SEMI-ANNUAL MONITORING REPORT

SECOND HALF 2019

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

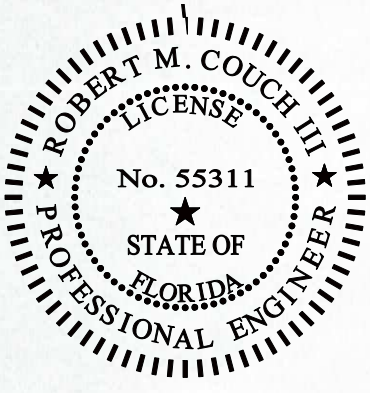
PREPARED FOR:

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

August 19, 2019



Robert M. Couch III, P.E.

Digitally signed by Robert M. Couch III, P.E.
DN: cn=Robert M. Couch III, P.E., o=ENVIRO-TECH, Inc., ou=Reg. No. 55311, email=envirotech@ymail.com, c=US
Date: 2019.08.20 10:27:43 -04'00'

August 19, 2019

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the Second Half of 2019
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 2019 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 31, 2019, (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 31, 2019 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	3.4	2.8	ug/L	EPA 350.1
Iron - Total	10800	300	ug/L	EPA 6020A
Sulfate	460	250	mg/L	EPA 300.0
Total Dissolved Solids	1200	500	mg/L	SM 2540C-1997

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	8.6	2.8	ug/L	EPA 350.1
Iron - Total	11500	300	ug/L	EPA 6020A
Total Dissolved Solids	850	500	mg/L	SM 2540C-1997

MW-6

Analyte	Results	Groundwater Criteria	Units	Method
Iron - Total	5060	300	ug/L	EPA 6020A
Sulfate	270	250	mg/L	EPA 300.0
Total Dissolved Solids	700	500	mg/L	SM 2540C-1997

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Arsenic - Total	14.8	10	ug/L	EPA 6020B
Sulfate	390	250	mg/L	EPA 300.0
Iron - Total	75300	300	ug/L	EPA 6020A
Total Dissolved Solids	1100	500	mg/L	SM 2540C-1997

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	16	2.8	ug/L	EPA 350.1
Iron - Total	33800	300	ug/L	EPA 6020A
Total Dissolved Solids	780	500	mg/L	SM 2540C-1997

MW-9

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	610	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, MW-6 and MW-7 were lower 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-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.

Sulfate levels were noted above GCTL's in MW-1, MW-6, and MW-7. The sulfate concentration levels in MW-1 and MW-6 were higher than the previous sampling event. The concentration levels in MW-7 were lower than the previous sampling event. 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.

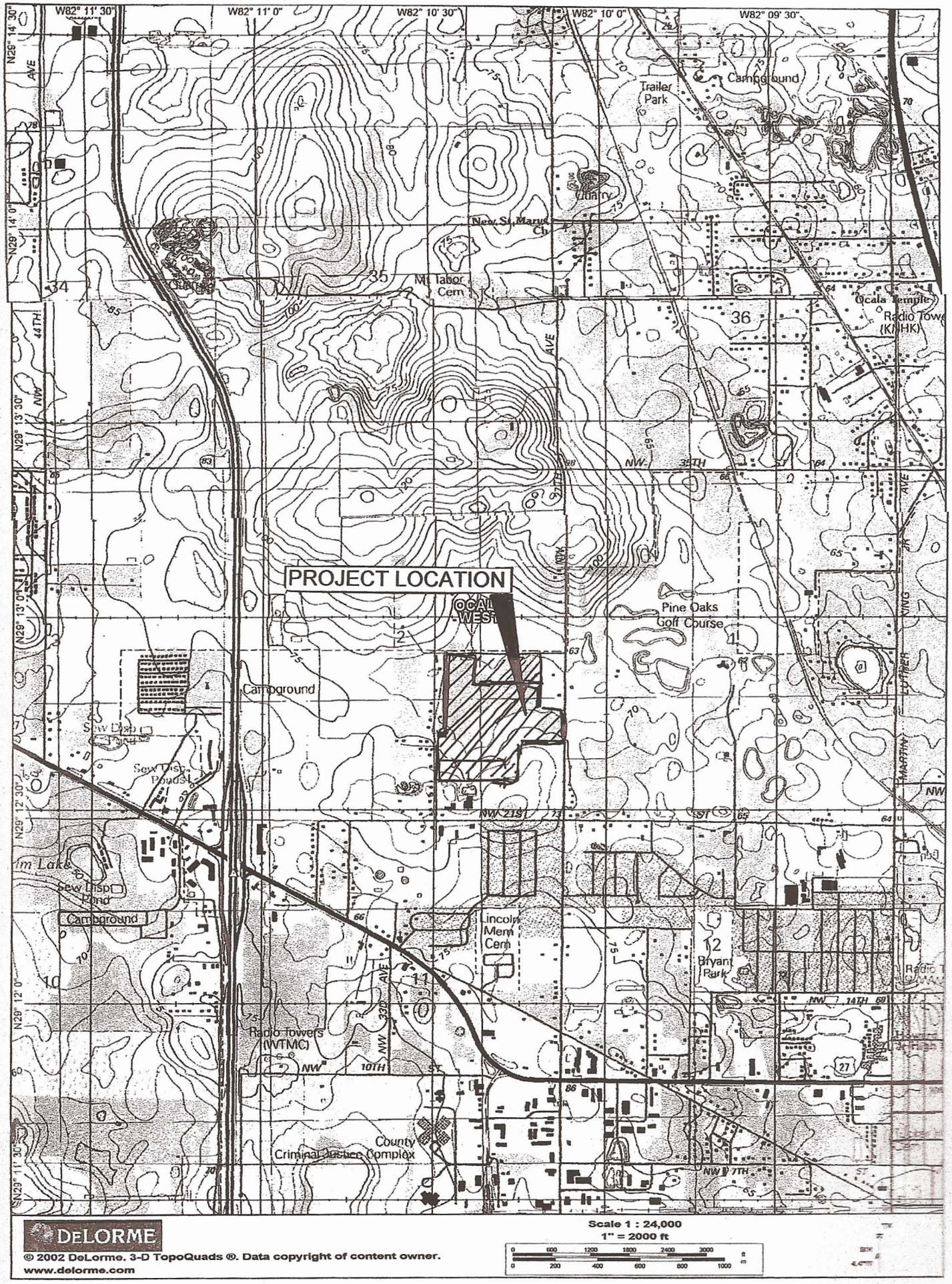
Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

Sincerely,

Robert M. Couch III

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

APPENDIX


W82° 11' 30"
W82° 11' 0"
W82° 10' 30"
W82° 10' 0"
W82° 09' 30"
N29° 14' 30"
N29° 14' 0"
N29° 13' 30"
N29° 13' 0"
N29° 12' 30"
N29° 12' 0"
N29° 11' 30"
PROJECT LOCATION
Trailer Park
Campground
Quarry
New St. Marys Ch
Mt Tabor Cem
Ocala Temple
Radio Towe
(KNHK)
Pine Oaks Golf Course
Campground
Sew Disp Pond
Sew Disp Ponds
Im Lake
Sew Disp Pond
Campground
Lincoln Mem Cem
Bryant Park
Radio Towers (WTMC)
County Criminal Justice Complex
34
35
36
10
11
12
44TH AVE
35TH AVE
MARTIN LUTHER KING
NW 21ST ST
NW 14TH ST
NW 10TH ST
NW 7TH ST
330' NW
DELORME
Scale 1 : 24,000
1" = 2000 ft
© 2002 DeLorme. 3-D TopoQuads ®. Data copyright of content owner.
www.delorme.com

