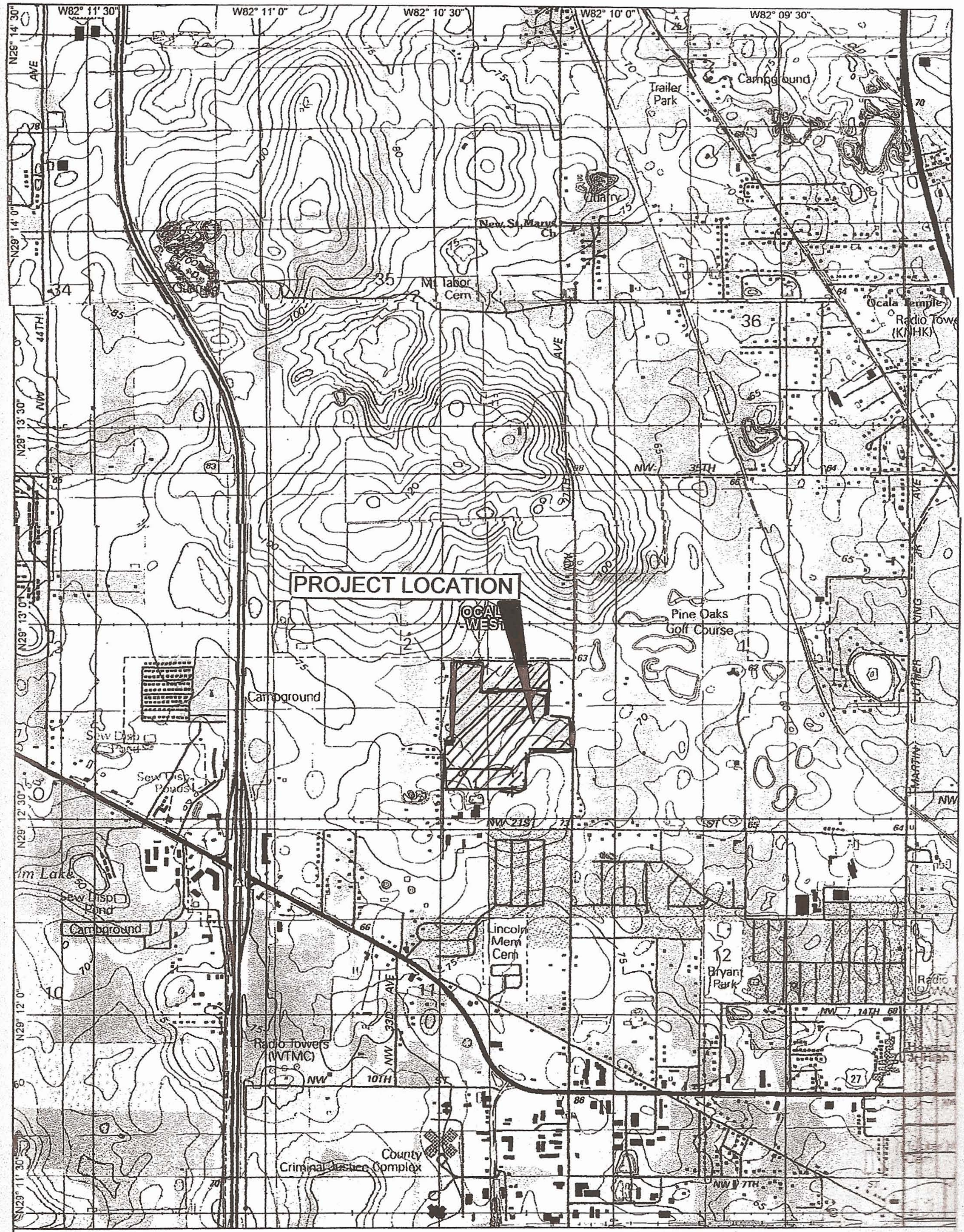
Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

Sincerely,

Robert M. Couch III

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

APPENDIX



DELORME

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www.delorme.com

Scale 1 : 24,000
1" = 2000 ft

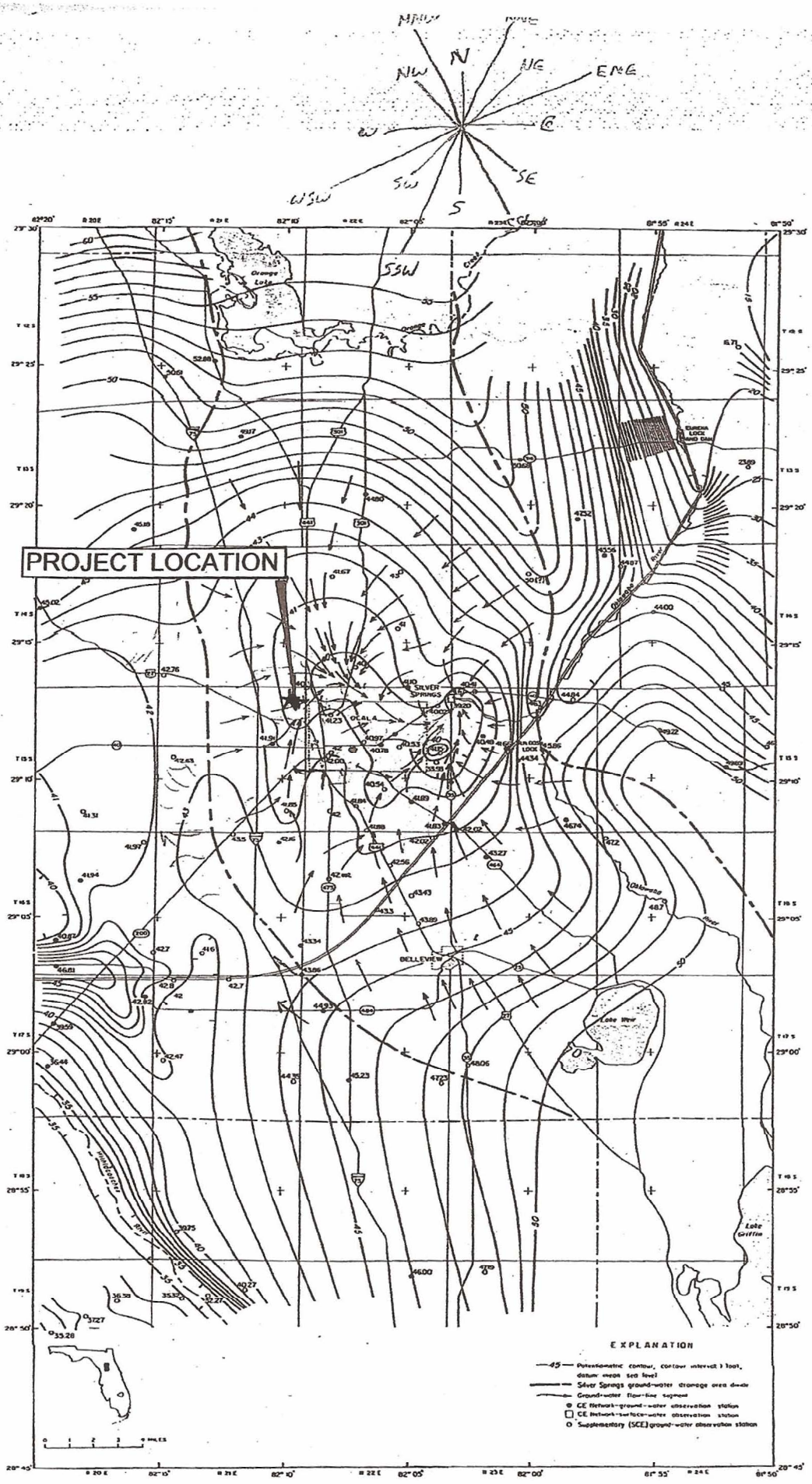


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
WACS Facility: 21012 Friends Recycling Facility

July 14, 2017

GROUNDWATER								
Well No.	**WACS No.**	**Latitude**	**Longitude**	**Ground Surface Elevation**	**Top of Casing (TOC) Elevation**	**Total Well Depth (7/14/2017)**	**Depth to Water (7/14/2017)**	**Water Table Elevation (7/14/2017)**
MW-1	18811	29d 12' 44.009" N	82d 10' 12.150" W	72.57	74.66	43.45	33.92	40.74
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	47.28	40.73
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	37.09	40.96
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.80	47.91	40.76
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	30.50	40.67
MW-9	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	28.13	40.51

MW-3 Monitoring Well Number 3 (Sampling Location)
Elevations based on NAVD-88

ATTACHMENT E

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Friends Recycling LLC-C&D Disposal and Recycling

Address 2350 NW 27th Avenue

City Ocala FL Zip 34471 County Marion

Telephone Number (352) 622-5800 E-mail address UNKNOWN

(2) WACS_Facility 21012

(3) DEP Permit Number SO42-0019600-007

(4) Authorized Representative's Name ENVIRO-TECH, Inc., Robert M. Couch III, P.E. Title President

Address PO Box 152

City Weirsdale Zip 32195 County Marion

Telephone Number (352) 694-1799 E-mail address envirotech@ymail.com

(5) Type of Discharge Groundwater

(6) Method of Discharge C&D Landfill

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.

