
SEMI-ANNUAL MONITORING REPORT

SECOND HALF 2018

**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 15, 2018

July 15, 2018

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the Second Half of 2018
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 2018 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 6, 2018, (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 6, 2018 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
Ammonia as N	3.7	2.8	ug/L	EPA 350.1
Iron - Total	16500	300	ug/L	EPA 6020A
Sulfate	700	250	mg/L	EPA 300.0
Total Dissolved Solids	1700	500	mg/L	SM 2540C-1997

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	6.4	2.8	ug/L	EPA 350.1
Iron - Total	12000	300	ug/L	EPA 6020A
Total Dissolved Solids	880	500	mg/L	SM 2540C-1997

MW-6

Analyte	Results	Groundwater Criteria	Units	Method
ALL ITEMS BELOW	GROUND WATER	TARGET	CLEAN UP	LEVELS
Iron - Total	4750	300	ug/L	EPA 6020A
Total Dissolved Solids	750	500	mg/L	SM 2540C-1997

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Sulfate	310	250	mg/L	EPA 300.0
Iron - Total	61500	300	ug/L	EPA 6020A
Total Dissolved Solids	980	500	mg/L	SM 2540C-1997

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	12	2.8	ug/L	EPA 350.1
Iron - Total	28300	300	ug/L	EPA 6020A
Total Dissolved Solids	750	500	mg/L	SM 2540C-1997

MW-9

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	570	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 noted in monitoring wells MW-1, MW-5, MW-6, MW-7 and MW-8. The iron concentration levels in all wells except MW-5 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-6, MW-7 and MW-8 were higher than or equal to the previous concentrations for this sampling event. Any higher concentrations are expected to be the result of changes in rainfall amounts.

Ammonia as N was noted slightly above GCTL's in MW-1, MW-5, and MW-8. This change in concentration is 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.

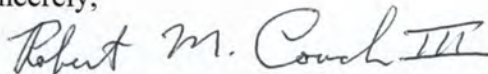
It should be noted that, according to the groundwater sampling logs, the samples were taken in accordance DEP-SOP-001/01 FS 2200.

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.

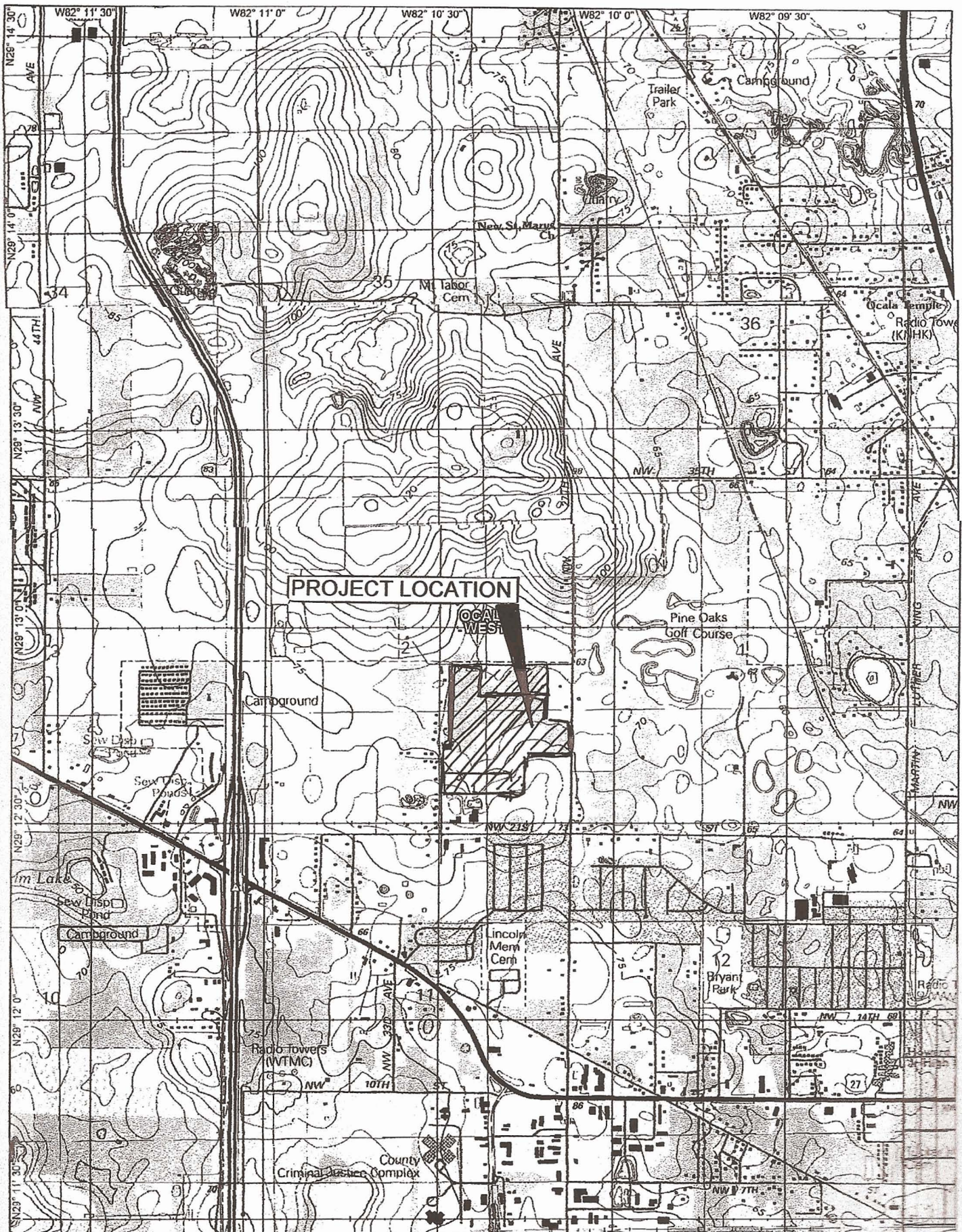
Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