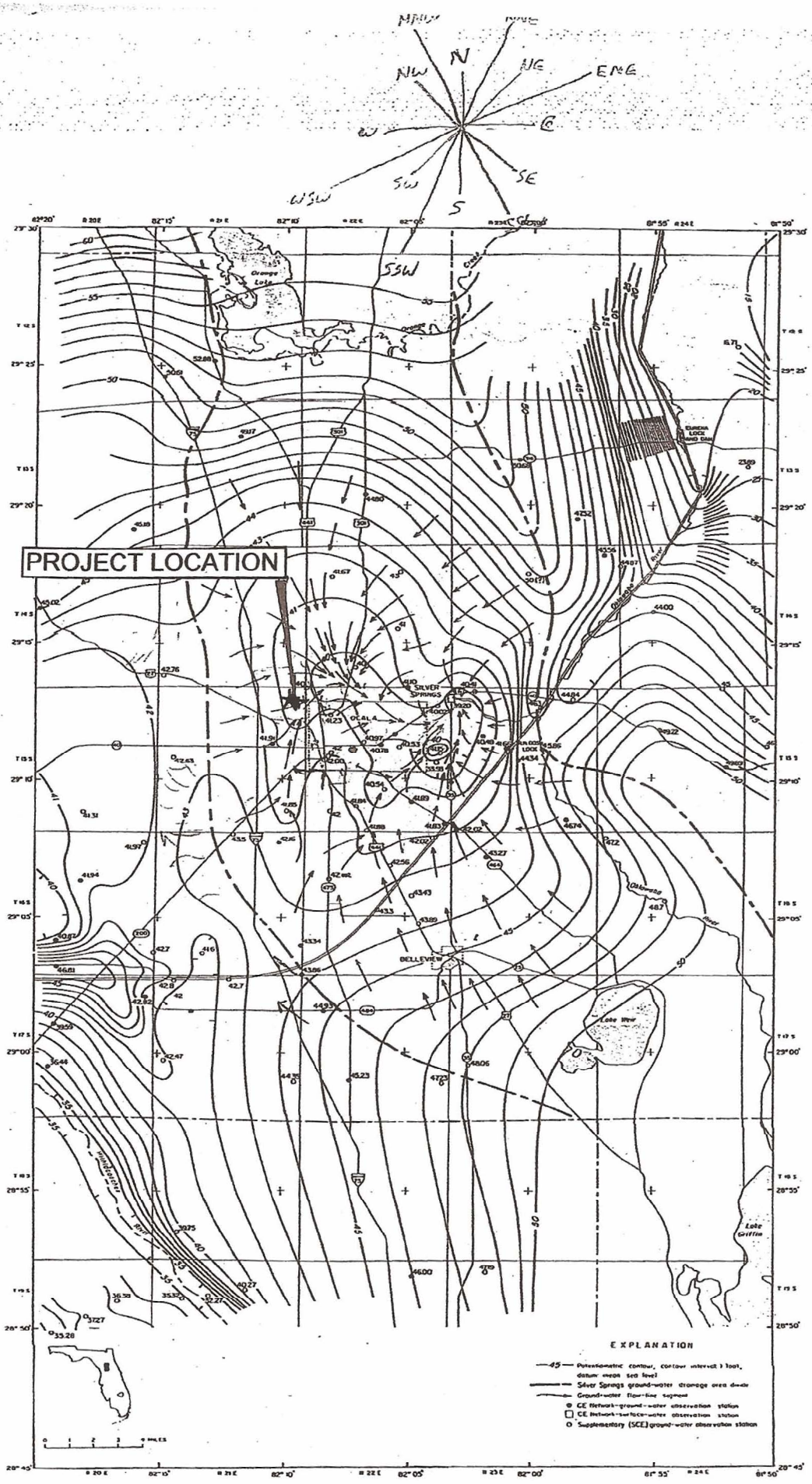


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

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

July 31, 2019

GROUNDWATER								
Well No.	**WACS No.**	**Latitude**	**Longitude**	**Ground Surface Elevation**	**Top of Casing (TOC) Elevation**	**Total Well Depth**	**Depth to Water (7/31/2019)**	**Water Table Elevation (7/31/2019)**
MW-1	18811	29d 12' 44.009" N	82d 10' 12.150" W	72.57	74.66	43.45	30.02	44.64
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	43.35	44.66
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	33.29	44.76
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.80	43.79	44.88
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	26.62	44.55
MW-9	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	24.21	44.43

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.

8/19/2019
Date

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

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Ideal Tech Services, Inc.

Analytical Lab NELAC #/ HRS Certification E83282

Lab Name Environmental Conservation Laboratories (ENCO) Orlando

Address 10775 Central Port Drive Orlando Florida 32824

Phone Number (407) 826-5314

E-mail Address

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM:	MW-1	WACS_WELL: 18811	DATE: 7/31/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	unk. feet to unk. feet	30.02	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (43.45 feet – 30.02 feet) X .16 gallons/foot = 2.15 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31.00	31.00	1220	1231	5.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1225	2.50	2.50	.50	30.14	6.51	24.9	1626	.03	2.20	slight yellow	none
1228	1.50	4.00	.50	30.14	6.48	24.9	1624	.05	.90		
1231	1.50	5.50	.50	30.14	6.48	24.9	1620	.03	1.40		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.		1231	1236

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

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-1	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-1	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-1	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-1	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: slowed pump to sample

DTW = 30.02 Reference Elevation = 74.66 GWTE = 44.64 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-5	WACS_WELL: 22912	DATE: 7/31/14	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 43.35	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (67.45 feet – 43.35 feet) X .16 gallons/foot = 3.85 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 44.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 44.50	PURGING INITIATED AT: 1133	PURGING ENDED AT: 1149	TOTAL VOLUME PURGED (gallons): 6.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1143	4.00	4.00	.40	43.39	6.36	31.1	1640	.05	2.40	slight yellow	yes
1146	1.20	5.20	.40	43.39	6.36	31.1	1642	.04	2.00		↓
1149	1.20	6.40	.40	43.39	6.36	31.1	1644	.04	1.90		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1149	SAMPLING ENDED AT: 1154
PUMP OR TUBING DEPTH IN WELL (feet): 44.50	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y [N] Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP [Y] N	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-5	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-5	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-5	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: sheen observed

DTW = 43.35 Reference Elevation = 88.01 GWTE = 44.66 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-6	WACS_WELL: 22913	DATE:	7/31/19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 33.29	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (53.10 feet – 33.29 feet) X .16 gallons/foot = 3.16 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35.00	PURGING INITIATED AT: 1100	PURGING ENDED AT: 1113	TOTAL VOLUME PURGED (gallons): 6.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1107	3.50	3.50	.50	33.58	6.29	24.4	1346	.05	2.70	slight yellow	none
1110	1.50	5.00	.50	33.58	6.30	24.4	1340	.05	1.70	↓	↓
1113	1.50	6.50	.50	33.58	6.30	24.5	1332	.07	.80	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1113	SAMPLING ENDED AT: 1118
PUMP OR TUBING DEPTH IN WELL (feet): 35.00	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y [N] Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP [Y] N	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-6	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-6	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-6	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-6	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: Slowed pump to sample

DTW = 33.29 Reference Elevation = 78.05 GWTE = 44.76 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: MW-7	WACS_WELL: 22914	DATE: 7/31/19	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 41 feet to 51 feet	STATIC DEPTH TO WATER (feet): 43.79	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (53.80 feet – 43.79 feet) X .16 gallons/foot = 1.60 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47.00	PURGING INITIATED AT: 1258	PURGING ENDED AT: 1308	TOTAL VOLUME PURGED (gallons): 5.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1302	2.00	2.00	.50	46.02	6.06	24.9	1469	.07	1.00	slight Yellow	none
1305	1.50	3.50	.50	46.09	6.05	25.1	1456	.06	2.30	↓	↓
1308	1.50	5.00	.50	46.13	6.10	25.0	1458	.05	2.10	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1308	SAMPLING ENDED AT: 1313
PUMP OR TUBING DEPTH IN WELL (feet): 47.00	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y [N] Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP [Y] N	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-7	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-7	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-7	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-7	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: Slower Pump to Sample

DTW = 43.79 Reference Elevation = 88.67 GWTE = 44.88 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling	SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-8	WACS_WELL: 22915	DATE: 7/31/19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 26.62	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (34.24 feet – 26.62 feet) X .16 gallons/foot = 1.21 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 27.50	PURGING INITIATED AT: 1028	PURGING ENDED AT: 1039	TOTAL VOLUME PURGED (gallons): 3.30

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1033	1.50	1.50	30	26.69	6.31	25.1	1419	.15	3.80	none	Yes
1036	.90	2.40	.30	26.69	6.31	25.1	1427	.11	3.00	↓	↓
1039	.90	3.30	.30	26.69	6.31	25.1	1432	.05	2.70	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1037	SAMPLING ENDED AT: 1044
PUMP OR TUBING DEPTH IN WELL (feet): 27.50	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y [N] Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP [Y] N	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-8	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-8	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-8	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-8	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: sheen observed

DTW = 26.62 Reference Elevation = 71.17 GWTE = 44.55 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM:	MW-9	WACS_WELL: 22916	DATE: 7/31/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	unk. feet to unk. feet	24.21	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (32.80 feet – 24.21 feet) X .16 gallons/foot = 1.37 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
25.50	25.50	0908	0918	6.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
				7/31/19							
0912	2.60	2.60	.65	6.64	6.64	22.5	882	.07	1.80	clear	clear
0915	1.95	4.55	.65	24.38	6.63	22.5	888	.08	.90	"	"
0918	1.95	6.50	.65	24.38	6.64	22.5	891	.10	.60	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		0918	0924

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

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-9	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-9	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 1135
MW-9	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 1135
MW-9	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135

REMARKS: Slowed pump to sample. DTW MW-9D = 24.21

DTW = 24.21 Reference Elevation = 68.64 GWTE = 44.43 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

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

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

CALIBRATION LOG

ITS Work Order Number: FRL-22-073119

CLIENT: Friends Recycling
ADDRESS: 2350 NW 27th Ave.
CITY, STATE: Ocala, Fl 34475
Site: Friends Recycling C&D Landfill
INITIAL CAL DATE @ TIME: 7/29/19 @ 0745
CCV CALIBRATION DATE @ TIME: 8/1/19 @ 0800