7/28/2017
Date

Robert M. Couch III
Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Ideal Tech Services, Inc.

Analytical Lab NELAC #/ HRS Certification E83282

Lab Name Environmental Conservation Laboratories (ENCO) Orlando

Address 10775 Central Port Drive Orlando Florida 32824

Phone Number (407) 826-5314

E-mail Address

DEP 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: JUL 14 2017

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	unk. feet to unk. feet	33.92	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (43.45 feet – 33.92 feet) X .16 gallons/foot = 1.52 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = 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):
35.00	35.00	1035	1045	5.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1039	2.00	2.00	.50	34.13	6.27	25.25	1,741	.22	3.30	Clear	None
1042	1.50	3.50	.50	34.13	6.26	25.23	1,740	.15	1.60	Clear	None
1045	1.50	5.00	.50	34.13	6.24	25.22	1,727	.10	1.50	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		1045	1048

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED:	FILTER SIZE:
35.00	HDPE	Y [N]	____ µm

Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP [Y] N TUBING Y [N] (replaced) DUPLICATE: Y [N]

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			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-1	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-1	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-1	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-1	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: Slowed pump to sample

DTW = 33.92 Reference Elevation = 74.66 GWTE = 40.74 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; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling	SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-5	WACS_WELL: 22912	DATE: JUL 14 2017

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 47.28	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)
= (67.45 feet – 47.28 feet) X .16 gallons/foot = 3.23 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	PURGING INITIATED AT: 0925	PURGING ENDED AT: 0938	TOTAL VOLUME PURGED (gallons): 6.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0932	3.50	3.50	.50	47.41	6.22	28.45	1769	.14	2.30	Clear	None
0935	1.50	5.00	.50	47.41	6.22	28.44	1,783	.11	1.50	Clear	None
0938	1.50	6.50	.50	47.41	6.21	28.45	1,790	.10	1.30	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0938	SAMPLING ENDED AT: 0942
PUMP OR TUBING DEPTH IN WELL (feet): 48.50	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y [N] Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP [Y] N	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-5	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 946
MW-5	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 946
MW-5	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 946

REMARKS: Slowed pump to sample

DTW = 47.28 Reference Elevation = 88.01 GWTE = 40.73 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; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 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)

DEP 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: JUL 14 2017

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	40 feet to 50 feet	37.09	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (53.10 feet – 37.09 feet) X .16 gallons/foot = 2.56 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = 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):
38.00	38.50	0857	0908	6.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0902	3.00	3.00	.60	37.61	6.08	23.72	781	.18	18.90	clear	None
0905	1.80	4.80	.60	37.61	6.12	23.72	801	.13	6.50	clear	None
0908	1.80	6.60	.60	37.61	6.20	23.72	819	.13	2.30	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		0908	0912

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y [N]	FILTER SIZE: ____ µm
38.50	HDPE	Filtration Equipment Type:	

FIELD DECONTAMINATION: PUMP [Y] N TUBING Y [N] (replaced) DUPLICATE: Y [N]

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-6	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-6	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 946
MW-6	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 946
MW-6	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 946

REMARKS: Slowed pump to sample

DTW = 37.09 Reference Elevation = 78.05 GWTE = 40.96 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; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM:	MW-7	WACS_WELL:	22914
DATE:	JUL 14 2017		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	41 feet to 51 feet	47.91	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (53.80 feet – 47.91 feet) X .16 gallons/foot = .94 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = 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):
49.00	51.00	1113	1125	4.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1119	2.10	2.10	.35	50.36	6.15	25.27	1,124	.17	18.60	Clear	None
1122	1.05	3.15	.35	50.37	6.13	25.27	1,132	.14	9.50	Clear	None
1125	1.05	4.20	.35	50.37	6.15	25.35	1,167	.11	5.40	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		1125	1128

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y [N]	FILTER SIZE: ____ µm
51.00	HDPE	Filtration Equipment Type:	

FIELD DECONTAMINATION: PUMP [Y] N TUBING Y [N] (replaced) DUPLICATE: Y [N]

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			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	<2	Metals	ESP	≈ 1325
MW-7	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1325
MW-7	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1325

REMARKS:

DTW = 47.91 Reference Elevation = 88.67 GWTE = 40.76 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; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-8	WACS_WELL: 22915	DATE:	JUL 14 2017

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	20 feet to 30 feet	30.50	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (34.24 feet – 30.50 feet) X .16 gallons/foot = .60 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = 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):
31.50	31.50	0829	0839	2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0833	1.00	1.00	.25	30.62	6.27	25.19	1,244	.38	5.40	Clear	None
0836	.75	1.75	.25	30.62	6.19	25.21	1,258	.26	3.40	Clear	None
0839	.75	2.50	.25	30.62	6.19	25.21	1,268	.24	2.50	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		0839	0843

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
31.50	HDPE		

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-8	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-8	1	PE	250mL	HNO_3	None	< 2	Metals	ESP	≈ 757
MW-8	1	PE	250mL	H_2SO_4	None	< 2	Ammonia (350.1)	ESP	≈ 757
MW-8	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 757

REMARKS:

DTW = 30.50 Reference Elevation = 71.17 GWTE = 40.67 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; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-9	WACS_WELL: 22916	DATE:	JUL 14 2017

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 28.13	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)
= (32.80 feet – 28.13 feet) X .16 gallons/foot = .75 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.00	PURGING INITIATED AT: 1006	PURGING ENDED AT: 1017	TOTAL VOLUME PURGED (gallons): 3.85

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1011	1.75	1.75	.35	28.25	6.29	23.40	819	1.16	19.00	Clear	None
1014	1.05	2.80	.35	28.25	6.32	23.40	823	1.02	10.70	Clear	None
1017	1.05	3.85	.35	28.25	6.34	23.42	825	.99	4.20	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1017	SAMPLING ENDED AT: 1020
PUMP OR TUBING DEPTH IN WELL (feet): 29.00	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y [N] Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP [Y] N	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			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-9	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-9	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 325
MW-9	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1325
MW-9	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1325

REMARKS: DTW @ 9D = 28.10

DTW = 28.13 Reference Elevation = 68.64 GWTE = 40.51 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; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 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)

CALIBRATION LOG

ITS Work Order Number: FRL-18-071417

CLIENT: Friends Recycling

ADDRESS: 2350 NW 27th Ave.

CITY, STATE: Ocala, Florida 34475

Site: Friends Recycling C&D Landfill

START CAL DATE @ TIME: 07/14/17 @ 0715

END CALIBRATION DATE @ TIME: 07/14/17 @ 1430

YSI 556 MULTI PARAMETER METER - S/N 05G1942 AI (ITS #2) REV 5.37

pH Sensor Per DEP-SOP-001/01 FT 1100

Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE
	INITIAL	CCV			
4.005	4.00	3.99	✓	CC390462	Nov-17
7.000	7.00	7.02	7.00	CC395936	Dec-17
10.012	10.01	9.98	✓	CC384947	Nov-17

Standards are prepared by OAKTON. Liquid Temp: N/A

Temperature Sensor Per DEP-SOP-001/01 FT 1400

STANDARD (ERTCO Thermometer)		YSI METER TEMP READING		LOT NUMBER	DATE PERFORMED (Quarterly)
		LOW	HIGH		
LOW	5.20	5.23		NA	05/19/17
HIGH	29.10		29.09		05/19/17

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. Temp is in °C 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	.18	.18	7GE852	May-18
fresh air @				
24.98 °C	8.24			
30.30 °C		7.50		

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	7GD334	Apr-18
2,764	2764	2795	7GA874	Jan-18
447	NM	NM	No Stock	No Stock
84	84	84	7GA373	Jan-18

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	6GJ556	Jul-17
400	NM	NM	6GH275	Aug-17

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

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	0.22	0.92	1.60
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard. Lot A5318 Verified 02/09/15