Sincerely,



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

APPENDIX

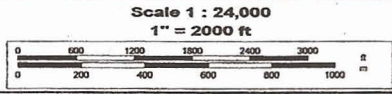


PROJECT LOCATION

OCALA WEST



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www.delorme.com



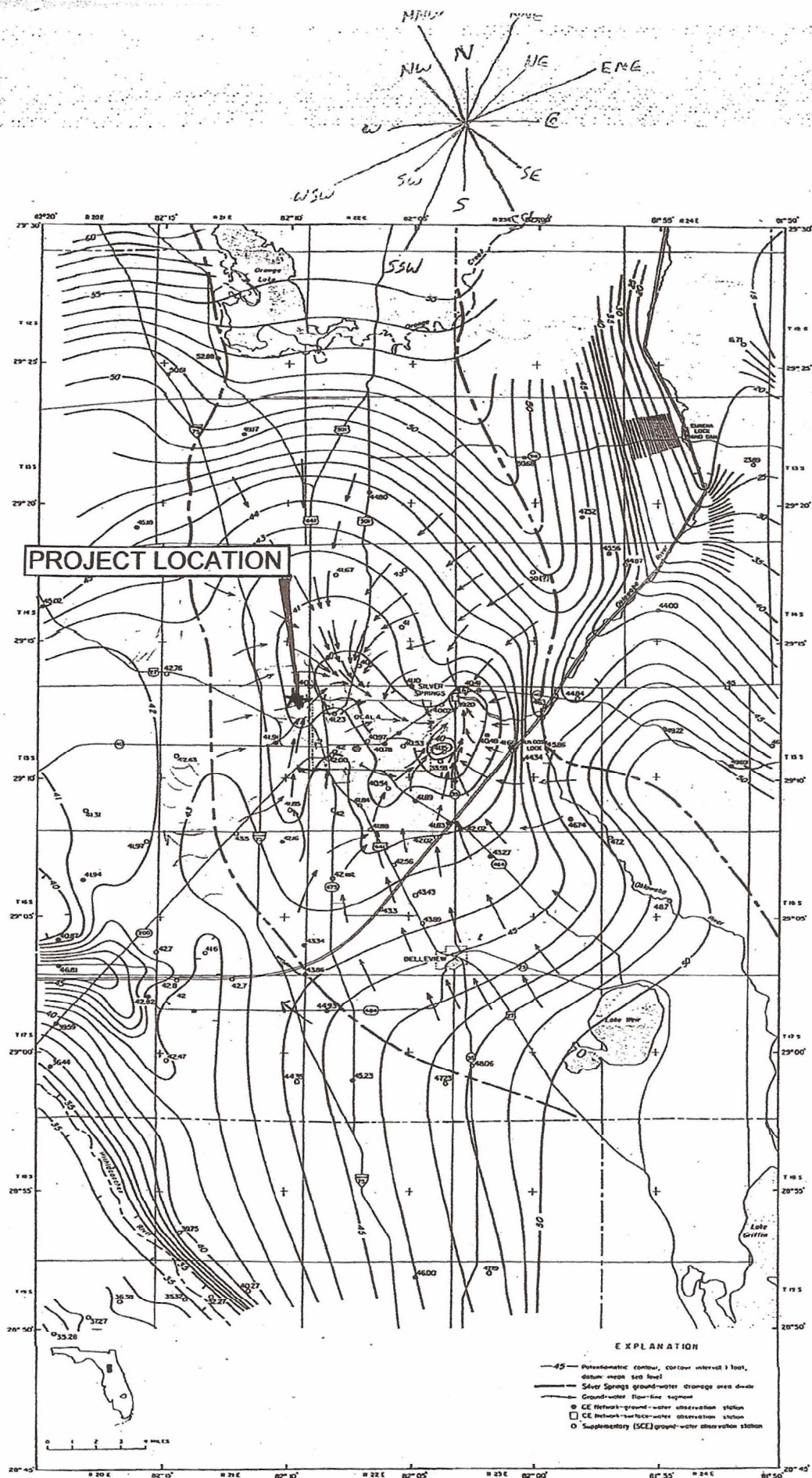


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

WACS Facility: 21012 Friends Recycling Facility

July 6, 2018

GROUNDWATER								
Well No.	WACS No.	Latitude	Longitude	Ground Surface Elevation	Top of Casing (TOC) Elevation	Total Well Depth (7/06/2018)	Depth to Water (7/16/2018)	Water Table Elevation (7/06/2018)
MW-1	18811	29d 12' 44.009" N	82d 10' 12.150" W	72.57	74.66	43.45	30.76	45.06
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	44.1	45.08
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	34.00	45.18
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.80	44.46	45.17
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	27.34	44.96
MW-9	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	24.97	44.79

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.

7/15/2018
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 _____



CALIBRATION LOG

ITS Work Order Number: FRL-20-070718

CLIENT: Friends Recycling
ADDRESS: 2350 NW 27th Ave.
CITY, STATE: Ocala, FL 34475
START CAL DATE @ TIME: 07/06/18 @ 0630

Site: Friends Recycling C&D Landfill
END CALIBRATION DATE @ TIME: 07/06/18 @ 1800

Page 1 of 1

YSI 556 MULTI PARAMETER METER - S/N 05G1942 AI (ITS #2) REV 5.40

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

Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE
	INITIAL	CCV			
4.005	<u>4.00</u>	<u>4.00</u>	<u>✓</u>	CC531385	Nov-19
7.000	<u>7.00</u>	<u>7.10</u>	<u>7.00</u>	CC528569	Nov-19
10.012	<u>10.02</u>	<u>10.10</u>	<u>✓</u>	CC537296	Dec-19

Standards are prepared by USA Blue Book. Liquid Temp: N/A

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

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	.22	.36	8GD346	Apr-19
fresh air @				
25.36 °C	8.26			
30.44 °C		7.54		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by USA Blue Book.

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

STANDARD (mV)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
200	NM	NM	8GA387	Oct-18
400	NM	NM	8GA1064	Jan-19

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

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

STANDARD (ntu)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
1000	NM	NM	See Below	May-20
100	100	100	See Below	May-20
10	10	10.01	See Below	May-20
0.02	102	102	See Below	May-20

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 80516

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	5.24		NA	05/04/18
HIGH 29.10		29.09		05/04/18

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

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

STANDARD μ_{mhos}	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
8,974	NM	NM	8GC218	Mar-19
2,764	2,764	2,770	8GA092	Jan-19
447	NM	NM	No Stock	No Stock
84	85	89	7GJ538	Oct-18

Standards prepared by USA Blue Book. All standards are potassium chloride solutions.

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

Remarks:

Weather Conditions: Sunny Hot 85-90° F
Equipment Blank with D.I. water
Zephyrhills brand Lot #042318113WF2330823
Exp Date 10/31/19
Equipment Blank Data - Collected @ none collected
pH = 7 Cond = 1
Temp = 7 D.O. = 1
Turbidity = 1

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification Form Rev 5.40 on 06/11/18: Update for NTU 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: Chris Monaco or Karen LeBeau

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM:	MW-1	WACS_WELL:	18811
		DATE:	7-6-18

[illegible][illegible]

REMARKS: Slowed pump to sample

DTW = 29.60 Reference Elevation = 74.66 GWTE = 45.06 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)

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

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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-5		WACS_WELL: 22912	DATE: 7-6-18

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 42.93	PURGE PUMP TYPE OR BAILER: ESP
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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):	44.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	44.00	PURGING INITIATED AT:	0928	PURGING ENDED AT:	0193	TOTAL VOLUME PURGED (gallons):	6.75
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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)

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0943		SAMPLING ENDED AT: 0948	
PUMP OR TUBING DEPTH IN WELL (feet): 44.00			TUBING MATERIAL CODE: HDPE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N			TUBING Y ☒ (replaced)			DUPLICATE: Y ☒			

REMARKS: *Slowel prompt sampler*

DTW = 42.93 Reference Elevation = 88.01 GWTE = 45.08 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)

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

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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-6	WACS_WELL: 22913		DATE: 7-6-18

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 32.87	PURGE PUMP TYPE OR BAILER: ESP
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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	

[illegible]

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0912		SAMPLING ENDED AT: 0917	
PUMP OR TUBING DEPTH IN WELL (feet): 34.00		TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y ☒		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N		TUBING Y ☒ (replaced)		DUPLICATE: Y ☒			

[illegible]

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)

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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-7		WACS_WELL: 22914	DATE: 7-6-18

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 41 feet to 51 feet	STATIC DEPTH TO WATER (feet): 43.50	PURGE PUMP TYPE OR BAILER: ESP
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(only fill out if applicable)

= (53.80 feet - 43.50 feet) X 16 gallons/foot = 1.65 gallons

(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	47.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	47.00	PURGING INITIATED AT:	1032	PURGING ENDED AT:	1045	TOTAL VOLUME PURGED (gallons):	3.90
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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)

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1045		SAMPLING ENDED AT: 1050	
PUMP OR TUBING DEPTH IN WELL (feet): 47.00			TUBING MATERIAL CODE: HDPE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N			TUBING Y ☒ N (replaced)			DUPLICATE: Y ☒ N			