YSI Multi Parameter Meter: YSI-556 ITS #2 YSI-PRO+ ITS #4

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

STANDARD Standard Units	METER READING INITIAL	ICV (± 0.2 SU)	CCV (± 0.2 SU)	LOT NUMBER	EXP DATE
4.005	4.00	4.00	4.06	CC546363	Feb-20
7.000	7.00	7.06	7.06	CC391155	Nov-20
10.012	10.03	10.03	9.98	CC570824	Jul-20
Liquid Temp °C	27.1	25.9	26.3	Standards prepared by USA Blue Book	

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

Initial Calibration and CCV Daily for D.O. Date: 7/31/19

STANDARD (mg/L)	METER READING INITIAL	CCV (± 0.3 mg/L)	LOT NUMBER	EXPIRATION DATE
Barometer mm/Hg	760.0	760.2	No CCV Limit	
0.00	.05	.04	8GE557	May-19
Ambient Air Temperature				
27.1 °C	7.95			
30.6 °C		7.45		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by USA Blue Book. Limit is ± 0.3 mg/L of theoretical value (see Table FT 1500-1)

Start: 7/24/19 **ORP Sensor Per DEP-SOP-001/01 FT 2100** End: 7/31/19

STANDARD (mV)	METER READING INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
200	NM	NM	8GL275	Sep-19
400	NM	NM	9GC215	Mar-20

Standard is ORP solution, prepared by USA Blue Book. Cal Limit is ± 5% @ 25° C

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

STANDARD µmhos/cm	METER READING INITIAL	CCV (± 5%)	LOT NUMBER	EXPIRATION DATE
8,974	NM	NM	9GC039	Mar-20
2,764	2,764	2,790	9GB750	Feb-20
84	94	84	8GL275	Sep-19

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

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

STANDARD °C ERTCO Thermometer ± .5 °C		YSI METER TEMP READING °C LOW	YSI METER TEMP READING °C HIGH	METER NUMBER	DATE PERFORMED (Quarterly)
LOW	5.90	5.90		ITS YSI #2	02/26/19
HIGH	29.30		29.32	ITS YSI #2	02/26/19
LOW	5.90	5.90		ITS YSI #4	02/26/19
HIGH	31.10		31.10	ITS YSI #4	02/26/19

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. YSI is checked against ERTCO once per quarter

Fluke Infrared Thermoneter S.N. 1370781 | Certified By Aqua Pure Once Per Year 1/25/19 | +0.1°C

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 DRT - 15CE
Per DEP-SOP-001/01 FT 1600 **ITSNTU # 1** **ITSNTU # 2**

STANDARD (ntu)	METER READING INITIAL	CCV	CCV Acceptance % of standard value	
1000	NM	NM	± 5.0%	
100	100	100	± 6.5%	
10	10	10	± 10%	
0.02	.02	.02	± 10%	

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 80516 EXP: May / 2020

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 (± 10%)	NM	NM	NM	NM

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

Remarks:

Weather Conditions: Partly Cloudy 90°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #051819138WF2331011

Exp Date 11/30/20

Equipment Blank Data - Collected @ None Collected

pH = / Cond = /

Temp = / D.O. = /

Turbidity = /

Notes: **NA** - Not Applicable, **NM** - Not Measured, **ICV** - Initial Calibration Verification, **CCV** - Continuing Calibration Verification updated 07/09/19: 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 Louis Contento

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

www.encolabs.com

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

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

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

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

Requested Analyses

8260D Arom/Halo	Chloride 300,Nitrate as N 300,Sulfate 300,TDS SM2540C	Ammonia 350.1	Al,As,Cd,Cr,Fe,Hg,Na,Pb

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder

AC04754

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary) H	I	S	N	Sample Comments
	MW-1	7/31/19	1236	Grab	GW	6	X	X	X	X	
	MW-5	7/31/19	1154	Grab	GW	6	X	X	X	X	
	MW-6	7/31/19	1118	Grab	GW	6	X	X	X	X	
	MW-7	7/31/19	1313	Grab	GW	6	X	X	X	X	
	MW-8	7/31/19	1044	Grab	GW	6	X	X	X	X	
	MW-9	7/31/19	0924	Grab	GW	6	X	X	X	X	
	TRIP BLANK	-	-	Grab	GW	2	X	-	-	-	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
ECG	07/01/19 16:05		07/01/19 16:05		7/12/19 694
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
			8/1/19 0931	Rosa Marcel	8/1/19 9:31
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: Med-432 1.3°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

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

Tuesday, August 13, 2019
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): AC04754

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, August 1, 2019.

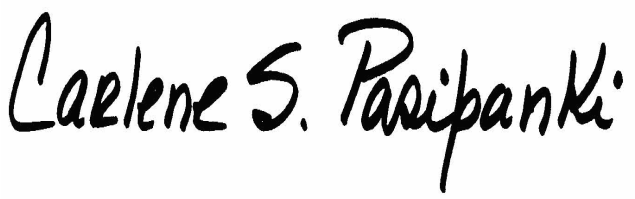
Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

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

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

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

Sincerely,



Carlene S Pasipanki

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1 **Lab ID: AC04754-01** **Sampled: 07/31/19 12:36** **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/02/19	12:36			08/01/19	11:30	08/01/19 13:37
EPA 300.0	NA	08/28/19				08/01/19	11:30	08/01/19 13:37
EPA 6020B	EPA 3005A	01/27/20				08/06/19	11:14	08/08/19 14:11
EPA 7470A	EPA 7470A	08/28/19				08/01/19	12:46	08/02/19 09:19
EPA 8260D	EPA 5030B_MS	08/14/19				08/06/19	00:00	08/06/19 13:10
Field	NO PREP	07/31/19	12:50			07/31/19	12:36	07/31/19 12:36
Field	NO PREP	08/01/19	12:36	08/01/19	12:36	07/31/19	12:36	07/31/19 12:36
Field	NO PREP	08/02/19	12:36			07/31/19	12:36	07/31/19 12:36
SM 2540C-2011	NO PREP	08/07/19				08/01/19	13:55	08/02/19 21:25

Client ID: MW-1 **Lab ID: AC04754-01RE1** **Sampled: 07/31/19 12:36** **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/28/19	08/06/19	17:18	08/07/19 06:48
EPA 350.1	Same	08/28/19	08/07/19	08:07	08/07/19 11:05
EPA 6020B	EPA 3005A	01/27/20	08/06/19	11:14	08/08/19 14:33

Client ID: MW-5 **Lab ID: AC04754-02** **Sampled: 07/31/19 11:54** **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/02/19	11:54			08/01/19	11:30	08/01/19 13:53
EPA 300.0	NA	08/28/19				08/01/19	11:30	08/01/19 13:53
EPA 6020B	EPA 3005A	01/27/20				08/06/19	11:14	08/08/19 14:14
EPA 7470A	EPA 7470A	08/28/19				08/01/19	12:46	08/02/19 09:22
EPA 8260D	EPA 5030B_MS	08/14/19				08/06/19	00:00	08/06/19 16:11
Field	NO PREP	07/31/19	12:08			07/31/19	11:54	07/31/19 11:54
Field	NO PREP	08/01/19	11:54	08/01/19	11:54	07/31/19	11:54	07/31/19 11:54
Field	NO PREP	08/02/19	11:54			07/31/19	11:54	07/31/19 11:54
SM 2540C-2011	NO PREP	08/07/19				08/01/19	13:55	08/02/19 21:25

Client ID: MW-5 **Lab ID: AC04754-02RE1** **Sampled: 07/31/19 11:54** **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 350.1	Same	08/28/19	08/07/19	08:07	08/07/19 11:06
EPA 6020B	EPA 3005A	01/27/20	08/06/19	11:14	08/08/19 15:00
EPA 8260D	EPA 5030B_MS	08/14/19	08/07/19	00:00	08/07/19 11:47

Client ID: MW-6 **Lab ID: AC04754-03** **Sampled: 07/31/19 11:18** **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/02/19	11:18			08/01/19	11:30	08/01/19 14:08
EPA 300.0	NA	08/28/19				08/01/19	11:30	08/01/19 14:08
EPA 350.1	Same	08/28/19				08/07/19	08:07	08/07/19 10:58
EPA 6020B	EPA 3005A	01/27/20				08/06/19	11:14	08/08/19 14:18
EPA 7470A	EPA 7470A	08/28/19				08/01/19	12:46	08/02/19 09:25
EPA 8260D	EPA 5030B_MS	08/14/19				08/06/19	00:00	08/06/19 16:41
Field	NO PREP	07/31/19	11:32			07/31/19	11:18	07/31/19 11:18
Field	NO PREP	08/01/19	11:18	08/01/19	11:18	07/31/19	11:18	07/31/19 11:18
Field	NO PREP	08/02/19	11:18			07/31/19	11:18	07/31/19 11:18
SM 2540C-2011	NO PREP	08/07/19				08/01/19	13:55	08/02/19 21:25

Client ID: MW-6 **Lab ID: AC04754-03RE1** **Sampled: 07/31/19 11:18** **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/28/19	08/06/19	17:18	08/07/19 07:03
EPA 6020B	EPA 3005A	01/27/20	08/06/19	11:14	08/08/19 14:37