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	Sep-18
100	100	100	See Below	Sep-18
10	10	10	See Below	Sep-18
0.02	.02	.02	See Below	Sep-18

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 60973

Remarks:

Weather Conditions:

Equipment Blank with D.I. water

Zephyrhills brand Lot #060817159WF2331336

Exp Date 12/31/18

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 5.37 on 06/23/17: Update for Calibration Solutions

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: Karen LeBeau

Chris Monaco or Karen LeBeau

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: Friends Recycling (FR008)	Project Number: 21012
Address: 2350 NW 27th Avenue	Project Name/Desc: FRIENDS RECYCLING FORMERLY OCALA RECYCLING
City/ST/Zip: Ocala, FL 34475	PO # / Billing Info:
Tel: (352) 266-4853 Fax: (352) 622-4999	Reporting Contact: Nick Giumarelli
Sampler(s) Name, Affiliation (Print): Chris Monaco Ideal Tech Services Inc.	Billing Contact: Nick Giumarelli
Sampler(s) Signature:	Site Location / Time Zone: FL/EST

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

__X__ Standard

___ Expedited

Due ___/___/___

Lab Workorder: AA04807

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Arom/Halo	Al,As,Cd,Cr,Fe,Na,Pb	Ammonia 350.1	Chloride 300,Nitrate as N 300,Sulfate 300	TDS SM2540C	Hg	Preservation (See Codes) (Combine as necessary)								Sample Comments
	MW-8	7/14/15	0843	Grab	GW	6	H	N	S	I	H	N									
	MW-6	7/14/15	0912	Grab	GW	6	x	x	x	x	x	x									
	MW-5	7/14/15	0942	Grab	GW	6	x	x	x	x	x	x									
	MW-9	7/14/15	1020	Grab	GW	6	x	x	x	x	x	x									
	MW-1	7/14/15	1048	Grab	GW	6	x	x	x	x	x	x									
	MW-7	7/14/15	1128	Grab	GW	6	x	x	x	x	x	x									
	triplank	—	—	Grab	O	2	x	-	-	-	-	-									

<-- Total # of Containers

Sample Kit Prepared By: ECG	Date/Time: 7/5/17 16:30	Relinquished By	Date/Time: 7/5/17 16:30	Received By	Date/Time: 7/7/17 1700
Comments/Special Reporting Requirements		Relinquished By	Date/Time: 7/14/17 1300	Received By	Date/Time: 7/14 1300
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt

Condition Upon Receipt: ___ Acceptable ___ 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

ENCO Laboratories
Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945

Monday, July 24, 2017
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): AA04807

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, July 14, 2017.

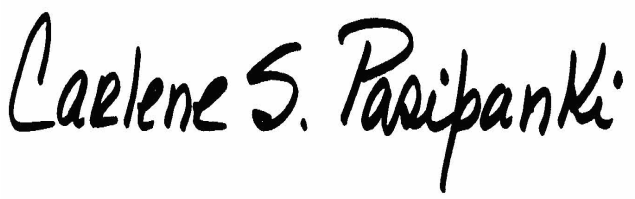
Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

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,



Carlene S Pasipanki For Kaitlin Dylnicki

Project Manager

Enclosure(s)

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-8 **Lab ID: AA04807-01** **Sampled: 07/14/17 08:43** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/16/17	08:43			07/14/17	18:01	07/14/17	22:46
EPA 300.0	08/11/17				07/14/17	18:01	07/14/17	22:46
EPA 6020A	01/10/18				07/17/17	11:06	07/19/17	10:07
EPA 7470A	08/11/17				07/18/17	12:40	07/19/17	07:17
EPA 8260B	07/28/17				07/18/17	00:00	07/19/17	02:48
Field	07/14/17	08:57			07/14/17	08:43	07/14/17	08:43
Field	07/15/17	08:43	07/15/17	08:43	07/14/17	08:43	07/14/17	08:43
Field	07/16/17	08:43			07/14/17	08:43	07/14/17	08:43
SM 2540C-1997	07/21/17				07/18/17	16:07	07/19/17	23:50

Client ID: MW-8 **Lab ID: AA04807-01RE1** **Sampled: 07/14/17 08:43** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 350.1	08/11/17	07/17/17	10:57	07/17/17	13:42
EPA 6020A	01/10/18	07/17/17	11:06	07/18/17	15:27

Client ID: MW-6 **Lab ID: AA04807-02** **Sampled: 07/14/17 09:12** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/16/17	09:12			07/14/17	18:01	07/14/17	23:01
EPA 300.0	08/11/17				07/14/17	18:01	07/14/17	23:01
EPA 350.1	08/11/17				07/17/17	10:57	07/17/17	13:16
EPA 6020A	01/10/18				07/17/17	11:06	07/19/17	10:10
EPA 7470A	08/11/17				07/18/17	12:40	07/19/17	07:54
EPA 8260B	07/28/17				07/18/17	00:00	07/19/17	03:18
Field	07/14/17	09:26			07/14/17	09:12	07/14/17	09:12
Field	07/15/17	09:12	07/15/17	09:12	07/14/17	09:12	07/14/17	09:12
Field	07/16/17	09:12			07/14/17	09:12	07/14/17	09:12
SM 2540C-1997	07/21/17				07/18/17	16:07	07/19/17	23:50

Client ID: MW-5 **Lab ID: AA04807-03** **Sampled: 07/14/17 09:42** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/16/17	09:42			07/14/17	18:01	07/14/17	23:17
EPA 300.0	08/11/17				07/14/17	18:01	07/14/17	23:17
EPA 6020A	01/10/18				07/17/17	11:06	07/19/17	10:14
EPA 7470A	08/11/17				07/18/17	12:40	07/19/17	07:58
EPA 8260B	07/28/17				07/18/17	00:00	07/19/17	03:48
Field	07/14/17	09:56			07/14/17	09:42	07/14/17	09:42
Field	07/15/17	09:42	07/15/17	09:42	07/14/17	09:42	07/14/17	09:42
Field	07/16/17	09:42			07/14/17	09:42	07/14/17	09:42
SM 2540C-1997	07/21/17				07/18/17	16:07	07/19/17	23:50

Client ID: MW-5 **Lab ID: AA04807-03RE1** **Sampled: 07/14/17 09:42** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	08/11/17	07/18/17	10:00	07/18/17	21:27
EPA 350.1	08/11/17	07/17/17	10:57	07/17/17	13:46
EPA 6020A	01/10/18	07/17/17	11:06	07/18/17	15:30

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-9 **Lab ID: AA04807-04** **Sampled: 07/14/17 10:20** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/16/17	10:20			07/14/17	18:01	07/14/17	23:32
EPA 300.0	08/11/17				07/14/17	18:01	07/14/17	23:32
EPA 350.1	08/11/17				07/17/17	10:57	07/17/17	13:18
EPA 6020A	01/10/18				07/17/17	11:06	07/19/17	10:17
EPA 7470A	08/11/17				07/18/17	12:40	07/19/17	08:01
EPA 8260B	07/28/17				07/18/17	00:00	07/19/17	04:18
Field	07/14/17	10:34			07/14/17	10:20	07/14/17	10:20
Field	07/15/17	10:20	07/15/17	10:20	07/14/17	10:20	07/14/17	10:20
Field	07/16/17	10:20			07/14/17	10:20	07/14/17	10:20
SM 2540C-1997	07/21/17				07/18/17	16:07	07/19/17	23:50

Client ID: MW-1 **Lab ID: AA04807-05** **Sampled: 07/14/17 10:48** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/16/17	10:48			07/14/17	18:01	07/14/17	23:48
EPA 300.0	08/11/17				07/14/17	18:01	07/14/17	23:48
EPA 6020A	01/10/18				07/17/17	11:06	07/19/17	10:21
EPA 7470A	08/11/17				07/18/17	12:40	07/19/17	08:04
EPA 8260B	07/28/17				07/18/17	00:00	07/19/17	04:47
Field	07/14/17	11:02			07/14/17	10:48	07/14/17	10:48
Field	07/15/17	10:48	07/15/17	10:48	07/14/17	10:48	07/14/17	10:48
Field	07/16/17	10:48			07/14/17	10:48	07/14/17	10:48
SM 2540C-1997	07/21/17				07/18/17	16:07	07/19/17	23:50

Client ID: MW-1 **Lab ID: AA04807-05RE1** **Sampled: 07/14/17 10:48** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	08/11/17		07/18/17	10:00	07/18/17	21:43
EPA 350.1	08/11/17		07/17/17	10:57	07/17/17	13:47
EPA 6020A	01/10/18		07/17/17	11:06	07/18/17	15:34