REMARKS:

DTW = 43.50 Reference Elevation = 88.67 GWTE = 45.17 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;
RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-8		WACS_WELL: 22915	DATE: 7-6-18

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 26.21	PURGE PUMP TYPE OR BAILER: ESP
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(only fill out if applicable)

$$= (34.24 \text{ feet} - 26.21 \text{ feet}) \times .16 \text{ gallons/foot} = 1.28 \text{ gallons}$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 27.10	PURGING INITIATED AT: 1836	PURGING ENDED AT: 0839	TOTAL VOLUME PURGED (gallons): 240
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[illegible]

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)

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0839	SAMPLING ENDED AT: 0844
PUMP OR TUBING DEPTH IN WELL (feet): 27.00	TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y ☒	FILTER SIZE: _____ µm	
FIELD DECONTAMINATION:	PUMP ☒	N	TUBING Y ☒ (replaced)	DUPLICATE: Y ☒	

[illegible]

REMARKS: floating white particles observed in purge water and orange

DTW = 26.21 Reference Elevation = 71.17 GWTE = 44.96 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:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-9		WACS_WELL: 22916	DATE: 7-6-18

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 23.85	PURGE PUMP TYPE OR BAILER: ESP
------------------------------	-----------------------------------	---	--	-----------------------------------

(only fill out if applicable)

$$= (32.80 \text{ feet} - 23.85 \text{ feet}) \times .16 \text{ gallons/foot} = 1.43 \text{ gallons}$$

(only fill out if applicable)

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.50	PURGING INITIATED AT: 0801	PURGING ENDED AT: 0810	TOTAL VOLUME PURGED (gallons): 4.50
---	---	-------------------------------	---------------------------	--

[illegible]

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)

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0810		SAMPLING ENDED AT: 0815	
PUMP OR TUBING DEPTH IN WELL (feet): 26.50		TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N		TUBING Y ☒ (replaced)		DUPLICATE: Y ☒			

[illegible]

REMARKS:

DTW = 23.95 Reference Elevation = 68.64 GWTE = 44.79 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)

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

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



ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Page 1 of 1

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		Reporting Contact Nick Giumarelli	
Fax (352) 622-4998		Billing Contact Nick Giumarelli	
Sampler(s) Name, Affiliation (Print) Chris Monaco, ENCO		Site Location / Time Zone FL EST	
Sampler(s) Signature <i>Chris Monaco</i>			

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)					Sample Comments
							8260B Arom/Halo	Al,As,Cd,Cr,Fe,Na,Hg,Pb	Ammonia 350.1	Chloride 300 Nitrate as N 300 Sulfate 300 TDS SM 254DC	TDS SM 254DC	
	MW-2-9	7/6/18	0815	Grab	GW	6	H	N	S	I		
	MW-8		0844	Grab	GW	6	H	N	S	I		
	MW-6		0917	Grab	GW	6	H	N	S	I		
	MW-5		0948	Grab	GW	6	H	N	S	I		
	MW-1		1020	Grab	GW	6	H	N	S	I		
	MW-7	7/6/18	1050	Grab	GW	6	H	N	S	I		
	Trip Blank	-	-	Grab	O	2	H	N	S	I		O=Lab DI water

Sample Kit Prepared By ELC	Date/Time 6/12/18 14:40	Relinquished By <i>Chris Monaco</i>	Date/Time 6/12/18 14:40	Received By <i>Chris Monaco</i>	Date/Time 6-13-18 1450
Comments/Special Reporting Requirements		Relinquished By <i>Chris Monaco</i>	Date/Time 6/13/18 1110	Received By	Date/Time
		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: 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

Friday, July 13, 2018

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): AB04299

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, July 6, 2018.

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

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

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

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

Sincerely,

Carlene S. Pasipanki

Carlene S Pasipanki

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-9		Lab ID: AB04299-01		Sampled: 07/06/18 08:15		Received: 07/06/18 14:15	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	07/08/18	08:15	07/06/18	15:45	07/06/18	19:46
EPA 300.0	NA	08/03/18		07/06/18	15:45	07/06/18	19:46
EPA 350.1	NO PREP	08/03/18		07/11/18	10:04	07/11/18	11:23
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:11
EPA 7470A	EPA 7470A	08/03/18		07/10/18	13:11	07/11/18	08:08
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	15:44
Field	NO PREP	07/06/18	08:29	07/06/18	08:15	07/06/18	08:15
Field	NO PREP	07/07/18	08:15	07/07/18	08:15	07/06/18	08:15
Field	NO PREP	07/08/18	08:15	07/06/18	08:15	07/06/18	08:15
SM 2540C-1997	NO PREP	07/13/18		07/10/18	16:42	07/11/18	23:05
Client ID: MW-8		Lab ID: AB04299-02		Sampled: 07/06/18 08:44		Received: 07/06/18 14:15	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	07/08/18	08:44	07/06/18	15:45	07/06/18	20:01
EPA 300.0	NA	08/03/18		07/06/18	15:45	07/06/18	20:01
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	10:16
EPA 7470A	EPA 7470A	08/03/18		07/10/18	13:11	07/11/18	08:11
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	16:13
Field	NO PREP	07/06/18	08:58	07/06/18	08:44	07/06/18	08:44
Field	NO PREP	07/07/18	08:44	07/07/18	08:44	07/06/18	08:44
Field	NO PREP	07/08/18	08:44	07/06/18	08:44	07/06/18	08:44
SM 2540C-1997	NO PREP	07/13/18		07/10/18	16:42	07/11/18	23:05
Client ID: MW-8		Lab ID: AB04299-02RE1		Sampled: 07/06/18 08:44		Received: 07/06/18 14:15	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	10:35
Client ID: MW-8		Lab ID: AB04299-02RE2		Sampled: 07/06/18 08:44		Received: 07/06/18 14:15	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 350.1	NO PREP	08/03/18		07/11/18	10:04	07/11/18	11:52
Client ID: MW-6		Lab ID: AB04299-03		Sampled: 07/06/18 09:17		Received: 07/06/18 14:15	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	07/08/18	09:17	07/06/18	15:45	07/06/18	20:16
EPA 300.0	NA	08/03/18		07/06/18	15:45	07/06/18	20:16
EPA 350.1	NO PREP	08/03/18		07/11/18	10:04	07/11/18	11:20
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:14
EPA 7470A	EPA 7470A	08/03/18		07/10/18	13:11	07/11/18	08:14
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	16:42
Field	NO PREP	07/06/18	09:31	07/06/18	09:17	07/06/18	09:17
Field	NO PREP	07/07/18	09:17	07/07/18	09:17	07/06/18	09:17
Field	NO PREP	07/08/18	09:17	07/06/18	09:17	07/06/18	09:17
SM 2540C-1997	NO PREP	07/13/18		07/10/18	16:42	07/11/18	23:05
Client ID: MW-6		Lab ID: AB04299-03RE1		Sampled: 07/06/18 09:17		Received: 07/06/18 14:15	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	08/03/18		07/07/18	11:00	07/07/18	11:37