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-7 | **Lab ID: AC04754-04** | **Sampled: 07/31/19 13:13** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/02/19	13:13			08/01/19	11:30	08/01/19 15:06
EPA 300.0	NA	08/28/19				08/01/19	11:30	08/01/19 15:06
EPA 350.1	Same	08/28/19				08/07/19	08:07	08/07/19 11:01
EPA 6020B	EPA 3005A	01/27/20				08/06/19	11:14	08/08/19 14:22
EPA 7470A	EPA 7470A	08/28/19				08/01/19	12:46	08/02/19 09:35
EPA 8260D	EPA 5030B_MS	08/14/19				08/06/19	00:00	08/06/19 17:11
Field	NO PREP	07/31/19	13:27			07/31/19	13:13	07/31/19 13:13
Field	NO PREP	08/01/19	13:13	08/01/19	13:13	07/31/19	13:13	07/31/19 13:13
Field	NO PREP	08/02/19	13:13			07/31/19	13:13	07/31/19 13:13
SM 2540C-2011	NO PREP	08/07/19				08/01/19	13:55	08/02/19 21:25

Client ID: MW-7 | **Lab ID: AC04754-04RE1** | **Sampled: 07/31/19 13:13** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/28/19	08/06/19	17:18	08/07/19 07:19
EPA 6020B	EPA 3005A	01/27/20	08/06/19	11:14	08/08/19 15:04

Client ID: MW-8 | **Lab ID: AC04754-05** | **Sampled: 07/31/19 10:44** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/02/19	10:44			08/01/19	11:30	08/01/19 15:21
EPA 300.0	NA	08/28/19				08/01/19	11:30	08/01/19 15:21
EPA 6020B	EPA 3005A	01/27/20				08/06/19	11:14	08/08/19 14:26
EPA 7470A	EPA 7470A	08/28/19				08/01/19	12:46	08/02/19 09:39
EPA 8260D	EPA 5030B_MS	08/14/19				08/07/19	00:00	08/07/19 12:17
Field	NO PREP	07/31/19	10:58			07/31/19	10:44	07/31/19 10:44
Field	NO PREP	08/01/19	10:44	08/01/19	10:44	07/31/19	10:44	07/31/19 10:44
Field	NO PREP	08/02/19	10:44			07/31/19	10:44	07/31/19 10:44
SM 2540C-2011	NO PREP	08/07/19				08/01/19	13:55	08/02/19 21:25

Client ID: MW-8 | **Lab ID: AC04754-05RE1** | **Sampled: 07/31/19 10:44** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 350.1	Same	08/28/19	08/07/19	08:07	08/07/19 11:09
EPA 6020B	EPA 3005A	01/27/20	08/06/19	11:14	08/08/19 15:08

Client ID: MW-9 | **Lab ID: AC04754-06** | **Sampled: 07/31/19 09:24** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/02/19	09:24			08/01/19	11:30	08/01/19 19:50
EPA 300.0	NA	08/28/19				08/01/19	11:30	08/01/19 19:50
EPA 350.1	Same	08/28/19				08/07/19	08:07	08/07/19 11:03
EPA 6020B	EPA 3005A	01/27/20				08/06/19	11:14	08/08/19 14:30
EPA 7470A	EPA 7470A	08/28/19				08/01/19	12:46	08/02/19 09:42
EPA 8260D	EPA 5030B_MS	08/14/19				08/07/19	00:00	08/07/19 12:47
Field	NO PREP	07/31/19	09:38			07/31/19	09:24	07/31/19 09:24
Field	NO PREP	08/01/19	09:24	08/01/19	09:24	07/31/19	09:24	07/31/19 09:24
Field	NO PREP	08/02/19	09:24			07/31/19	09:24	07/31/19 09:24
SM 2540C-2011	NO PREP	08/07/19				08/01/19	13:55	08/02/19 21:25

Client ID: MW-9 | **Lab ID: AC04754-06RE1** | **Sampled: 07/31/19 09:24** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NA	08/28/19	08/06/19	17:18	08/07/19 07:34

Client ID: TRIP BLANK | **Lab ID: AC04754-07** | **Sampled: 07/31/19 00:00** | **Received: 08/01/19 09:31**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260D	EPA 5030B_MS	08/14/19	08/07/19	00:00	08/07/19 13:17

SAMPLE DETECTION SUMMARY

Client ID: MW-1 **Lab ID: AC04754-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	5.61	I	5.00	10.0	ug/L	EPA 6020B	
Chloride	19		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	30.02				Ft	Field	
Dissolved Oxygen	0.03		0	0	mg/L	Field	
pH	6.48				pH Units	Field	
Sodium - Total	30.1		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1620		0	0	umhos/cm	Field	
Temperature	24.9		0	0	°C	Field	
Total Dissolved Solids	1200		10	10	mg/L	SM 2540C-2011	
Turbidity	0.4		0	0	NTU	Field	
Water Elevation	44.64				Ft	Field	

Client ID: MW-1 **Lab ID: AC04754-01RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	3.4		0.020	0.040	mg/L	EPA 350.1	
Iron - Total	10800		250	500	ug/L	EPA 6020B	
Sulfate	460		0.53	40	mg/L	EPA 300.0	

Client ID: MW-5 **Lab ID: AC04754-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	29		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	43.35				Ft	Field	
Dissolved Oxygen	0.04		0	0	mg/L	Field	
pH	6.36				pH Units	Field	
Sodium - Total	40.1		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1646		0	0	umhos/cm	Field	
Temperature	31.1		0	0	°C	Field	
Total Dissolved Solids	910		10	10	mg/L	SM 2540C-2011	
Turbidity	1.9		0	0	NTU	Field	
Water Elevation	44.66				Ft	Field	

Client ID: MW-5 **Lab ID: AC04754-02RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	8.6		0.049	0.10	mg/L	EPA 350.1	
Iron - Total	11500		250	500	ug/L	EPA 6020B	
o-Xylene	0.85	I	0.53	1.0	ug/L	EPA 8260D	

Client ID: MW-6 **Lab ID: AC04754-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.49		0.0098	0.020	mg/L	EPA 350.1	QM-07
Arsenic - Total	5.39	I	5.00	10.0	ug/L	EPA 6020B	
Chloride	13		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	33.29				Ft	Field	
Dissolved Oxygen	0.07		0	0	mg/L	Field	
pH	6.3				pH Units	Field	
Sodium - Total	14.1		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1332		0	0	umhos/cm	Field	
Temperature	24.5		0	0	°C	Field	
Total Dissolved Solids	940		10	10	mg/L	SM 2540C-2011	
Turbidity	0.8		0	0	NTU	Field	
Water Elevation	44.76				Ft	Field	

Client ID: MW-6 **Lab ID: AC04754-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	12800		250	500	ug/L	EPA 6020B	
Sulfate	270		0.33	25	mg/L	EPA 300.0	

SAMPLE DETECTION SUMMARY

Client ID: MW-7 **Lab ID: AC04754-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.57		0.0098	0.020	mg/L	EPA 350.1	
Arsenic - Total	14.8		5.00	10.0	ug/L	EPA 6020B	
Chloride	28		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	43.79				Ft	Field	
Dissolved Oxygen	0.05		0	0	mg/L	Field	
Mercury - Total	0.0300	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.1				pH Units	Field	
Sodium - Total	35.4		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1458		0	0	umhos/cm	Field	
Temperature	25		0	0	°C	Field	
Total Dissolved Solids	1100		10	10	mg/L	SM 2540C-2011	
Turbidity	2.12		0	0	NTU	Field	
Water Elevation	44.88				Ft	Field	

Client ID: MW-7 **Lab ID: AC04754-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	75300		250	500	ug/L	EPA 6020B	
Sulfate	390		0.53	40	mg/L	EPA 300.0	

Client ID: MW-8 **Lab ID: AC04754-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	5.01	I	5.00	10.0	ug/L	EPA 6020B	
Chloride	57		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	26.62				Ft	Field	
Dissolved Oxygen	0.05		0	0	mg/L	Field	
o-Xylene	0.67	I	0.53	1.0	ug/L	EPA 8260D	
pH	6.31				pH Units	Field	
Sodium - Total	60.0		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1432		0	0	umhos/cm	Field	
Sulfate	0.22	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	25.1		0	0	°C	Field	
Total Dissolved Solids	780		10	10	mg/L	SM 2540C-2011	
Turbidity	2.7		0	0	NTU	Field	
Water Elevation	44.55				Ft	Field	
Xylenes (Total)	1.3	I	1.3	2.0	ug/L	EPA 8260D	

Client ID: MW-8 **Lab ID: AC04754-05RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	16		0.098	0.20	mg/L	EPA 350.1	
Iron - Total	33800		250	500	ug/L	EPA 6020B	