Client ID: MW-7 **Lab ID: AA04807-06** **Sampled: 07/14/17 11:28** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/16/17	11:28			07/14/17	18:01	07/15/17	00:03
EPA 300.0	08/11/17				07/14/17	18:01	07/15/17	00:03
EPA 350.1	08/11/17				07/17/17	10:57	07/17/17	13:20
EPA 6020A	01/10/18				07/17/17	11:06	07/19/17	10:24
EPA 7470A	08/11/17				07/18/17	12:40	07/19/17	08:07
EPA 8260B	07/28/17				07/18/17	00:00	07/19/17	05:17
Field	07/14/17	11:42			07/14/17	11:28	07/14/17	11:28
Field	07/15/17	11:28	07/15/17	11:28	07/14/17	11:28	07/14/17	11:28
Field	07/16/17	11:28			07/14/17	11:28	07/14/17	11:28
SM 2540C-1997	07/21/17				07/18/17	16:07	07/19/17	23:50

Client ID: MW-7 **Lab ID: AA04807-06RE1** **Sampled: 07/14/17 11:28** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	08/11/17		07/18/17	10:00	07/18/17	21:58
EPA 6020A	01/10/18		07/17/17	11:06	07/18/17	15:37

Client ID: TRIP BLANK **Lab ID: AA04807-07** **Sampled: 07/14/17 00:00** **Received: 07/14/17 14:05**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B	07/28/17	07/18/17	00:00	07/19/17	05:47

SAMPLE DETECTION SUMMARY

Client ID: MW-8 **Lab ID: AA04807-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	50		0.29	5.0	mg/L	EPA 300.0	
cis-1,2-Dichloroethene	0.55	I	0.53	1.0	ug/L	EPA 8260B	
Depth to Water	30.5				Ft	Field	
Dissolved Oxygen	0.24		0	0	mg/L	Field	
pH	6.19				pH Units	Field	
Sodium - Total	50.4		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1268		0	0	umhos/cm	Field	
Sulfate	0.53	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	25.21		0	0	°C	Field	
Total Dissolved Solids	760		10	10	mg/L	SM 2540C-1997	
Turbidity	2.5		0	0	NTU	Field	
Water Elevation	40.67				Ft	Field	

Client ID: MW-8 **Lab ID: AA04807-01RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	9.5		0.073	0.20	mg/L	EPA 350.1	QM-07
Iron - Total	17800		380	500	ug/L	EPA 6020A	

Client ID: MW-6 **Lab ID: AA04807-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.11		0.0073	0.020	mg/L	EPA 350.1	
Chloride	3.6	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	37.09				Ft	Field	
Dissolved Oxygen	0.13		0	0	mg/L	Field	
Mercury - Total	0.0703	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.2				pH Units	Field	
Sodium - Total	2.46		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	819		0	0	umhos/cm	Field	
Sulfate	41		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.72		0	0	°C	Field	
Total Dissolved Solids	550		10	10	mg/L	SM 2540C-1997	
Turbidity	2.3		0	0	NTU	Field	
Water Elevation	40.96				Ft	Field	

Client ID: MW-5 **Lab ID: AA04807-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	27		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	47.28				Ft	Field	
Dissolved Oxygen	0.1		0	0	mg/L	Field	
pH	6.21				pH Units	Field	
Sodium - Total	47.3		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1790		0	0	umhos/cm	Field	
Temperature	28.45		0	0	°C	Field	
Total Dissolved Solids	1200		10	10	mg/L	SM 2540C-1997	
Turbidity	1.3		0	0	NTU	Field	
Water Elevation	40.73				Ft	Field	

Client ID: MW-5 **Lab ID: AA04807-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	5.3		0.036	0.10	mg/L	EPA 350.1	
Iron - Total	22900		380	500	ug/L	EPA 6020A	
Sulfate	260		0.26	20	mg/L	EPA 300.0	

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SAMPLE DETECTION SUMMARY

Client ID: MW-9 **Lab ID: AA04807-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	13		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	28.13				Ft	Field	
Dissolved Oxygen	0.99		0	0	mg/L	Field	
Iron - Total	40.6	I	38.0	50.0	ug/L	EPA 6020A	
pH	6.34				pH Units	Field	
Sodium - Total	9.81		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	825		0	0	umhos/cm	Field	
Sulfate	63		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.42		0	0	°C	Field	
Total Dissolved Solids	540		10	10	mg/L	SM 2540C-1997	
Turbidity	4.2		0	0	NTU	Field	
Water Elevation	40.51				Ft	Field	

Client ID: MW-1 **Lab ID: AA04807-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	11.6		6.10	10.0	ug/L	EPA 6020A	
Chloride	18		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	33.92				Ft	Field	
Dissolved Oxygen	0.1		0	0	mg/L	Field	
pH	6.24				pH Units	Field	
Sodium - Total	41.5		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1727		0	0	umhos/cm	Field	
Temperature	25.22		0	0	°C	Field	
Total Dissolved Solids	1400		10	10	mg/L	SM 2540C-1997	
Turbidity	1.5		0	0	NTU	Field	
Water Elevation	40.74				Ft	Field	

Client ID: MW-1 **Lab ID: AA04807-05RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	2.6		0.015	0.040	mg/L	EPA 350.1	
Iron - Total	10800		380	500	ug/L	EPA 6020A	
Sulfate	570		0.53	40	mg/L	EPA 300.0	

Client ID: MW-7 **Lab ID: AA04807-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	141		68.0	100	ug/L	EPA 6020A	
Arsenic - Total	14.8		6.10	10.0	ug/L	EPA 6020A	
Chloride	21		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	47.91				Ft	Field	
Dissolved Oxygen	0.11		0	0	mg/L	Field	
Mercury - Total	0.0245	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.15				pH Units	Field	
Sodium - Total	21.5		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1167		0	0	umhos/cm	Field	
Temperature	25.35		0	0	°C	Field	
Total Dissolved Solids	810		10	10	mg/L	SM 2540C-1997	
Turbidity	5.4		0	0	NTU	Field	
Water Elevation	40.76				Ft	Field	

Client ID: MW-7 **Lab ID: AA04807-06RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	10600		380	500	ug/L	EPA 6020A	
Sulfate	170		0.20	15	mg/L	EPA 300.0	

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ANALYTICAL RESULTS

Description: MW-8 **Lab Sample ID:** AA04807-01 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 08:43 **Work Order:** AA04807

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	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	QL-02, QM-19
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	QM-11
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	**0.55**	I	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 02:48	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 02:48*	*JAJ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 02:48*	*JAJ*	
Toluene-d8	*51*	*1*	*50.0*	*101 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 02:48*	*JAJ*	

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ANALYTICAL RESULTS

Description: MW-8 **Lab Sample ID:** AA04807-01 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 08:43 **Work Order:** AA04807

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	7G17016	EPA 7470A	07/19/17 07:17	JAY	QM-07

Metals (total recoverable) 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
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	7G14029	EPA 6020A	07/19/17 10:07	JAY	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	7G14029	EPA 6020A	07/19/17 10:07	JAY	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	7G14029	EPA 6020A	07/19/17 10:07	JAY	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	7G14029	EPA 6020A	07/19/17 10:07	JAY	
Iron [7439-89-6]^	**17800**		ug/L	10	380	500	7G14029	EPA 6020A	07/18/17 15:27	JAY	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	7G14029	EPA 6020A	07/19/17 10:07	JAY	
Sodium [7440-23-5]^	**50.4**		mg/L	1	0.320	1.00	7G14029	EPA 6020A	07/19/17 10:07	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]^	**9.5**		mg/L	10	0.073	0.20	7G17024	EPA 350.1	07/17/17 13:42	KGonz	QM-07
Chloride [16887-00-6]^	**50**		mg/L	1	0.29	5.0	7G14035	EPA 300.0	07/14/17 22:46	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	7G14035	EPA 300.0	07/14/17 22:46	RSA	
Sulfate [14808-79-8]^	**0.53**	I	mg/L	1	0.07	5.0	7G14035	EPA 300.0	07/14/17 22:46	RSA	
Total Dissolved Solids^	**760**		mg/L	1	10	10	7G18037	SM 2540C-1997	07/19/17 23:50	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**30.5**		Ft	1			7G24010	Field	07/14/17 08:43	CSP	
Dissolved Oxygen	**0.24**		mg/L	1	0	0	7G24010	Field	07/14/17 08:43	CSP	
pH	**6.19**		pH Units	1			7G24010	Field	07/14/17 08:43	CSP	
Specific Conductance (EC)	**1268**		umhos/cm	1	0	0	7G24010	Field	07/14/17 08:43	CSP	
Temperature	**25.21**		°C	1	0	0	7G24010	Field	07/14/17 08:43	CSP	
Turbidity	**2.5**		NTU	1	0	0	7G24010	Field	07/14/17 08:43	CSP	
Water Elevation	**40.67**		Ft	1			7G24010	Field	07/14/17 08:43	CSP	

ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** AA04807-02 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 09:12 **Work Order:** AA04807

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	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 03:18	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 03:18*	*JAJ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 03:18*	*JAJ*	
Toluene-d8	*50*	*1*	*50.0*	*100 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 03:18*	*JAJ*	

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ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** AA04807-02 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 09:12 **Work Order:** AA04807

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]^	**0.0703**	I	ug/L	1	0.0230	0.200	7G17016	EPA 7470A	07/19/17 07:54	JAY	

Metals (total recoverable) 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
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	7G14029	EPA 6020A	07/19/17 10:10	JAY	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	7G14029	EPA 6020A	07/19/17 10:10	JAY	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	7G14029	EPA 6020A	07/19/17 10:10	JAY	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	7G14029	EPA 6020A	07/19/17 10:10	JAY	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	7G14029	EPA 6020A	07/19/17 10:10	JAY	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	7G14029	EPA 6020A	07/19/17 10:10	JAY	
Sodium [7440-23-5]^	**2.46**		mg/L	1	0.320	1.00	7G14029	EPA 6020A	07/19/17 10:10	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]^	**0.11**		mg/L	1	0.0073	0.020	7G17024	EPA 350.1	07/17/17 13:16	KGonz	
Chloride [16887-00-6]^	**3.6**	I	mg/L	1	0.29	5.0	7G14035	EPA 300.0	07/14/17 23:01	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	7G14035	EPA 300.0	07/14/17 23:01	RSA	
Sulfate [14808-79-8]^	**41**		mg/L	1	0.07	5.0	7G14035	EPA 300.0	07/14/17 23:01	RSA	
Total Dissolved Solids^	**550**		mg/L	1	10	10	7G18037	SM 2540C-1997	07/19/17 23:50	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**37.09**		Ft	1			7G24010	Field	07/14/17 09:12	CSP	
Dissolved Oxygen	**0.13**		mg/L	1	0	0	7G24010	Field	07/14/17 09:12	CSP	
pH	**6.2**		pH Units	1			7G24010	Field	07/14/17 09:12	CSP	
Specific Conductance (EC)	**819**		umhos/cm	1	0	0	7G24010	Field	07/14/17 09:12	CSP	
Temperature	**23.72**		°C	1	0	0	7G24010	Field	07/14/17 09:12	CSP	
Turbidity	**2.3**		NTU	1	0	0	7G24010	Field	07/14/17 09:12	CSP	
Water Elevation	**40.96**		Ft	1			7G24010	Field	07/14/17 09:12	CSP	

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ANALYTICAL RESULTS

Description: MW-5 **Lab Sample ID:** AA04807-03 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 09:42 **Work Order:** AA04807

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	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 03:48	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 03:48*	*JAJ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 03:48*	*JAJ*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 03:48*	*JAJ*	

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ANALYTICAL RESULTS

Description: MW-5 **Lab Sample ID:** AA04807-03 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 09:42 **Work Order:** AA04807

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	7G17016	EPA 7470A	07/19/17 07:58	JAY	

Metals (total recoverable) 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
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	7G14029	EPA 6020A	07/19/17 10:14	JAY	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	7G14029	EPA 6020A	07/19/17 10:14	JAY	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	7G14029	EPA 6020A	07/19/17 10:14	JAY	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	7G14029	EPA 6020A	07/19/17 10:14	JAY	
Iron [7439-89-6]^	**22900**		ug/L	10	380	500	7G14029	EPA 6020A	07/18/17 15:30	JAY	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	7G14029	EPA 6020A	07/19/17 10:14	JAY	
Sodium [7440-23-5]^	**47.3**		mg/L	1	0.320	1.00	7G14029	EPA 6020A	07/19/17 10:14	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]^	**5.3**		mg/L	5	0.036	0.10	7G17024	EPA 350.1	07/17/17 13:46	KGonz	
Chloride [16887-00-6]^	**27**		mg/L	1	0.29	5.0	7G14035	EPA 300.0	07/14/17 23:17	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	7G14035	EPA 300.0	07/14/17 23:17	RSA	
Sulfate [14808-79-8]^	**260**		mg/L	4	0.26	20	7G18002	EPA 300.0	07/18/17 21:27	RSA	
Total Dissolved Solids^	**1200**		mg/L	1	10	10	7G18037	SM 2540C-1997	07/19/17 23:50	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**47.28**		Ft	1			7G24010	Field	07/14/17 09:42	CSP	
Dissolved Oxygen	**0.1**		mg/L	1	0	0	7G24010	Field	07/14/17 09:42	CSP	
pH	**6.21**		pH Units	1			7G24010	Field	07/14/17 09:42	CSP	
Specific Conductance (EC)	**1790**		umhos/cm	1	0	0	7G24010	Field	07/14/17 09:42	CSP	
Temperature	**28.45**		°C	1	0	0	7G24010	Field	07/14/17 09:42	CSP	
Turbidity	**1.3**		NTU	1	0	0	7G24010	Field	07/14/17 09:42	CSP	
Water Elevation	**40.73**		Ft	1			7G24010	Field	07/14/17 09:42	CSP	

ANALYTICAL RESULTS

Description: MW-9 **Lab Sample ID:** AA04807-04 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 10:20 **Work Order:** AA04807

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	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 04:18	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 04:18*	*JAJ*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 04:18*	*JAJ*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 04:18*	*JAJ*	

ANALYTICAL RESULTS

Description: MW-9 **Lab Sample ID:** AA04807-04 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 10:20 **Work Order:** AA04807

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	7G17016	EPA 7470A	07/19/17 08:01	JAY	

Metals (total recoverable) 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
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	7G14029	EPA 6020A	07/19/17 10:17	JAY	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	7G14029	EPA 6020A	07/19/17 10:17	JAY	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	7G14029	EPA 6020A	07/19/17 10:17	JAY	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	7G14029	EPA 6020A	07/19/17 10:17	JAY	
Iron [7439-89-6]^	**40.6**	I	ug/L	1	38.0	50.0	7G14029	EPA 6020A	07/19/17 10:17	JAY	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	7G14029	EPA 6020A	07/19/17 10:17	JAY	
Sodium [7440-23-5]^	**9.81**		mg/L	1	0.320	1.00	7G14029	EPA 6020A	07/19/17 10:17	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	7G17024	EPA 350.1	07/17/17 13:18	KGonz	
Chloride [16887-00-6]^	**13**		mg/L	1	0.29	5.0	7G14035	EPA 300.0	07/14/17 23:32	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	7G14035	EPA 300.0	07/14/17 23:32	RSA	
Sulfate [14808-79-8]^	**63**		mg/L	1	0.07	5.0	7G14035	EPA 300.0	07/14/17 23:32	RSA	
Total Dissolved Solids^	**540**		mg/L	1	10	10	7G18037	SM 2540C-1997	07/19/17 23:50	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**28.13**		Ft	1			7G24010	Field	07/14/17 10:20	CSP	
Dissolved Oxygen	**0.99**		mg/L	1	0	0	7G24010	Field	07/14/17 10:20	CSP	
pH	**6.34**		pH Units	1			7G24010	Field	07/14/17 10:20	CSP	
Specific Conductance (EC)	**825**		umhos/cm	1	0	0	7G24010	Field	07/14/17 10:20	CSP	
Temperature	**23.42**		°C	1	0	0	7G24010	Field	07/14/17 10:20	CSP	
Turbidity	**4.2**		NTU	1	0	0	7G24010	Field	07/14/17 10:20	CSP	
Water Elevation	**40.51**		Ft	1			7G24010	Field	07/14/17 10:20	CSP	

ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** AA04807-05 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 10:48 **Work Order:** AA04807

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	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 04:47	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 04:47*	*JAJ*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 04:47*	*JAJ*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 04:47*	*JAJ*	

ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** AA04807-05 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 10:48 **Work Order:** AA04807

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	7G17016	EPA 7470A	07/19/17 08:04	JAY	