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-5		Lab ID: AB04299-04		Sampled: 07/06/18 09:48		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	NA	07/08/18	09:48	07/06/18	15:45	07/06/18	20:31
EPA 300.0	NA	08/03/18		07/06/18	15:45	07/06/18	20:31
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:18
EPA 7470A	EPA 7470A	08/03/18		07/10/18	13:11	07/11/18	08:29
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	17:12
Field	NO PREP	07/06/18	10:02	07/06/18	09:48	07/06/18	09:48
Field	NO PREP	07/07/18	09:48	07/07/18	09:48	07/06/18	09:48
Field	NO PREP	07/08/18	09:48	07/06/18	09:48	07/06/18	09:48
SM 2540C-1997	NO PREP	07/13/18		07/10/18	16:42	07/11/18	23:05
Client ID: MW-5		Lab ID: AB04299-04RE1		Sampled: 07/06/18 09:48		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 350.1	NO PREP	08/03/18		07/11/18	10:04	07/11/18	11:53
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:52
Client ID: MW-1		Lab ID: AB04299-05		Sampled: 07/06/18 10:20		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	NA	07/08/18	10:20	07/06/18	15:45	07/06/18	20:46
EPA 300.0	NA	08/03/18		07/06/18	15:45	07/06/18	20:46
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:22
EPA 7470A	EPA 7470A	08/03/18		07/10/18	13:11	07/11/18	08:32
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	17:41
Field	NO PREP	07/06/18	10:34	07/06/18	10:20	07/06/18	10:20
Field	NO PREP	07/07/18	10:20	07/07/18	10:20	07/06/18	10:20
Field	NO PREP	07/08/18	10:20	07/06/18	10:20	07/06/18	10:20
SM 2540C-1997	NO PREP	07/13/18		07/10/18	16:42	07/11/18	23:05
Client ID: MW-1		Lab ID: AB04299-05RE1		Sampled: 07/06/18 10:20		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	NA	08/03/18		07/07/18	11:00	07/07/18	11:52
EPA 350.1	NO PREP	08/03/18		07/11/18	10:04	07/11/18	11:54
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:55
Client ID: MW-7		Lab ID: AB04299-06		Sampled: 07/06/18 10:50		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	NA	07/08/18	10:50	07/06/18	15:45	07/06/18	21:02
EPA 300.0	NA	08/03/18		07/06/18	15:45	07/06/18	21:02
EPA 350.1	NO PREP	08/03/18		07/11/18	10:04	07/11/18	11:30
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	11:26
EPA 7470A	EPA 7470A	08/03/18		07/10/18	13:11	07/11/18	08:36
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	18:10
Field	NO PREP	07/06/18	11:04	07/06/18	10:50	07/06/18	10:50
Field	NO PREP	07/07/18	10:50	07/07/18	10:50	07/06/18	10:50
Field	NO PREP	07/08/18	10:50	07/06/18	10:50	07/06/18	10:50
SM 2540C-1997	NO PREP	07/13/18		07/10/18	16:42	07/11/18	23:05
Client ID: MW-7		Lab ID: AB04299-06RE1		Sampled: 07/06/18 10:50		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	NA	08/03/18		07/07/18	11:00	07/07/18	12:07
EPA 6020A	EPA 3005A	01/02/19		07/10/18	09:39	07/11/18	12:55
Client ID: TRIP BLANK		Lab ID: AB04299-07		Sampled: 07/06/18 00:00		Received: 07/06/18 14:15	
<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 8260B	EPA 5030B_MS	07/20/18		07/09/18	00:00	07/09/18	18:39

SAMPLE DETECTION SUMMARY

Client ID: MW-9		Lab ID: AB04299-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.0077	I	0.0073	0.020	mg/L	EPA 350.1	QM-07
Chloride	22		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	23.85				Ft	Field	
Dissolved Oxygen	0.77		0	0	mg/L	Field	
Iron - Total	73.3		38.0	50.0	ug/L	EPA 6020A	
Nitrate as N	0.14	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.67				pH Units	Field	
Sodium - Total	13.2		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	952		0	0	umhos/cm	Field	
Sulfate	78		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.06		0	0	°C	Field	
Total Dissolved Solids	570		10	10	mg/L	SM 2540C-1997	
Turbidity	4.4		0	0	NTU	Field	
Water Elevation	44.79				Ft	Field	
Client ID: MW-8		Lab ID: AB04299-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	45		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	26.21				Ft	Field	
Dissolved Oxygen	0.74		0	0	mg/L	Field	
o-Xylene	0.58	I	0.53	1.0	ug/L	EPA 8260B	
pH	6.49				pH Units	Field	
Sodium - Total	50.7		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1415		0	0	umhos/cm	Field	
Sulfate	0.79	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.45		0	0	°C	Field	
Total Dissolved Solids	750		10	10	mg/L	SM 2540C-1997	
Turbidity	1.6		0	0	NTU	Field	
Water Elevation	44.96				Ft	Field	
Client ID: MW-8		Lab ID: AB04299-02RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	28300		380	500	ug/L	EPA 6020A	
Client ID: MW-8		Lab ID: AB04299-02RE2					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	12		0.073	0.20	mg/L	EPA 350.1	
Client ID: MW-6		Lab ID: AB04299-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.052		0.0073	0.020	mg/L	EPA 350.1	
Chloride	4.3	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	32.87				Ft	Field	
Dissolved Oxygen	0.56		0	0	mg/L	Field	
Iron - Total	4750		38.0	50.0	ug/L	EPA 6020A	
Mercury - Total	0.0631	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.54				pH Units	Field	
Sodium - Total	8.29		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1160		0	0	umhos/cm	Field	
Temperature	23.94		0	0	°C	Field	
Total Dissolved Solids	750		10	10	mg/L	SM 2540C-1997	
Turbidity	1.5		0	0	NTU	Field	
Water Elevation	45.18				Ft	Field	
Client ID: MW-6		Lab ID: AB04299-03RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	150		0.13	10	mg/L	EPA 300.0	

SAMPLE DETECTION SUMMARY

Client ID: MW-5		Lab ID: AB04299-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	32		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	42.93				Ft	Field	
Dissolved Oxygen	0.32		0	0	mg/L	Field	
pH	6.55				pH Units	Field	
Sodium - Total	38.4		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1587		0	0	umhos/cm	Field	
Sulfate	56		0.07	5.0	mg/L	EPA 300.0	
Temperature	30.41		0	0	°C	Field	
Total Dissolved Solids	880		10	10	mg/L	SM 2540C-1997	
Turbidity	1.4		0	0	NTU	Field	
Water Elevation	45.08				Ft	Field	
Client ID: MW-5		Lab ID: AB04299-04RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	6.4		0.036	0.10	mg/L	EPA 350.1	
Iron - Total	12000		380	500	ug/L	EPA 6020A	
Client ID: MW-1		Lab ID: AB04299-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	7.43	I	6.10	10.0	ug/L	EPA 6020A	
Chloride	15		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	29.6				Ft	Field	
Dissolved Oxygen	0.4		0	0	mg/L	Field	
pH	6.7				pH Units	Field	
Sodium - Total	43.4		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	2265		0	0	umhos/cm	Field	
Temperature	25.01		0	0	°C	Field	
Total Dissolved Solids	1700		10	10	mg/L	SM 2540C-1997	
Turbidity	1.3		0	0	NTU	Field	
Water Elevation	45.06				Ft	Field	
Client ID: MW-1		Lab ID: AB04299-05RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	3.7		0.015	0.040	mg/L	EPA 350.1	
Iron - Total	16500		380	500	ug/L	EPA 6020A	
Sulfate	700		0.66	50	mg/L	EPA 300.0	
Client ID: MW-7		Lab ID: AB04299-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	74.9	I	68.0	100	ug/L	EPA 6020A	
Ammonia as N	0.32		0.0073	0.020	mg/L	EPA 350.1	
Arsenic - Total	11.9		6.10	10.0	ug/L	EPA 6020A	
Chloride	27		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	43.5				Ft	Field	
Dissolved Oxygen	0.35		0	0	mg/L	Field	
Mercury - Total	0.117	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	0.094	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.39				pH Units	Field	
Sodium - Total	35.0		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1493		0	0	umhos/cm	Field	
Temperature	24.99		0	0	°C	Field	
Total Dissolved Solids	980		10	10	mg/L	SM 2540C-1997	
Turbidity	7.5		0	0	NTU	Field	
Water Elevation	45.17				Ft	Field	
Client ID: MW-7		Lab ID: AB04299-06RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	61500		760	1000	ug/L	EPA 6020A	
Sulfate	310		0.33	25	mg/L	EPA 300.0	

ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: AB04299-01

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 08:15

Work Order: AB04299

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	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 15:44	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	47	1	50.0	94 %	41-142	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Dibromofluoromethane	55	1	50.0	110 %	53-146	8G09017	EPA 8260B	07/09/18 15:44	MJH	
Toluene-d8	51	1	50.0	102 %	41-146	8G09017	EPA 8260B	07/09/18 15:44	MJH	

ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: AB04299-01

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 08:15

Work Order: AB04299

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	8G10024	EPA 7470A	07/11/18 08:08	CRG	

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	8G09042	EPA 6020A	07/11/18 11:11	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	8G09042	EPA 6020A	07/11/18 11:11	JMA	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	8G09042	EPA 6020A	07/11/18 11:11	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	8G09042	EPA 6020A	07/11/18 11:11	JMA	
Iron [7439-89-6]^	73.3		ug/L	1	38.0	50.0	8G09042	EPA 6020A	07/11/18 11:11	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	8G09042	EPA 6020A	07/11/18 11:11	JMA	
Sodium [7440-23-5]^	13.2		mg/L	1	0.320	1.00	8G09042	EPA 6020A	07/11/18 11:11	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0077	I	mg/L	1	0.0073	0.020	8G11018	EPA 350.1	07/11/18 11:23	KGonz	QM-07
Chloride [16887-00-6]^	22		mg/L	1	0.29	5.0	8G06014	EPA 300.0	07/06/18 19:46	RSA	
Nitrate as N [14797-55-8]^	0.14	I	mg/L	1	0.052	1.0	8G06014	EPA 300.0	07/06/18 19:46	RSA	
Sulfate [14808-79-8]^	78		mg/L	1	0.07	5.0	8G06014	EPA 300.0	07/06/18 19:46	RSA	
Total Dissolved Solids^	570		mg/L	1	10	10	8G10036	SM 2540C-1997	07/11/18 23:05	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	23.85		Ft	1			8G12024	Field	07/06/18 08:15	CSP	
Dissolved Oxygen	0.77		mg/L	1	0	0	8G12024	Field	07/06/18 08:15	CSP	
pH	6.67		pH Units	1			8G12024	Field	07/06/18 08:15	CSP	
Specific Conductance (EC)	952		umhos/cm	1	0	0	8G12024	Field	07/06/18 08:15	CSP	
Temperature	23.06		°C	1	0	0	8G12024	Field	07/06/18 08:15	CSP	
Turbidity	4.4		NTU	1	0	0	8G12024	Field	07/06/18 08:15	CSP	
Water Elevation	44.79		Ft	1			8G12024	Field	07/06/18 08:15	CSP	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: AB04299-02

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 08:44

Work Order: AB04299

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	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
o-Xylene [95-47-6]^	0.58	I	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 16:13	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	101 %	41-142	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Dibromofluoromethane	57	1	50.0	113 %	53-146	8G09017	EPA 8260B	07/09/18 16:13	MJH	
Toluene-d8	48	1	50.0	96 %	41-146	8G09017	EPA 8260B	07/09/18 16:13	MJH	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: AB04299-02

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 08:44

Work Order: AB04299

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	8G10024	EPA 7470A	07/11/18 08:11	CRG	

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	8G09042	EPA 6020A	07/11/18 10:16	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	8G09042	EPA 6020A	07/11/18 10:16	JMA	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	8G09042	EPA 6020A	07/11/18 10:16	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	8G09042	EPA 6020A	07/11/18 10:16	JMA	
Iron [7439-89-6]^	28300		ug/L	10	380	500	8G09042	EPA 6020A	07/11/18 10:35	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	8G09042	EPA 6020A	07/11/18 10:16	JMA	
Sodium [7440-23-5]^	50.7		mg/L	1	0.320	1.00	8G09042	EPA 6020A	07/11/18 10:16	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	12		mg/L	10	0.073	0.20	8G11018	EPA 350.1	07/11/18 11:52	KGonz	
Chloride [16887-00-6]^	45		mg/L	1	0.29	5.0	8G06014	EPA 300.0	07/06/18 20:01	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	8G06014	EPA 300.0	07/06/18 20:01	RSA	
Sulfate [14808-79-8]^	0.79	I	mg/L	1	0.07	5.0	8G06014	EPA 300.0	07/06/18 20:01	RSA	
Total Dissolved Solids^	750		mg/L	1	10	10	8G10036	SM 2540C-1997	07/11/18 23:05	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	26.21		Ft	1			8G12024	Field	07/06/18 08:44	CSP	
Dissolved Oxygen	0.74		mg/L	1	0	0	8G12024	Field	07/06/18 08:44	CSP	
pH	6.49		pH Units	1			8G12024	Field	07/06/18 08:44	CSP	
Specific Conductance (EC)	1415		umhos/cm	1	0	0	8G12024	Field	07/06/18 08:44	CSP	
Temperature	24.45		°C	1	0	0	8G12024	Field	07/06/18 08:44	CSP	
Turbidity	1.6		NTU	1	0	0	8G12024	Field	07/06/18 08:44	CSP	
Water Elevation	44.96		Ft	1			8G12024	Field	07/06/18 08:44	CSP	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: AB04299-03

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 09:17

Work Order: AB04299

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	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 16:42	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	97 %	41-142	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Dibromofluoromethane	53	1	50.0	106 %	53-146	8G09017	EPA 8260B	07/09/18 16:42	MJH	
Toluene-d8	50	1	50.0	100 %	41-146	8G09017	EPA 8260B	07/09/18 16:42	MJH	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: AB04299-03

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 09:17

Work Order: AB04299

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]^	0.0631	I	ug/L	1	0.0230	0.200	8G10024	EPA 7470A	07/11/18 08:14	CRG	

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	8G09042	EPA 6020A	07/11/18 11:14	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	8G09042	EPA 6020A	07/11/18 11:14	JMA	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	8G09042	EPA 6020A	07/11/18 11:14	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	8G09042	EPA 6020A	07/11/18 11:14	JMA	
Iron [7439-89-6]^	4750		ug/L	1	38.0	50.0	8G09042	EPA 6020A	07/11/18 11:14	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	8G09042	EPA 6020A	07/11/18 11:14	JMA	
Sodium [7440-23-5]^	8.29		mg/L	1	0.320	1.00	8G09042	EPA 6020A	07/11/18 11:14	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.052		mg/L	1	0.0073	0.020	8G11018	EPA 350.1	07/11/18 11:20	KGonz	
Chloride [16887-00-6]^	4.3	I	mg/L	1	0.29	5.0	8G06014	EPA 300.0	07/06/18 20:16	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	8G06014	EPA 300.0	07/06/18 20:16	RSA	
Sulfate [14808-79-8]^	150		mg/L	2	0.13	10	8G06015	EPA 300.0	07/07/18 11:37	RSA	
Total Dissolved Solids^	750		mg/L	1	10	10	8G10036	SM 2540C-1997	07/11/18 23:05	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	32.87		Ft	1			8G12024	Field	07/06/18 09:17	CSP	
Dissolved Oxygen	0.56		mg/L	1	0	0	8G12024	Field	07/06/18 09:17	CSP	
pH	6.54		pH Units	1			8G12024	Field	07/06/18 09:17	CSP	
Specific Conductance (EC)	1160		umhos/cm	1	0	0	8G12024	Field	07/06/18 09:17	CSP	
Temperature	23.94		°C	1	0	0	8G12024	Field	07/06/18 09:17	CSP	
Turbidity	1.5		NTU	1	0	0	8G12024	Field	07/06/18 09:17	CSP	
Water Elevation	45.18		Ft	1			8G12024	Field	07/06/18 09:17	CSP	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: AB04299-04