Client ID: MW-9 **Lab ID: AC04754-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	19		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	24.21				Ft	Field	
Dissolved Oxygen	0.1		0	0	mg/L	Field	
Iron - Total	68.0		25.0	50.0	ug/L	EPA 6020B	
Nitrate as N	0.32	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.64				pH Units	Field	
Sodium - Total	13.3		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	891		0	0	umhos/cm	Field	
Temperature	22.5		0	0	°C	Field	
Total Dissolved Solids	610		10	10	mg/L	SM 2540C-2011	
Turbidity	0.6		0	0	NTU	Field	
Water Elevation	44.43				Ft	Field	

Client ID: MW-9 **Lab ID: AC04754-06RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	140		0.13	10	mg/L	EPA 300.0	

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ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** AC04754-01 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 12:36 **Work Order:** AC04754

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	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	QM-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H06005	EPA 8260D	08/06/19 13:10	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*41-142*	*9H06005*	*EPA 8260D*	*08/06/19 13:10*	*KKW*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*53-146*	*9H06005*	*EPA 8260D*	*08/06/19 13:10*	*KKW*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*41-146*	*9H06005*	*EPA 8260D*	*08/06/19 13:10*	*KKW*	

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ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** AC04754-01 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 12:36 **Work Order:** AC04754

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	9H01022	EPA 7470A	08/02/19 09:19	CRG	

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:11	CRG	
Arsenic [7440-38-2]	**5.61**	I	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:11	CRG	
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:11	CRG	
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:11	CRG	
Iron [7439-89-6]	**10800**		ug/L	10	250	500	9H06006	EPA 6020B	08/08/19 14:33	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:11	CRG	
Sodium [7440-23-5]	**30.1**		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:11	CRG	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**3.4**		mg/L	2	0.020	0.040	9H07010	EPA 350.1	08/07/19 11:05	KGonz	
Chloride [16887-00-6]^	**19**		mg/L	1	0.29	5.0	9H01025	EPA 300.0	08/01/19 13:37	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9H01025	EPA 300.0	08/01/19 13:37	S1R	
Sulfate [14808-79-8]^	**460**		mg/L	8	0.53	40	9H06024	EPA 300.0	08/07/19 06:48	RSA	
Total Dissolved Solids^	**1200**		mg/L	1	10	10	9H01032	SM 2540C-2011	08/02/19 21:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**30.02**		Ft	1			9H05035	Field	07/31/19 12:36	CSP	
Dissolved Oxygen	**0.03**		mg/L	1	0	0	9H05035	Field	07/31/19 12:36	CSP	
pH	**6.48**		pH Units	1			9H05035	Field	07/31/19 12:36	CSP	
Specific Conductance (EC)	**1620**		umhos/cm	1	0	0	9H05035	Field	07/31/19 12:36	CSP	
Temperature	**24.9**		°C	1	0	0	9H05035	Field	07/31/19 12:36	CSP	
Turbidity	**0.4**		NTU	1	0	0	9H05035	Field	07/31/19 12:36	CSP	
Water Elevation	**44.64**		Ft	1			9H05035	Field	07/31/19 12:36	CSP	

ANALYTICAL RESULTS

Description: MW-5 **Lab Sample ID:** AC04754-02 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 11:54 **Work Order:** AC04754

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	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 11:47	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
o-Xylene [95-47-6]^	**0.85**	I	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 11:47	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 16:11	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 11:47	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*41-142*	*9H06005*	*EPA 8260D*	*08/06/19 16:11*	*KKW*	
4-Bromofluorobenzene	*53*	*1*	*50.0*	*107 %*	*41-142*	*9H07021*	*EPA 8260D*	*08/07/19 11:47*	*KKW*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*53-146*	*9H06005*	*EPA 8260D*	*08/06/19 16:11*	*KKW*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*53-146*	*9H07021*	*EPA 8260D*	*08/07/19 11:47*	*KKW*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*41-146*	*9H06005*	*EPA 8260D*	*08/06/19 16:11*	*KKW*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*41-146*	*9H07021*	*EPA 8260D*	*08/07/19 11:47*	*KKW*	

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ANALYTICAL RESULTS

Description: MW-5 **Lab Sample ID:** AC04754-02 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 11:54 **Work Order:** AC04754

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	9H01022	EPA 7470A	08/02/19 09:22	CRG	

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:14	CRG	
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:14	CRG	
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:14	CRG	
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:14	CRG	
Iron [7439-89-6]	**11500**		ug/L	10	250	500	9H06006	EPA 6020B	08/08/19 15:00	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:14	CRG	
Sodium [7440-23-5]	**40.1**		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:14	CRG	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**8.6**		mg/L	5	0.049	0.10	9H07010	EPA 350.1	08/07/19 11:06	KGonz	
Chloride [16887-00-6]^	**29**		mg/L	1	0.29	5.0	9H01025	EPA 300.0	08/01/19 13:53	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9H01025	EPA 300.0	08/01/19 13:53	S1R	
Sulfate [14808-79-8]^	0.07	U	mg/L	1	0.07	5.0	9H01025	EPA 300.0	08/01/19 13:53	S1R	
Total Dissolved Solids^	**910**		mg/L	1	10	10	9H01032	SM 2540C-2011	08/02/19 21:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**43.35**		Ft	1			9H05035	Field	07/31/19 11:54	CSP	
Dissolved Oxygen	**0.04**		mg/L	1	0	0	9H05035	Field	07/31/19 11:54	CSP	
pH	**6.36**		pH Units	1			9H05035	Field	07/31/19 11:54	CSP	
Specific Conductance (EC)	**1646**		umhos/cm	1	0	0	9H05035	Field	07/31/19 11:54	CSP	
Temperature	**31.1**		°C	1	0	0	9H05035	Field	07/31/19 11:54	CSP	
Turbidity	**1.9**		NTU	1	0	0	9H05035	Field	07/31/19 11:54	CSP	
Water Elevation	**44.66**		Ft	1			9H05035	Field	07/31/19 11:54	CSP	

ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** AC04754-03 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 11:18 **Work Order:** AC04754

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	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H06005	EPA 8260D	08/06/19 16:41	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*41-142*	*9H06005*	*EPA 8260D*	*08/06/19 16:41*	*KKW*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*53-146*	*9H06005*	*EPA 8260D*	*08/06/19 16:41*	*KKW*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*41-146*	*9H06005*	*EPA 8260D*	*08/06/19 16:41*	*KKW*	

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ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** AC04754-03 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 11:18 **Work Order:** AC04754

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	9H01022	EPA 7470A	08/02/19 09:25	CRG	

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:18	CRG	
Arsenic [7440-38-2]	**5.39**	I	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:18	CRG	
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:18	CRG	
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:18	CRG	
Iron [7439-89-6]	**12800**		ug/L	10	250	500	9H06006	EPA 6020B	08/08/19 14:37	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:18	CRG	
Sodium [7440-23-5]	**14.1**		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:18	CRG	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**0.49**		mg/L	1	0.0098	0.020	9H07010	EPA 350.1	08/07/19 10:58	KGonz	QM-07
Chloride [16887-00-6]^	**13**		mg/L	1	0.29	5.0	9H01025	EPA 300.0	08/01/19 14:08	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9H01025	EPA 300.0	08/01/19 14:08	S1R	
Sulfate [14808-79-8]^	**270**		mg/L	5	0.33	25	9H06024	EPA 300.0	08/07/19 07:03	RSA	
Total Dissolved Solids^	**940**		mg/L	1	10	10	9H01032	SM 2540C-2011	08/02/19 21:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**33.29**		Ft	1			9H05035	Field	07/31/19 11:18	CSP	
Dissolved Oxygen	**0.07**		mg/L	1	0	0	9H05035	Field	07/31/19 11:18	CSP	
pH	**6.3**		pH Units	1			9H05035	Field	07/31/19 11:18	CSP	
Specific Conductance (EC)	**1332**		umhos/cm	1	0	0	9H05035	Field	07/31/19 11:18	CSP	
Temperature	**24.5**		°C	1	0	0	9H05035	Field	07/31/19 11:18	CSP	
Turbidity	**0.8**		NTU	1	0	0	9H05035	Field	07/31/19 11:18	CSP	
Water Elevation	**44.76**		Ft	1			9H05035	Field	07/31/19 11:18	CSP	

ANALYTICAL RESULTS

Description: MW-7 **Lab Sample ID:** AC04754-04 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 13:13 **Work Order:** AC04754

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	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H06005	EPA 8260D	08/06/19 17:11	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*41-142*	*9H06005*	*EPA 8260D*	*08/06/19 17:11*	*KKW*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*53-146*	*9H06005*	*EPA 8260D*	*08/06/19 17:11*	*KKW*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*41-146*	*9H06005*	*EPA 8260D*	*08/06/19 17:11*	*KKW*	

ANALYTICAL RESULTS

Description: MW-7 **Lab Sample ID:** AC04754-04 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 13:13 **Work Order:** AC04754

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]^	**0.0300**	I	ug/L	1	0.0230	0.200	9H01022	EPA 7470A	08/02/19 09:35	CRG	