Metals (total recoverable) 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
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	7G14029	EPA 6020A	07/19/17 10:21	JAY	
Arsenic [7440-38-2]^	**11.6**		ug/L	1	6.10	10.0	7G14029	EPA 6020A	07/19/17 10:21	JAY	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	7G14029	EPA 6020A	07/19/17 10:21	JAY	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	7G14029	EPA 6020A	07/19/17 10:21	JAY	
Iron [7439-89-6]^	**10800**		ug/L	10	380	500	7G14029	EPA 6020A	07/18/17 15:34	JAY	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	7G14029	EPA 6020A	07/19/17 10:21	JAY	
Sodium [7440-23-5]^	**41.5**		mg/L	1	0.320	1.00	7G14029	EPA 6020A	07/19/17 10:21	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]^	**2.6**		mg/L	2	0.015	0.040	7G17024	EPA 350.1	07/17/17 13:47	KGonz	
Chloride [16887-00-6]^	**18**		mg/L	1	0.29	5.0	7G14035	EPA 300.0	07/14/17 23:48	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	7G14035	EPA 300.0	07/14/17 23:48	RSA	
Sulfate [14808-79-8]^	**570**		mg/L	8	0.53	40	7G18002	EPA 300.0	07/18/17 21:43	RSA	
Total Dissolved Solids^	**1400**		mg/L	1	10	10	7G18037	SM 2540C-1997	07/19/17 23:50	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**33.92**		Ft	1			7G24010	Field	07/14/17 10:48	CSP	
Dissolved Oxygen	**0.1**		mg/L	1	0	0	7G24010	Field	07/14/17 10:48	CSP	
pH	**6.24**		pH Units	1			7G24010	Field	07/14/17 10:48	CSP	
Specific Conductance (EC)	**1727**		umhos/cm	1	0	0	7G24010	Field	07/14/17 10:48	CSP	
Temperature	**25.22**		°C	1	0	0	7G24010	Field	07/14/17 10:48	CSP	
Turbidity	**1.5**		NTU	1	0	0	7G24010	Field	07/14/17 10:48	CSP	
Water Elevation	**40.74**		Ft	1			7G24010	Field	07/14/17 10:48	CSP	

ANALYTICAL RESULTS

Description: MW-7 **Lab Sample ID:** AA04807-06 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 11:28 **Work Order:** AA04807

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	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 05:17	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 05:17*	*JAJ*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 05:17*	*JAJ*	
Toluene-d8	*53*	*1*	*50.0*	*107 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 05:17*	*JAJ*	

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ANALYTICAL RESULTS

Description: MW-7 **Lab Sample ID:** AA04807-06 **Received:** 07/14/17 14:05

Matrix: Ground Water **Sampled:** 07/14/17 11:28 **Work Order:** AA04807

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]^	**0.0245**	I	ug/L	1	0.0230	0.200	7G17016	EPA 7470A	07/19/17 08:07	JAY	

Metals (total recoverable) 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
Aluminum [7429-90-5]^	**141**		ug/L	1	68.0	100	7G14029	EPA 6020A	07/19/17 10:24	JAY	
Arsenic [7440-38-2]^	**14.8**		ug/L	1	6.10	10.0	7G14029	EPA 6020A	07/19/17 10:24	JAY	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	7G14029	EPA 6020A	07/19/17 10:24	JAY	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	7G14029	EPA 6020A	07/19/17 10:24	JAY	
Iron [7439-89-6]^	**10600**		ug/L	10	380	500	7G14029	EPA 6020A	07/18/17 15:37	JAY	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	7G14029	EPA 6020A	07/19/17 10:24	JAY	
Sodium [7440-23-5]^	**21.5**		mg/L	1	0.320	1.00	7G14029	EPA 6020A	07/19/17 10:24	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	7G17024	EPA 350.1	07/17/17 13:20	KGonz	
Chloride [16887-00-6]^	**21**		mg/L	1	0.29	5.0	7G14035	EPA 300.0	07/15/17 00:03	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	7G14035	EPA 300.0	07/15/17 00:03	RSA	
Sulfate [14808-79-8]^	**170**		mg/L	3	0.20	15	7G18002	EPA 300.0	07/18/17 21:58	RSA	
Total Dissolved Solids^	**810**		mg/L	1	10	10	7G18037	SM 2540C-1997	07/19/17 23:50	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**47.91**		Ft	1			7G24010	Field	07/14/17 11:28	CSP	
Dissolved Oxygen	**0.11**		mg/L	1	0	0	7G24010	Field	07/14/17 11:28	CSP	
pH	**6.15**		pH Units	1			7G24010	Field	07/14/17 11:28	CSP	
Specific Conductance (EC)	**1167**		umhos/cm	1	0	0	7G24010	Field	07/14/17 11:28	CSP	
Temperature	**25.35**		°C	1	0	0	7G24010	Field	07/14/17 11:28	CSP	
Turbidity	**5.4**		NTU	1	0	0	7G24010	Field	07/14/17 11:28	CSP	
Water Elevation	**40.76**		Ft	1			7G24010	Field	07/14/17 11:28	CSP	

ANALYTICAL RESULTS

Description: TRIP BLANK
Matrix: Ground Water
Project: FRIENDS RECYCLING FORMERLY OCALA RECYCLING

Lab Sample ID: AA04807-07
Sampled: 07/14/17 00:00
Sampled By: ENCO

Received: 07/14/17 14:05
Work Order: AA04807

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	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	7G18030	EPA 8260B	07/19/17 05:47	JAJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*41-142*	*7G18030*	*EPA 8260B*	*07/19/17 05:47*	*JAJ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*53-146*	*7G18030*	*EPA 8260B*	*07/19/17 05:47*	*JAJ*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*41-146*	*7G18030*	*EPA 8260B*	*07/19/17 05:47*	*JAJ*	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 7G18030 - EPA 5030B_MS

Blank (7G18030-BLK1) Prepared: 07/18/2017 00:00 Analyzed: 07/19/2017 01:48

Analyte	Result	Flag	PQL	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	2.0	U	5.0	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	*49*			*ug/L*	*50.0*		*98*	*41-142*			
Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*53-146*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*41-146*			

LCS (7G18030-BS1) Prepared: 07/18/2017 00:00 Analyzed: 07/18/2017 23:49

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		98	47-139			
Benzene	22		1.0	ug/L	20.0		112	56-136			
Chlorobenzene	20		1.0	ug/L	20.0		98	51-139			
Toluene	21		1.0	ug/L	20.0		104	64-131			
Trichloroethene	19		1.0	ug/L	20.0		96	62-135			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 7G18030 - EPA 5030B_MS - Continued

LCS (7G18030-BS1) Continued Prepared: 07/18/2017 00:00 Analyzed: 07/18/2017 23:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*105*	*41-142*			
Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*53-146*			
Toluene-d8	*52*			*ug/L*	*50.0*		*104*	*41-146*			

Matrix Spike (7G18030-MS1) Prepared: 07/18/2017 00:00 Analyzed: 07/19/2017 00:19

Source: AA04807-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.94 U	109	47-139			
Benzene	24		1.0	ug/L	20.0	0.71 U	121	56-136			
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	108	51-139			
Toluene	23		1.0	ug/L	20.0	0.72 U	115	64-131			
Trichloroethene	20		1.0	ug/L	20.0	0.89 U	102	62-135			
4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*41-142*			
Dibromofluoromethane	*35*			*ug/L*	*50.0*		*69*	*53-146*			
Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*41-146*			

Matrix Spike Dup (7G18030-MSD1) Prepared: 07/18/2017 00:00 Analyzed: 07/19/2017 00:49

Source: AA04807-01

Analyte	Result	Flag	PQL	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	8	16	
Benzene	24		1.0	ug/L	20.0	0.71 U	119	56-136	2	14	
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	108	51-139	0.2	13	
Toluene	23		1.0	ug/L	20.0	0.72 U	117	64-131	2	16	
Trichloroethene	21		1.0	ug/L	20.0	0.89 U	104	62-135	2	20	
4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*101*	*41-142*			
Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*53-146*			
Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*41-146*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7G17016 - EPA 7470A

Blank (7G17016-BLK1) Prepared: 07/18/2017 12:40 Analyzed: 07/19/2017 07:05

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

Blank (7G17016-BLK2) Prepared: 07/18/2017 12:40 Analyzed: 07/19/2017 07:08

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

LCS (7G17016-BS1) Prepared: 07/18/2017 12:40 Analyzed: 07/19/2017 07:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.02		0.200	ug/L	5.00		100	80-120			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7G17016 - EPA 7470A - Continued