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 09:48

Work Order: AB04299

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	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 17:12	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	98 %	41-142	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Dibromofluoromethane	56	1	50.0	112 %	53-146	8G09017	EPA 8260B	07/09/18 17:12	MJH	
Toluene-d8	50	1	50.0	99 %	41-146	8G09017	EPA 8260B	07/09/18 17:12	MJH	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: AB04299-04

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 09:48

Work Order: AB04299

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	8G10024	EPA 7470A	07/11/18 08:29	CRG	

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	8G09042	EPA 6020A	07/11/18 11:18	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	8G09042	EPA 6020A	07/11/18 11:18	JMA	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	8G09042	EPA 6020A	07/11/18 11:18	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	8G09042	EPA 6020A	07/11/18 11:18	JMA	
Iron [7439-89-6]^	12000		ug/L	10	380	500	8G09042	EPA 6020A	07/11/18 11:52	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	8G09042	EPA 6020A	07/11/18 11:18	JMA	
Sodium [7440-23-5]^	38.4		mg/L	1	0.320	1.00	8G09042	EPA 6020A	07/11/18 11:18	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	6.4		mg/L	5	0.036	0.10	8G11018	EPA 350.1	07/11/18 11:53	KGonz	
Chloride [16887-00-6]^	32		mg/L	1	0.29	5.0	8G06014	EPA 300.0	07/06/18 20:31	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	8G06014	EPA 300.0	07/06/18 20:31	RSA	
Sulfate [14808-79-8]^	56		mg/L	1	0.07	5.0	8G06014	EPA 300.0	07/06/18 20:31	RSA	
Total Dissolved Solids^	880		mg/L	1	10	10	8G10036	SM 2540C-1997	07/11/18 23:05	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	42.93		Ft	1			8G12024	Field	07/06/18 09:48	CSP	
Dissolved Oxygen	0.32		mg/L	1	0	0	8G12024	Field	07/06/18 09:48	CSP	
pH	6.55		pH Units	1			8G12024	Field	07/06/18 09:48	CSP	
Specific Conductance (EC)	1587		umhos/cm	1	0	0	8G12024	Field	07/06/18 09:48	CSP	
Temperature	30.41		°C	1	0	0	8G12024	Field	07/06/18 09:48	CSP	
Turbidity	1.4		NTU	1	0	0	8G12024	Field	07/06/18 09:48	CSP	
Water Elevation	45.08		Ft	1			8G12024	Field	07/06/18 09:48	CSP	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: AB04299-05

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 10:20

Work Order: AB04299

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	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 17:41	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	100 %	41-142	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Dibromofluoromethane	54	1	50.0	109 %	53-146	8G09017	EPA 8260B	07/09/18 17:41	MJH	
Toluene-d8	50	1	50.0	100 %	41-146	8G09017	EPA 8260B	07/09/18 17:41	MJH	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: AB04299-05

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 10:20

Work Order: AB04299

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	8G10024	EPA 7470A	07/11/18 08:32	CRG	

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	8G09042	EPA 6020A	07/11/18 11:22	JMA	
Arsenic [7440-38-2]^	7.43	I	ug/L	1	6.10	10.0	8G09042	EPA 6020A	07/11/18 11:22	JMA	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	8G09042	EPA 6020A	07/11/18 11:22	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	8G09042	EPA 6020A	07/11/18 11:22	JMA	
Iron [7439-89-6]^	16500		ug/L	10	380	500	8G09042	EPA 6020A	07/11/18 11:55	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	8G09042	EPA 6020A	07/11/18 11:22	JMA	
Sodium [7440-23-5]^	43.4		mg/L	1	0.320	1.00	8G09042	EPA 6020A	07/11/18 11:22	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	3.7		mg/L	2	0.015	0.040	8G11018	EPA 350.1	07/11/18 11:54	KGonz	
Chloride [16887-00-6]^	15		mg/L	1	0.29	5.0	8G06014	EPA 300.0	07/06/18 20:46	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	8G06014	EPA 300.0	07/06/18 20:46	RSA	
Sulfate [14808-79-8]^	700		mg/L	10	0.66	50	8G06015	EPA 300.0	07/07/18 11:52	RSA	
Total Dissolved Solids^	1700		mg/L	1	10	10	8G10036	SM 2540C-1997	07/11/18 23:05	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	29.6		Ft	1			8G12024	Field	07/06/18 10:20	CSP	
Dissolved Oxygen	0.4		mg/L	1	0	0	8G12024	Field	07/06/18 10:20	CSP	
pH	6.7		pH Units	1			8G12024	Field	07/06/18 10:20	CSP	
Specific Conductance (EC)	2265		umhos/cm	1	0	0	8G12024	Field	07/06/18 10:20	CSP	
Temperature	25.01		°C	1	0	0	8G12024	Field	07/06/18 10:20	CSP	
Turbidity	1.3		NTU	1	0	0	8G12024	Field	07/06/18 10:20	CSP	
Water Elevation	45.06		Ft	1			8G12024	Field	07/06/18 10:20	CSP	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AB04299-06

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 10:50

Work Order: AB04299

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	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 18:10	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	81 %	41-142	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Dibromofluoromethane	46	1	50.0	92 %	53-146	8G09017	EPA 8260B	07/09/18 18:10	MJH	
Toluene-d8	42	1	50.0	85 %	41-146	8G09017	EPA 8260B	07/09/18 18:10	MJH	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AB04299-06

Received: 07/06/18 14:15

Matrix: Ground Water

Sampled: 07/06/18 10:50

Work Order: AB04299

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]^	0.117	I	ug/L	1	0.0230	0.200	8G10024	EPA 7470A	07/11/18 08:36	CRG	