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:22	CRG	
Arsenic [7440-38-2]	**14.8**		ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:22	CRG	
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:22	CRG	
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:22	CRG	
Iron [7439-89-6]	**75300**		ug/L	10	250	500	9H06006	EPA 6020B	08/08/19 15:04	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:22	CRG	
Sodium [7440-23-5]	**35.4**		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:22	CRG	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**0.57**		mg/L	1	0.0098	0.020	9H07010	EPA 350.1	08/07/19 11:01	KGonz	
Chloride [16887-00-6]^	**28**		mg/L	1	0.29	5.0	9H01025	EPA 300.0	08/01/19 15:06	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9H01025	EPA 300.0	08/01/19 15:06	S1R	
Sulfate [14808-79-8]^	**390**		mg/L	8	0.53	40	9H06024	EPA 300.0	08/07/19 07:19	RSA	
Total Dissolved Solids^	**1100**		mg/L	1	10	10	9H01032	SM 2540C-2011	08/02/19 21:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**43.79**		Ft	1			9H05035	Field	07/31/19 13:13	CSP	
Dissolved Oxygen	**0.05**		mg/L	1	0	0	9H05035	Field	07/31/19 13:13	CSP	
pH	**6.1**		pH Units	1			9H05035	Field	07/31/19 13:13	CSP	
Specific Conductance (EC)	**1458**		umhos/cm	1	0	0	9H05035	Field	07/31/19 13:13	CSP	
Temperature	**25**		°C	1	0	0	9H05035	Field	07/31/19 13:13	CSP	
Turbidity	**2.12**		NTU	1	0	0	9H05035	Field	07/31/19 13:13	CSP	
Water Elevation	**44.88**		Ft	1			9H05035	Field	07/31/19 13:13	CSP	

ANALYTICAL RESULTS

Description: MW-8 **Lab Sample ID:** AC04754-05 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 10:44 **Work Order:** AC04754

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	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	QL-02
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	QL-02
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	QM-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
o-Xylene [95-47-6]^	**0.67**	I	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	
Xylenes (Total) [1330-20-7]^	**1.3**	I	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 12:17	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*41-142*	*9H07021*	*EPA 8260D*	*08/07/19 12:17*	*KKW*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*53-146*	*9H07021*	*EPA 8260D*	*08/07/19 12:17*	*KKW*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*41-146*	*9H07021*	*EPA 8260D*	*08/07/19 12:17*	*KKW*	

ANALYTICAL RESULTS

Description: MW-8 **Lab Sample ID:** AC04754-05 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 10:44 **Work Order:** AC04754

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	9H01022	EPA 7470A	08/02/19 09:39	CRG	

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:26	CRG	
Arsenic [7440-38-2]	**5.01**	I	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:26	CRG	
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:26	CRG	
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:26	CRG	
Iron [7439-89-6]	**33800**		ug/L	10	250	500	9H06006	EPA 6020B	08/08/19 15:08	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:26	CRG	
Sodium [7440-23-5]	**60.0**		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:26	CRG	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**16**		mg/L	10	0.098	0.20	9H07010	EPA 350.1	08/07/19 11:09	KGonz	
Chloride [16887-00-6]^	**57**		mg/L	1	0.29	5.0	9H01025	EPA 300.0	08/01/19 15:21	S1R	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	9H01025	EPA 300.0	08/01/19 15:21	S1R	
Sulfate [14808-79-8]^	**0.22**	I	mg/L	1	0.07	5.0	9H01025	EPA 300.0	08/01/19 15:21	S1R	
Total Dissolved Solids^	**780**		mg/L	1	10	10	9H01032	SM 2540C-2011	08/02/19 21:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**26.62**		Ft	1			9H05035	Field	07/31/19 10:44	CSP	
Dissolved Oxygen	**0.05**		mg/L	1	0	0	9H05035	Field	07/31/19 10:44	CSP	
pH	**6.31**		pH Units	1			9H05035	Field	07/31/19 10:44	CSP	
Specific Conductance (EC)	**1432**		umhos/cm	1	0	0	9H05035	Field	07/31/19 10:44	CSP	
Temperature	**25.1**		°C	1	0	0	9H05035	Field	07/31/19 10:44	CSP	
Turbidity	**2.7**		NTU	1	0	0	9H05035	Field	07/31/19 10:44	CSP	
Water Elevation	**44.55**		Ft	1			9H05035	Field	07/31/19 10:44	CSP	

ANALYTICAL RESULTS

Description: MW-9 **Lab Sample ID:** AC04754-06 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 09:24 **Work Order:** AC04754

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	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	QL-02
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	QL-02
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 12:47	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*41-142*	*9H07021*	*EPA 8260D*	*08/07/19 12:47*	*KKW*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*53-146*	*9H07021*	*EPA 8260D*	*08/07/19 12:47*	*KKW*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*41-146*	*9H07021*	*EPA 8260D*	*08/07/19 12:47*	*KKW*	

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ANALYTICAL RESULTS

Description: MW-9 **Lab Sample ID:** AC04754-06 **Received:** 08/01/19 09:31

Matrix: Ground Water **Sampled:** 07/31/19 09:24 **Work Order:** AC04754

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	9H01022	EPA 7470A	08/02/19 09:42	CRG	

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]	50.0	U	ug/L	1	50.0	100	9H06006	EPA 6020B	08/08/19 14:30	CRG	
Arsenic [7440-38-2]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:30	CRG	
Cadmium [7440-43-9]	0.500	U	ug/L	1	0.500	3.00	9H06006	EPA 6020B	08/08/19 14:30	CRG	
Chromium [7440-47-3]	5.00	U	ug/L	1	5.00	10.0	9H06006	EPA 6020B	08/08/19 14:30	CRG	
Iron [7439-89-6]	**68.0**		ug/L	1	25.0	50.0	9H06006	EPA 6020B	08/08/19 14:30	CRG	
Lead [7439-92-1]	2.50	U	ug/L	1	2.50	5.00	9H06006	EPA 6020B	08/08/19 14:30	CRG	
Sodium [7440-23-5]	**13.3**		mg/L	1	0.320	1.00	9H06006	EPA 6020B	08/08/19 14:30	CRG	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	9H07010	EPA 350.1	08/07/19 11:03	KGonz	
Chloride [16887-00-6]^	**19**		mg/L	1	0.29	5.0	9H01025	EPA 300.0	08/01/19 19:50	S1R	
Nitrate as N [14797-55-8]^	**0.32**	I	mg/L	1	0.052	1.0	9H01025	EPA 300.0	08/01/19 19:50	S1R	
Sulfate [14808-79-8]^	**140**		mg/L	2	0.13	10	9H06024	EPA 300.0	08/07/19 07:34	RSA	
Total Dissolved Solids^	**610**		mg/L	1	10	10	9H01032	SM 2540C-2011	08/02/19 21:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**24.21**		Ft	1			9H05035	Field	07/31/19 09:24	CSP	
Dissolved Oxygen	**0.1**		mg/L	1	0	0	9H05035	Field	07/31/19 09:24	CSP	
pH	**6.64**		pH Units	1			9H05035	Field	07/31/19 09:24	CSP	
Specific Conductance (EC)	**891**		umhos/cm	1	0	0	9H05035	Field	07/31/19 09:24	CSP	
Temperature	**22.5**		°C	1	0	0	9H05035	Field	07/31/19 09:24	CSP	
Turbidity	**0.6**		NTU	1	0	0	9H05035	Field	07/31/19 09:24	CSP	
Water Elevation	**44.43**		Ft	1			9H05035	Field	07/31/19 09:24	CSP	

ANALYTICAL RESULTS

Description: TRIP BLANK
Lab Sample ID: AC04754-07
Received: 08/01/19 09:31
Matrix: Ground Water
Sampled: 07/31/19 00:00
Work Order: AC04754
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	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	QL-02
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	QL-02
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	9H07021	EPA 8260D	08/07/19 13:17	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*41-142*	*9H07021*	*EPA 8260D*	*08/07/19 13:17*	*KKW*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*53-146*	*9H07021*	*EPA 8260D*	*08/07/19 13:17*	*KKW*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*41-146*	*9H07021*	*EPA 8260D*	*08/07/19 13:17*	*KKW*	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 9H06005 - EPA 5030B_MS

Blank (9H06005-BLK1) Prepared: 08/06/2019 00:00 Analyzed: 08/06/2019 12:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	2.0	U	5.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*41-142*			
Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*53-146*			
Toluene-d8	*47*			*ug/L*	*50.0*		*95*	*41-146*			

LCS (9H06005-BS1) Prepared: 08/06/2019 00:00 Analyzed: 08/06/2019 10:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		91	47-139			
Benzene	16		1.0	ug/L	20.0		81	56-136			
Chlorobenzene	20		1.0	ug/L	20.0		99	51-139			
Toluene	20		1.0	ug/L	20.0		99	64-131			
Trichloroethene	19		1.0	ug/L	20.0		97	62-135			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 9H06005 - EPA 5030B_MS - Continued

LCS (9H06005-BS1) Continued Prepared: 08/06/2019 00:00 Analyzed: 08/06/2019 10:40