Matrix Spike (7G17016-MS1) Prepared: 07/18/2017 12:40 Analyzed: 07/19/2017 07:20

Source: AA04807-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.22		0.200	ug/L	5.00	0.0230 U	64	75-125			QM-07

Matrix Spike Dup (7G17016-MSD1) Prepared: 07/18/2017 12:40 Analyzed: 07/19/2017 07:23

Source: AA04807-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.18		0.200	ug/L	5.00	0.0230 U	64	75-125	1	20	QM-07

Post Spike (7G17016-PS1) Prepared: 07/19/2017 06:00 Analyzed: 07/19/2017 07:27

Source: AA04807-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.25		0.200	ug/L	5.61	-0.00891	94	80-120			

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

Batch 7G14029 - EPA 3005A

Blank (7G14029-BLK1) Prepared: 07/17/2017 11:06 Analyzed: 07/18/2017 12:29

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	68.0	U	100	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Cadmium	0.900	U	3.00	ug/L							
Chromium	4.50	U	10.0	ug/L							
Iron	38.0	U	50.0	ug/L							
Lead	1.60	U	5.00	ug/L							
Sodium	0.320	U	1.00	mg/L							

Blank (7G14029-BLK2) Prepared: 07/18/2017 08:38 Analyzed: 07/18/2017 12:32

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	6.80	U	10.0	ug/L							
Arsenic	0.610	U	1.00	ug/L							
Cadmium	0.0900	U	0.300	ug/L							
Chromium	0.450	U	1.00	ug/L							
Iron	3.80	U	5.00	ug/L							
Lead	0.160	U	0.500	ug/L							
Sodium	0.0320	U	0.100	mg/L							

LCS (7G14029-BS1) Prepared: 07/17/2017 11:06 Analyzed: 07/18/2017 12:36

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1000		100	ug/L	1000		100	80-120			
Arsenic	510		10.0	ug/L	500		102	80-120			
Cadmium	49.2		3.00	ug/L	50.0		98	80-120			
Chromium	523		10.0	ug/L	500		105	80-120			
Iron	1070		50.0	ug/L	1000		107	80-120			
Lead	496		5.00	ug/L	500		99	80-120			
Sodium	26.7		1.00	mg/L	25.0		107	80-120			

QUALITY CONTROL DATA

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

Batch 7G14029 - EPA 3005A - Continued

Matrix Spike (7G14029-MS1) Prepared: 07/17/2017 11:06 Analyzed: 07/18/2017 12:43

Source: AA05074-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	989		100	ug/L	1000	68.0 U	99	75-125			
Arsenic	491		10.0	ug/L	500	6.10 U	98	75-125			
Cadmium	48.0		3.00	ug/L	50.0	0.900 U	96	75-125			
Chromium	505		10.0	ug/L	500	4.50 U	101	75-125			
Iron	1040		50.0	ug/L	1000	38.0 U	104	75-125			
Lead	487		5.00	ug/L	500	1.60 U	97	75-125			
Sodium	29.5		1.00	mg/L	25.0	3.25	105	75-125			

Matrix Spike Dup (7G14029-MSD1) Prepared: 07/17/2017 11:06 Analyzed: 07/18/2017 12:47

Source: AA05074-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1000		100	ug/L	1000	68.0 U	100	75-125	1	20	
Arsenic	479		10.0	ug/L	500	6.10 U	96	75-125	2	20	
Cadmium	48.3		3.00	ug/L	50.0	0.900 U	97	75-125	0.6	20	
Chromium	515		10.0	ug/L	500	4.50 U	103	75-125	2	20	
Iron	1040		50.0	ug/L	1000	38.0 U	104	75-125	0.5	20	
Lead	484		5.00	ug/L	500	1.60 U	97	75-125	0.7	20	
Sodium	29.3		1.00	mg/L	25.0	3.25	104	75-125	0.8	20	

Post Spike (7G14029-PS1) Prepared: 07/18/2017 11:00 Analyzed: 07/18/2017 12:50

Source: AA05074-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	93.6		10.0	ug/L	98.0	0.887	95	80-120			
Arsenic	48.1		1.00	ug/L	49.0	-0.104	98	80-120			
Cadmium	4.83		0.300	ug/L	4.90	0.0129	98	80-120			
Chromium	51.5		1.00	ug/L	49.0	-0.0457	105	80-120			
Iron	102		5.00	ug/L	98.0	1.25	103	80-120			
Lead	47.7		0.500	ug/L	49.0	0.0372	97	80-120			
Sodium	2850		100	ug/L	2450	318	103	80-120			

Classical Chemistry Parameters - Quality Control

Batch 7G14035 - NO PREP

Blank (7G14035-BLK1) Prepared: 07/14/2017 18:01 Analyzed: 07/14/2017 21:59

Analyte	Result	Flag	PQL	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 (7G14035-BS1) Prepared: 07/14/2017 18:01 Analyzed: 07/14/2017 22:14

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0		99	90-110			
Nitrate as N	26		1.0	mg/L	25.0		102	90-110			
Sulfate	50		5.0	mg/L	50.0		100	90-110			

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 7G14035 - NO PREP - Continued

LCS Dup (7G14035-BSD1) Prepared: 07/14/2017 18:01 Analyzed: 07/14/2017 22:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0		99	90-110	0.3	10	
Nitrate as N	26		1.0	mg/L	25.0		102	90-110	0.1	10	
Sulfate	50		5.0	mg/L	50.0		101	90-110	0.6	10	

Matrix Spike (7G14035-MS2) Prepared: 07/14/2017 18:01 Analyzed: 07/15/2017 02:39

Source: AA04924-03RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		10	mg/L	50.0	48	109	90-110			
Nitrate as N	24		2.0	mg/L	25.0	0.10 U	96	90-110			
Sulfate	70		10	mg/L	50.0	19	102	90-110			

Matrix Spike (7G14035-MS3) Prepared: 07/14/2017 18:01 Analyzed: 07/15/2017 06:53

Source: AA04718-05RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	76		10	mg/L	50.0	23	106	90-110			
Nitrate as N	25		2.0	mg/L	25.0	0.10 U	98	90-110			
Sulfate	140		10	mg/L	50.0	91	107	90-110			

Matrix Spike Dup (7G14035-MSD2) Prepared: 07/14/2017 18:01 Analyzed: 07/15/2017 02:55

Source: AA04924-03RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		10	mg/L	50.0	48	106	90-110	2	10	
Nitrate as N	23		2.0	mg/L	25.0	0.10 U	93	90-110	4	10	
Sulfate	68		10	mg/L	50.0	19	99	90-110	2	10	

Matrix Spike Dup (7G14035-MSD3) Prepared: 07/14/2017 18:01 Analyzed: 07/15/2017 07:09

Source: AA04718-05RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	75		10	mg/L	50.0	23	105	90-110	0.6	10	
Nitrate as N	24		2.0	mg/L	25.0	0.10 U	94	90-110	4	10	
Sulfate	140		10	mg/L	50.0	91	103	90-110	1	10	

Batch 7G17024 - NO PREP

Blank (7G17024-BLK1) Prepared: 07/17/2017 10:57 Analyzed: 07/17/2017 13:04

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

LCS (7G17024-BS1) Prepared: 07/17/2017 10:57 Analyzed: 07/17/2017 13:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.020	mg/L	1.00		106	90-110			

Matrix Spike (7G17024-MS2) Prepared: 07/17/2017 10:57 Analyzed: 07/17/2017 13:23

Source: AA05074-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 7G17024 - NO PREP - Continued

Matrix Spike (7G17024-MS2) Continued Prepared: 07/17/2017 10:57 Analyzed: 07/17/2017 13:23

Source: AA05074-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.020	mg/L	1.00	0.070	100	90-110			

Matrix Spike (7G17024-MS3) Prepared: 07/17/2017 10:57 Analyzed: 07/17/2017 13:43

Source: AA04807-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	11		0.20	mg/L	1.00	9.5	106	90-110			

Matrix Spike Dup (7G17024-MSD3) Prepared: 07/17/2017 10:57 Analyzed: 07/17/2017 13:44

Source: AA04807-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	11		0.20	mg/L	1.00	9.5	116	90-110	0.9	10	QM-07

Batch 7G18002 - NO PREP

Blank (7G18002-BLK1) Prepared: 07/18/2017 10:00 Analyzed: 07/18/2017 17:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	0.07	U	5.0	mg/L							

LCS (7G18002-BS1) Prepared: 07/18/2017 10:00 Analyzed: 07/18/2017 18:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	51		5.0	mg/L	50.0		102	90-110			