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]^	74.9	I	ug/L	1	68.0	100	8G09042	EPA 6020A	07/11/18 11:26	JMA	
Arsenic [7440-38-2]^	11.9		ug/L	1	6.10	10.0	8G09042	EPA 6020A	07/11/18 11:26	JMA	
Cadmium [7440-43-9]^	0.900	U	ug/L	1	0.900	3.00	8G09042	EPA 6020A	07/11/18 11:26	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	8G09042	EPA 6020A	07/11/18 11:26	JMA	
Iron [7439-89-6]^	61500		ug/L	20	760	1000	8G09042	EPA 6020A	07/11/18 12:55	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	8G09042	EPA 6020A	07/11/18 11:26	JMA	
Sodium [7440-23-5]^	35.0		mg/L	1	0.320	1.00	8G09042	EPA 6020A	07/11/18 11:26	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.32		mg/L	1	0.0073	0.020	8G11018	EPA 350.1	07/11/18 11:30	KGonz	
Chloride [16887-00-6]^	27		mg/L	1	0.29	5.0	8G06014	EPA 300.0	07/06/18 21:02	RSA	
Nitrate as N [14797-55-8]^	0.094	I	mg/L	1	0.052	1.0	8G06014	EPA 300.0	07/06/18 21:02	RSA	
Sulfate [14808-79-8]^	310		mg/L	5	0.33	25	8G06015	EPA 300.0	07/07/18 12:07	RSA	
Total Dissolved Solids^	980		mg/L	1	10	10	8G10036	SM 2540C-1997	07/11/18 23:05	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	43.5		Ft	1			8G12024	Field	07/06/18 10:50	CSP	
Dissolved Oxygen	0.35		mg/L	1	0	0	8G12024	Field	07/06/18 10:50	CSP	
pH	6.39		pH Units	1			8G12024	Field	07/06/18 10:50	CSP	
Specific Conductance (EC)	1493		umhos/cm	1	0	0	8G12024	Field	07/06/18 10:50	CSP	
Temperature	24.99		°C	1	0	0	8G12024	Field	07/06/18 10:50	CSP	
Turbidity	7.5		NTU	1	0	0	8G12024	Field	07/06/18 10:50	CSP	
Water Elevation	45.17		Ft	1			8G12024	Field	07/06/18 10:50	CSP	

ANALYTICAL RESULTS

Description: TRIP BLANK

Lab Sample ID: AB04299-07

Received: 07/06/18 14:15

Matrix: Water

Sampled: 07/06/18 00:00

Work Order: AB04299

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	QL-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	QL-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	8G09017	EPA 8260B	07/09/18 18:39	MJH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	52	1	50.0	104 %	41-142	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Dibromofluoromethane	54	1	50.0	108 %	53-146	8G09017	EPA 8260B	07/09/18 18:39	MJH	
Toluene-d8	49	1	50.0	98 %	41-146	8G09017	EPA 8260B	07/09/18 18:39	MJH	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 8G09017 - EPA 5030B_MS

Blank (8G09017-BLK1)

Prepared: 07/09/2018 00:00 Analyzed: 07/09/2018 11:47

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	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	50			ug/L	50.0		100	41-142			
Dibromofluoromethane	58			ug/L	50.0		115	53-146			
Toluene-d8	52			ug/L	50.0		104	41-146			

LCS (8G09017-BS1)

Prepared: 07/09/2018 00:00 Analyzed: 07/09/2018 09:21

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0		67	47-139			
Benzene	19		1.0	ug/L	20.0		96	56-136			
Chlorobenzene	18		1.0	ug/L	20.0		92	51-139			
Toluene	19		1.0	ug/L	20.0		93	64-131			
Trichloroethene	20		1.0	ug/L	20.0		98	62-135			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 8G09017 - EPA 5030B_MS - Continued

LCS (8G09017-BS1) Continued

Prepared: 07/09/2018 00:00 Analyzed: 07/09/2018 09:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	51			ug/L	50.0		102	41-142			
Dibromofluoromethane	57			ug/L	50.0		114	53-146			
Toluene-d8	50			ug/L	50.0		100	41-146			

Matrix Spike (8G09017-MS1)

Prepared: 07/09/2018 00:00 Analyzed: 07/09/2018 13:46

Source: AB04810-11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.94 U	135	47-139			
Benzene	25		1.0	ug/L	20.0	0.71 U	126	56-136			
Chlorobenzene	23		1.0	ug/L	20.0	0.72 U	113	51-139			
Toluene	24		1.0	ug/L	20.0	0.72 U	118	64-131			
Trichloroethene	25		1.0	ug/L	20.0	0.89 U	126	62-135			
4-Bromofluorobenzene	53			ug/L	50.0		105	41-142			
Dibromofluoromethane	57			ug/L	50.0		114	53-146			
Toluene-d8	50			ug/L	50.0		101	41-146			

Matrix Spike Dup (8G09017-MSD1)

Prepared: 07/09/2018 00:00 Analyzed: 07/09/2018 14:16

Source: AB04810-11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.94 U	127	47-139	7	16	
Benzene	24		1.0	ug/L	20.0	0.71 U	122	56-136	3	14	
Chlorobenzene	21		1.0	ug/L	20.0	0.72 U	107	51-139	5	13	
Toluene	24		1.0	ug/L	20.0	0.72 U	118	64-131	0.3	16	
Trichloroethene	25		1.0	ug/L	20.0	0.89 U	125	62-135	1	20	
4-Bromofluorobenzene	53			ug/L	50.0		105	41-142			
Dibromofluoromethane	56			ug/L	50.0		111	53-146			
Toluene-d8	53			ug/L	50.0		106	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G10024 - EPA 7470A

Blank (8G10024-BLK1)

Prepared: 07/10/2018 12:16 Analyzed: 07/11/2018 07:50

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 (8G10024-BLK2)

Prepared: 07/10/2018 12:16 Analyzed: 07/11/2018 07:53

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 (8G10024-BS1)

Prepared: 07/10/2018 12:16 Analyzed: 07/11/2018 07:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.16		0.200	ug/L	5.00		103	80-120			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G10024 - EPA 7470A - Continued

Matrix Spike (8G10024-MS1)

Prepared: 07/10/2018 12:16 Analyzed: 07/11/2018 08:02

Source: AB04774-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	49.5		2.00	ug/L	50.0	0.230 U	99	75-125			

Matrix Spike Dup (8G10024-MSD1)

Prepared: 07/10/2018 12:16 Analyzed: 07/11/2018 08:05

Source: AB04774-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	49.9		2.00	ug/L	50.0	0.230 U	100	75-125	0.8	20	

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

Batch 8G09042 - EPA 3005A

Blank (8G09042-BLK1)

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:05

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 (8G09042-BLK2)

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:08

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 (8G09042-BS1)

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:12

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	983		100	ug/L	1000		98	80-120			
Arsenic	484		10.0	ug/L	500		97	80-120			
Cadmium	46.3		3.00	ug/L	50.0		93	80-120			
Chromium	516		10.0	ug/L	500		103	80-120			
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	488		5.00	ug/L	500		98	80-120			
Sodium	25.1		1.00	mg/L	25.0		100	80-120			

Matrix Spike (8G09042-MS1)

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:19

Source: AB04299-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	996		100	ug/L	1000	68.0 U	100	75-125			

QUALITY CONTROL DATA

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

Batch 8G09042 - EPA 3005A - Continued

Matrix Spike (8G09042-MS1) Continued

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:19

Source: AB04299-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	474		10.0	ug/L	500	6.10 U	95	75-125			
Cadmium	46.5		3.00	ug/L	50.0	0.900 U	93	75-125			
Chromium	508		10.0	ug/L	500	4.50 U	102	75-125			
Iron	29100	L	50.0	ug/L	1000	29200	NR	75-125			QM-17
Lead	471		5.00	ug/L	500	1.60 U	94	75-125			
Sodium	75.0		1.00	mg/L	25.0	50.7	97	75-125			

Matrix Spike Dup (8G09042-MSD1)

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:23

Source: AB04299-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	945		100	ug/L	1000	68.0 U	95	75-125	5	20	
Arsenic	482		10.0	ug/L	500	6.10 U	96	75-125	2	20	
Cadmium	46.2		3.00	ug/L	50.0	0.900 U	92	75-125	0.7	20	
Chromium	505		10.0	ug/L	500	4.50 U	101	75-125	0.5	20	
Iron	29500	L	50.0	ug/L	1000	29200	31	75-125	2	20	QM-17
Lead	468		5.00	ug/L	500	1.60 U	94	75-125	0.5	20	
Sodium	74.4		1.00	mg/L	25.0	50.7	95	75-125	0.7	20	