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	*48*			*ug/L*	*50.0*		*97*	*53-146*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*41-146*			

Matrix Spike (9H06005-MS1) Prepared: 08/06/2019 00:00 Analyzed: 08/06/2019 15:10

Source: AC04754-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.94 U	89	47-139			
Benzene	17		1.0	ug/L	20.0	0.71 U	85	56-136			
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	108	51-139			
Toluene	21		1.0	ug/L	20.0	0.72 U	105	64-131			
Trichloroethene	20		1.0	ug/L	20.0	0.89 U	98	62-135			
4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*41-142*			
Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*53-146*			
Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*41-146*			

Matrix Spike Dup (9H06005-MSD1) Prepared: 08/06/2019 00:00 Analyzed: 08/06/2019 15:41

Source: AC04754-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.94 U	94	47-139	6	16	
Benzene	17		1.0	ug/L	20.0	0.71 U	84	56-136	2	14	
Chlorobenzene	21		1.0	ug/L	20.0	0.72 U	105	51-139	3	13	
Toluene	21		1.0	ug/L	20.0	0.72 U	106	64-131	0.9	16	
Trichloroethene	18		1.0	ug/L	20.0	0.89 U	92	62-135	7	20	
4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*41-142*			
Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*53-146*			
Toluene-d8	*47*			*ug/L*	*50.0*		*93*	*41-146*			

Batch 9H07021 - EPA 5030B_MS

Blank (9H07021-BLK1) Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 10:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 9H07021 - EPA 5030B_MS - Continued

Blank (9H07021-BLK1) Continued Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 10:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	*55*			*ug/L*	*50.0*		*109*	*41-142*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*53-146*			
Toluene-d8	*46*			*ug/L*	*50.0*		*93*	*41-146*			

LCS (9H07021-BS1) Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 09:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0		116	47-139			
Benzene	20		1.0	ug/L	20.0		100	56-136			
Chlorobenzene	24		1.0	ug/L	20.0		118	51-139			
Toluene	23		1.0	ug/L	20.0		117	64-131			
Trichloroethene	23		1.0	ug/L	20.0		116	62-135			
4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*41-142*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*53-146*			
Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*41-146*			

Matrix Spike (9H07021-MS1) Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 13:47

Source: AC04754-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.94 U	106	47-139			
Benzene	19		1.0	ug/L	20.0	0.71 U	93	56-136			
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	112	51-139			
Toluene	22		1.0	ug/L	20.0	0.72 U	110	64-131			
Trichloroethene	22		1.0	ug/L	20.0	0.89 U	109	62-135			
4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*107*	*41-142*			
Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*53-146*			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 9H07021 - EPA 5030B_MS - Continued

Matrix Spike (9H07021-MS1) Continued Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 13:47

Source: AC04754-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*41-146*			

Matrix Spike Dup (9H07021-MSD1) Prepared: 08/07/2019 00:00 Analyzed: 08/07/2019 14:17

Source: AC04754-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.94 U	104	47-139	2	16	
Benzene	18		1.0	ug/L	20.0	0.71 U	91	56-136	2	14	
Chlorobenzene	21		1.0	ug/L	20.0	0.72 U	106	51-139	6	13	
Toluene	22		1.0	ug/L	20.0	0.72 U	108	64-131	2	16	
Trichloroethene	22		1.0	ug/L	20.0	0.89 U	111	62-135	1	20	
4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*109*	*41-142*			
Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*53-146*			
Toluene-d8	*47*			*ug/L*	*50.0*		*95*	*41-146*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9H01022 - EPA 7470A

Blank (9H01022-BLK1) Prepared: 08/01/2019 12:46 Analyzed: 08/02/2019 08:57

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 (9H01022-BLK2) Prepared: 08/01/2019 12:46 Analyzed: 08/02/2019 09:00

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 (9H01022-BS1) Prepared: 08/01/2019 12:46 Analyzed: 08/02/2019 09:03

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

Matrix Spike (9H01022-MS1) Prepared: 08/01/2019 12:46 Analyzed: 08/02/2019 09:09

Source: AC05461-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	49.7		2.00	ug/L	50.0	0.230 U	99	75-125			

Matrix Spike Dup (9H01022-MSD1) Prepared: 08/01/2019 12:46 Analyzed: 08/02/2019 09:13

Source: AC05461-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	51.3		2.00	ug/L	50.0	0.230 U	103	75-125	3	20	

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

Batch 9H06006 - EPA 3005A

QUALITY CONTROL DATA

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

Batch 9H06006 - EPA 3005A - Continued

Blank (9H06006-BLK1) Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	50.0	U	100	ug/L							
Arsenic	5.00	U	10.0	ug/L							
Cadmium	0.500	U	3.00	ug/L							
Chromium	5.00	U	10.0	ug/L							
Iron	25.0	U	50.0	ug/L							
Lead	2.50	U	5.00	ug/L							
Sodium	0.500	U	1.00	mg/L							

Blank (9H06006-BLK2) Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5.00	U	10.0	ug/L							
Arsenic	0.500	U	1.00	ug/L							
Cadmium	0.0500	U	0.300	ug/L							
Chromium	0.500	U	1.00	ug/L							
Iron	2.50	U	5.00	ug/L							
Lead	0.250	U	0.500	ug/L							
Sodium	0.0500	U	0.100	mg/L							

LCS (9H06006-BS1) Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:32

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	999		100	ug/L	1000		100	80-120			
Arsenic	491		10.0	ug/L	500		98	80-120			
Cadmium	50.1		3.00	ug/L	50.0		100	80-120			
Chromium	520		10.0	ug/L	500		104	80-120			
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	507		5.00	ug/L	500		101	80-120			
Sodium	25.6		1.00	mg/L	25.0		103	80-120			

Matrix Spike (9H06006-MS1) Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:39

Source: AC05233-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1410		100	ug/L	1000	184	122	75-125			
Arsenic	501		10.0	ug/L	500	6.52	99	75-125			
Cadmium	50.2		3.00	ug/L	50.0	0.500 U	100	75-125			
Chromium	532		10.0	ug/L	500	5.00 U	106	75-125			
Iron	2130		50.0	ug/L	1000	1000	113	75-125			
Lead	510		5.00	ug/L	500	2.50 U	102	75-125			
Sodium	31.5		1.00	mg/L	25.0	5.69	103	75-125			

Matrix Spike Dup (9H06006-MSD1) Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:43

Source: AC05233-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1480		100	ug/L	1000	184	129	75-125	5	20	QM-07
Arsenic	508		10.0	ug/L	500	6.52	100	75-125	1	20	
Cadmium	50.8		3.00	ug/L	50.0	0.500 U	102	75-125	1	20	
Chromium	524		10.0	ug/L	500	5.00 U	105	75-125	1	20	

QUALITY CONTROL DATA

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

Batch 9H06006 - EPA 3005A - Continued

Matrix Spike Dup (9H06006-MSD1) Continued Prepared: 08/06/2019 11:14 Analyzed: 08/08/2019 12:43

Source: AC05233-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	2120		50.0	ug/L	1000	1000	112	75-125	0.3	20	
Lead	509		5.00	ug/L	500	2.50 U	102	75-125	0.1	20	
Sodium	31.4		1.00	mg/L	25.0	5.69	103	75-125	0.5	20	

Post Spike (9H06006-PS1) Prepared: 08/08/2019 10:00 Analyzed: 08/08/2019 12:51

Source: AC05233-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	117		10.0	ug/L	98.0	18.1	101	75-125			

Classical Chemistry Parameters - Quality Control

Batch 9H01025 - NO PREP

Blank (9H01025-BLK1) Prepared: 08/01/2019 11:30 Analyzed: 08/01/2019 12:35

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

LCS (9H01025-BS1) Prepared: 08/01/2019 11:30 Analyzed: 08/01/2019 12:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0		95	90-110			
Nitrate as N	24		1.0	mg/L	25.0		95	90-110			
Sulfate	50		5.0	mg/L	50.0		99	90-110			

Matrix Spike (9H01025-MS1) Prepared: 08/01/2019 11:30 Analyzed: 08/01/2019 20:52

Source: AC05403-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	78		5.0	mg/L	50.0	30	97	90-110			
Nitrate as N	12		1.0	mg/L	25.0	0.052 U	49	90-110			QM-07
Sulfate	69		5.0	mg/L	50.0	17	105	90-110			

Matrix Spike (9H01025-MS2) Prepared: 08/01/2019 11:30 Analyzed: 08/01/2019 21:55

Source: AC05403-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	67		5.0	mg/L	50.0	18	97	90-110			
Nitrate as N	24		1.0	mg/L	25.0	0.052 U	97	90-110			
Sulfate	86		5.0	mg/L	50.0	35	102	90-110			

Matrix Spike Dup (9H01025-MSD1) Prepared: 08/01/2019 11:30 Analyzed: 08/01/2019 21:08

Source: AC05403-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	79		5.0	mg/L	50.0	30	98	90-110	1	10	
Nitrate as N	13		1.0	mg/L	25.0	0.052 U	51	90-110	3	10	QM-07
Sulfate	70		5.0	mg/L	50.0	17	107	90-110	1	10	