Matrix Spike (7G18002-MS1) Prepared: 07/18/2017 10:00 Analyzed: 07/18/2017 18:20

Source: AA04338-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	58		5.0	mg/L	50.0	8.2	99	90-110			

Matrix Spike (7G18002-MS2) Prepared: 07/18/2017 10:00 Analyzed: 07/18/2017 19:38

Source: AA04572-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	50		5.0	mg/L	50.0	1.9	96	90-110			

Matrix Spike Dup (7G18002-MSD1) Prepared: 07/18/2017 10:00 Analyzed: 07/18/2017 18:36

Source: AA04338-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	58		5.0	mg/L	50.0	8.2	100	90-110	0.8	10	

Matrix Spike Dup (7G18002-MSD2) Prepared: 07/18/2017 10:00 Analyzed: 07/18/2017 19:54

Source: AA04572-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	49		5.0	mg/L	50.0	1.9	95	90-110	0.4	10	

Batch 7G18037 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 7G18037 - NO PREP - Continued

Blank (7G18037-BLK1) Prepared: 07/18/2017 16:07 Analyzed: 07/19/2017 23:50

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

LCS (7G18037-BS1) Prepared: 07/18/2017 16:07 Analyzed: 07/19/2017 23:50

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

Duplicate (7G18037-DUP1) Prepared: 07/18/2017 16:07 Analyzed: 07/19/2017 23:50

Source: AA04338-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	160		10	mg/L		170			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.
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QM-19	The spike recovery was outside acceptance limits for the MS and/or MSD.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name: Friends Recycling (FR008)	Project Number: 21012
Address: 2350 NW 27th Avenue	Project Name/Desc: FRIENDS RECYCLING FORMERLY OCALA RECYCLING
City/ST/Zip: Ocala, FL 34475	PO # / Billing Info:
Tel: (352) 266-4853 Fax: (352) 622-4999	Reporting Contact: Nick Giumarelli
Sampler(s) Name, Affiliation (Print): Chris Monaco Ideal Tech Services Inc.	Billing Contact: Nick Giumarelli
Sampler(s) Signature:	Site Location / Time Zone: FL/EST

Requested Analyses: 8260B Arom/Halo; Al,As,Cd,Cr,Fe,Na,Pb; Ammonia 350.1; Chloride 300,Nitrate as N 300,Sulfate 300; TDS SM2540C; Hg

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: AA04807

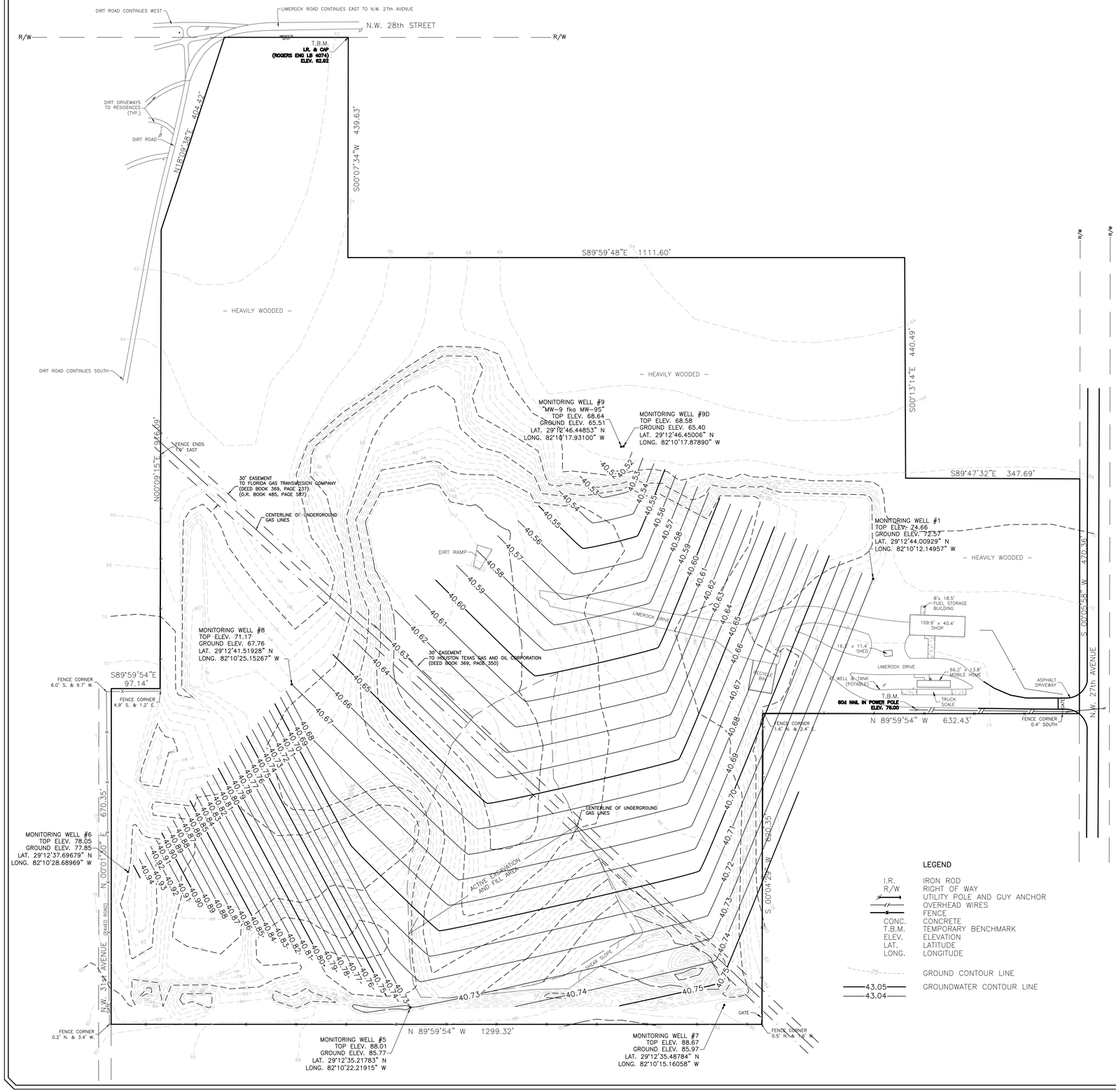
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)						Sample Comments
							H	N	S	I	I	N	
	MW-8	7/14/15	0843	Grab	GW	6	x	x	x	x	x	x	
	MW-6	7/14/15	0912	Grab	GW	6	x	x	x	x	x	x	
	MW-5	7/14/15	0942	Grab	GW	6	x	x	x	x	x	x	
	MW-9	7/14/15	1020	Grab	GW	6	x	x	x	x	x	x	
	MW-1	7/14/15	1048	Grab	GW	6	x	x	x	x	x	x	
	MW-7	7/14/15	1128	Grab	GW	6	x	x	x	x	x	x	
	tripblank	—	—	Grab	O	2	x	-	-	-	-	-	

<-- Total # of Containers

Sample Kit Prepared By: EC6	Date/Time: 7/5/17 16:30	Relinquished By:	Date/Time: 7/5/17 16:30	Received By:	Date/Time: 7/7/17 1700
Comments/Special Reporting Requirements:		Relinquished By:	Date/Time: 7/14/17 1300	Received By:	Date/Time: 7/14 1300
		Relinquished By:	Date/Time: 7/14 1400	Received By:	Date/Time: 7-14-17 1405
		Cooler #'s & Temps on Receipt: Med-Red 2.1°C		Condition Upon Receipt: ✓ Acceptable ___ 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)



LEGEND

I.R.	IRON ROD
R/W	RIGHT OF WAY
	UTILITY POLE AND GUY ANCHOR
	OVERHEAD WIRES
	FENCE
CONC.	CONCRETE
T.B.M.	TEMPORARY BENCHMARK
ELEV.	ELEVATION
LAT.	LATITUDE
LONG.	LONGITUDE
	GROUND CONTOUR LINE
43.05	GROUNDWATER CONTOUR LINE
43.04	

N

ETI

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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

REVISIONS

PLOTTED:	RMC-3	N/A
DRAWN:	RMC-3	N/A
DESIGNED:	RMC-3	N/A
CHECKED:	RMC-3	N/A
SCALE:	1" = 100'	

Groundwater contours revised 7-27-17

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

ROBERT M. COUCH III, P.E. : _____
FLORIDA REG. No. 55311
DATE : _____
C.O.A. No. 8692

SITE PLAN
P.N. 2009–
Sht. 1 of 1