Batch AA49643 - 8G09042

Serial Dilution (AA49643-SRD1)

Prepared: 07/10/2018 09:39 Analyzed: 07/11/2018 10:27

Source: AB04299-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	27900		5.00	ug/L		29200			5		

Classical Chemistry Parameters - Quality Control

Batch 8G06014 - NO PREP

Blank (8G06014-BLK1)

Prepared: 07/06/2018 11:00 Analyzed: 07/06/2018 11:31

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

LCS (8G06014-BS1)

Prepared: 07/06/2018 11:00 Analyzed: 07/06/2018 11:47

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49		5.0	mg/L	50.0		97	90-110			QM-10
Nitrate as N	25		1.0	mg/L	25.0		99	90-110			QM-10
Sulfate	52		5.0	mg/L	50.0		104	90-110			QM-10

LCS Dup (8G06014-BSD1)

Prepared: 07/06/2018 11:00 Analyzed: 07/06/2018 21:17

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49		5.0	mg/L	50.0		98	90-110	0.8	10	QM-10
Nitrate as N	25		1.0	mg/L	25.0		99	90-110	0.8	10	QM-10
Sulfate	53		5.0	mg/L	50.0		105	90-110	0.8	10	QM-10

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 8G06014 - NO PREP - Continued

Matrix Spike (8G06014-MS1)

Prepared: 07/06/2018 11:00 Analyzed: 07/06/2018 18:31

Source: AB04880-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	99		5.0	mg/L	50.0	56	87	90-110			QM-07
Nitrate as N	23		1.0	mg/L	25.0	0.45	90	90-110			
Sulfate	110	L	5.0	mg/L	50.0	66	88	90-110			E, QM-07

Matrix Spike Dup (8G06014-MSD1)

Prepared: 07/06/2018 11:00 Analyzed: 07/06/2018 18:46

Source: AB04880-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	50.0	56	87	90-110	0.1	10	QM-07
Nitrate as N	23		1.0	mg/L	25.0	0.45	90	90-110	0.05	10	
Sulfate	110	L	5.0	mg/L	50.0	66	89	90-110	0.3	10	E, QM-07

Batch 8G06015 - NO PREP

Blank (8G06015-BLK1)

Prepared: 07/06/2018 19:00 Analyzed: 07/07/2018 00:02

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

LCS (8G06015-BS1)

Prepared: 07/06/2018 19:00 Analyzed: 07/07/2018 00:17

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	53		5.0	mg/L	50.0		105	90-110			QM-10

LCS Dup (8G06015-BSD1)

Prepared: 07/06/2018 19:00 Analyzed: 07/07/2018 00:33

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	52		5.0	mg/L	50.0		105	90-110	0.3	10	QM-10

Batch 8G10036 - NO PREP

Blank (8G10036-BLK1)

Prepared: 07/10/2018 16:42 Analyzed: 07/11/2018 23:05

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

LCS (8G10036-BS1)

Prepared: 07/10/2018 16:42 Analyzed: 07/11/2018 23:05

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

Duplicate (8G10036-DUP1)

Prepared: 07/10/2018 16:42 Analyzed: 07/11/2018 23:05

Source: AB04299-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	580		10	mg/L		570			1	20	

Batch 8G11018 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 8G11018 - NO PREP - Continued

Blank (8G11018-BLK1)

Prepared: 07/11/2018 10:04 Analyzed: 07/11/2018 11:16

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

LCS (8G11018-BS1)

Prepared: 07/11/2018 10:04 Analyzed: 07/11/2018 11:17

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.94		0.020	mg/L	1.00		94	90-110			

Matrix Spike (8G11018-MS1)

Prepared: 07/11/2018 10:04 Analyzed: 07/11/2018 11:25

Source: AB04299-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.81		0.020	mg/L	1.00	0.0077	80	90-110			QM-07

Matrix Spike (8G11018-MS2)

Prepared: 07/11/2018 10:04 Analyzed: 07/11/2018 11:33

Source: AB04611-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.84		0.020	mg/L	1.00	0.0073 U	84	90-110			QM-07

Matrix Spike Dup (8G11018-MSD1)

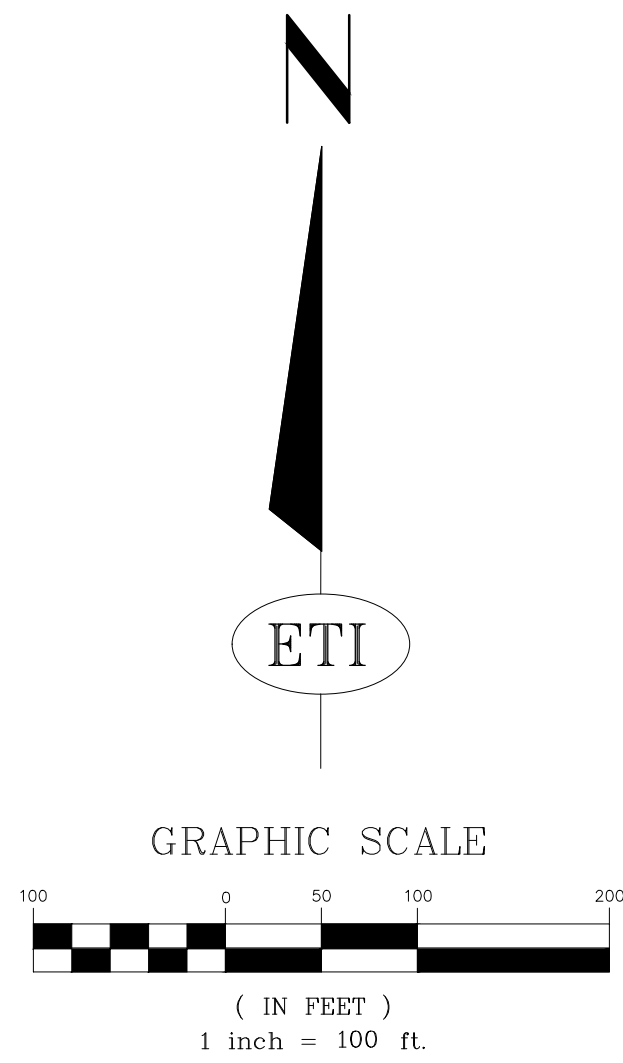
Prepared: 07/11/2018 10:04 Analyzed: 07/11/2018 11:26

Source: AB04299-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.82		0.020	mg/L	1.00	0.0077	81	90-110	1	10	QM-07

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
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-10	LCS/LCSD were analyzed in place of MS/MSD.
QM-17	Matrix spike recovery was outside acceptance limits due to high concentrations of analyte in source sample.



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.

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

		ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS		FRIENDS RECYCLING, LLC. MARION COUNTY, FLORIDA		GROUNDWATER CONTOURS		PLOTTED: RMC-3 N/A DRAIN: RMC-3 N/A DESIGNED: RMC-3 N/A CHECKED: RMC-3 N/A SCALE: 1" = 100'		REVISIONS Groundwater contours revised 7-15-18	
SITE PLAN		15280 SE HWY 42, PO BOX 152 WERSDALE, FLORIDA 32195		PHONE: (352) 694-1799 EMAIL: ENVIROTECH@YMAIL.COM		P.N. 2009-		Sht. 1 of 1			