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 9H01025 - NO PREP - Continued

Matrix Spike Dup (9H01025-MSD2) Prepared: 08/01/2019 11:30 Analyzed: 08/01/2019 22:10

Source: AC05403-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	68		5.0	mg/L	50.0	18	99	90-110	1	10	
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	98	90-110	2	10	
Sulfate	87		5.0	mg/L	50.0	35	103	90-110	0.8	10	

Batch 9H01032 - NO PREP

Blank (9H01032-BLK1) Prepared: 08/01/2019 13:55 Analyzed: 08/02/2019 21:25

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

LCS (9H01032-BS1) Prepared: 08/01/2019 13:55 Analyzed: 08/02/2019 21:25

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

Duplicate (9H01032-DUP1) Prepared: 08/01/2019 13:55 Analyzed: 08/02/2019 21:25

Source: AC04754-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	1300		10	mg/L		1200			0.8	20	

Batch 9H06024 - NO PREP

Blank (9H06024-BLK1) Prepared: 08/06/2019 17:18 Analyzed: 08/07/2019 02:07

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

LCS (9H06024-BS1) Prepared: 08/06/2019 17:18 Analyzed: 08/07/2019 02:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	53		5.0	mg/L	50.0		106	90-110			

Matrix Spike (9H06024-MS1) Prepared: 08/06/2019 17:18 Analyzed: 08/07/2019 02:38

Source: AC04846-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	56		5.0	mg/L	50.0	0.69	111	90-110			QM-07

Matrix Spike (9H06024-MS2) Prepared: 08/06/2019 17:18 Analyzed: 08/07/2019 04:12

Source: AC04846-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	54		5.0	mg/L	50.0	1.5	105	90-110			

Matrix Spike Dup (9H06024-MSD1) Prepared: 08/06/2019 17:18 Analyzed: 08/07/2019 02:54

Source: AC04846-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	54		5.0	mg/L	50.0	0.69	107	90-110	4	10	

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 9H06024 - NO PREP - Continued

Matrix Spike Dup (9H06024-MSD2) Prepared: 08/06/2019 17:18 Analyzed: 08/07/2019 04:27

Source: AC04846-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	53		5.0	mg/L	50.0	1.5	103	90-110	2	10	

Batch 9H07010 - NO PREP

Blank (9H07010-BLK1) Prepared: 08/07/2019 08:07 Analyzed: 08/07/2019 10:50

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

LCS (9H07010-BS1) Prepared: 08/07/2019 08:07 Analyzed: 08/07/2019 10:52

Analyte	Result	Flag	PQL	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 (9H07010-MS1) Prepared: 08/07/2019 08:07 Analyzed: 08/07/2019 10:59

Source: AC04754-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.3		0.020	mg/L	1.00	0.49	81	90-110			QM-07

Matrix Spike (9H07010-MS2) Prepared: 08/07/2019 08:07 Analyzed: 08/07/2019 11:28

Source: AC05233-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.2		0.020	mg/L	1.00	0.14	101	90-110			

Matrix Spike Dup (9H07010-MSD1) Prepared: 08/07/2019 08:07 Analyzed: 08/07/2019 11:00

Source: AC04754-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.3		0.020	mg/L	1.00	0.49	82	90-110	0.8	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.
[CALC]	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

www.encolabs.com

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

Requested Analyses

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260D Arom/Halo	Chloride 300,Nitrate as N 300,Sulfate 300,TDS SM2540C	Ammonia 350.1	Al,As,Cd,Cr,Fe,Hg,Na,Pb							Sample Comments
							Preservation (See Codes) (Combine as necessary)										
							H	I	S	N							
	MW-1	7/31/19	1236	Grab	GW	6	X	X	X	X							
	MW-5	7/31/19	1154	Grab	GW	6	X	X	X	X							
	MW-6	7/31/19	1118	Grab	GW	6	X	X	X	X							
	MW-7	7/31/19	1313	Grab	GW	6	X	X	X	X							
	MW-8	7/31/19	1044	Grab	GW	6	X	X	X	X							
	MW-9	7/31/19	0924	Grab	GW	6	X	X	X	X							
	TRIP BLANK	–	–	Grab	GW	2	X	–	–	–							

<-- Total # of Containers

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

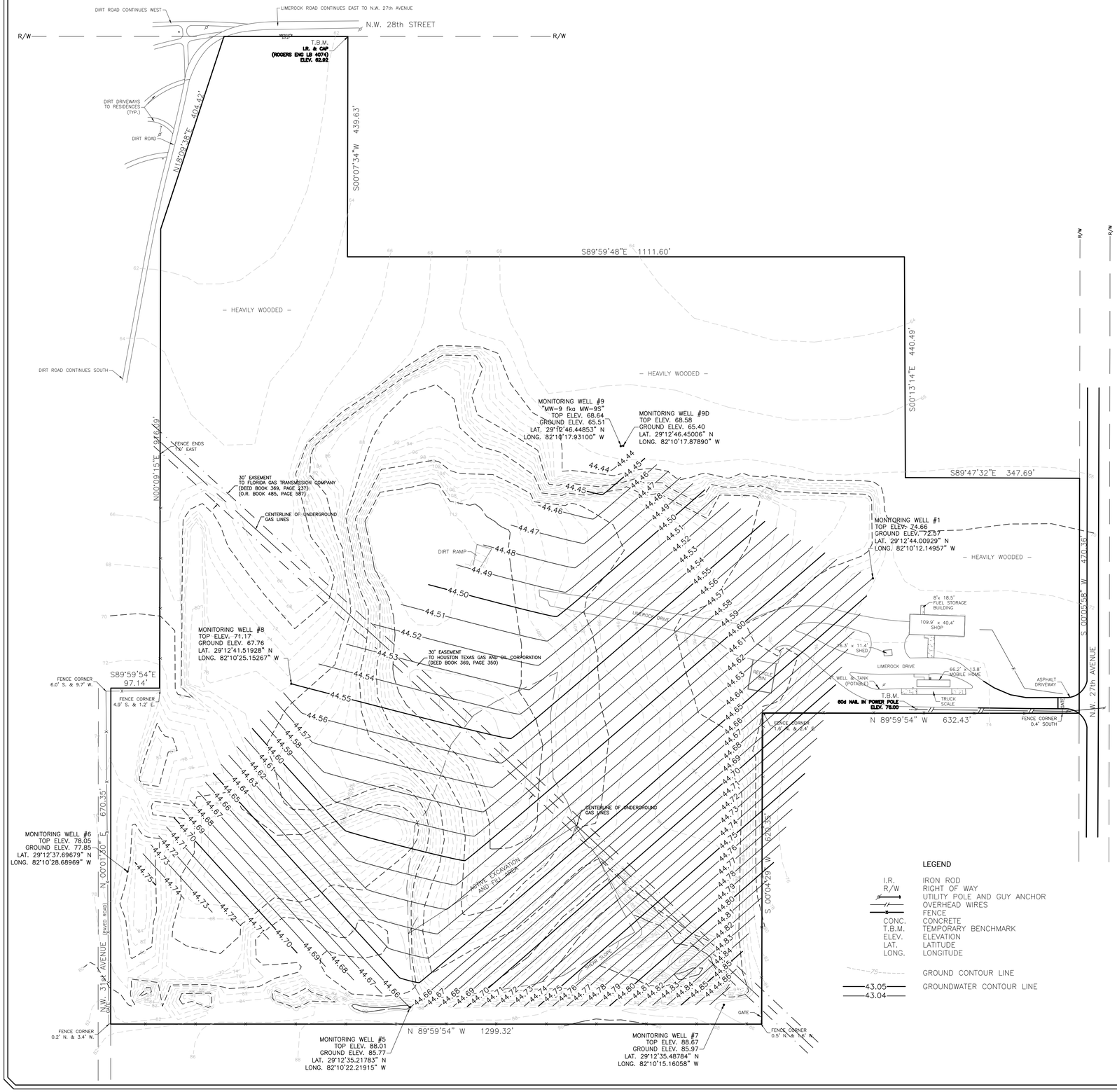
Lab Workorder: AC04754

Sample Kit Prepared By: ECG	Date/Time: 07/01/19 16:05	Relinquished By:	Date/Time: 07/01/19 16:05	Received By:	Date/Time: 7/12/19 0745
Comments/Special Reporting Requirements:		Relinquished By:	Date/Time: 8/1/19 0931	Received By: Rosa Marcel	Date/Time: 8/1/19 9:31
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: Med-432 1-3°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

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



NOTES:

1. THIS PROPERTY CONTAINS AN ACTIVE LANDFILL OPERATION THAT ALTERS THE GROUND CONTOUR ELEVATIONS IN CERTAIN AREAS ON A DAILY BASIS. THE CONTOUR LINES SHOWN HEREON REPRESENT THE PROPERTY CONDITION ON THE DATE OF THE SURVEY.

2. FIELD SURVEY DATE : 12-21-2012.

3. ELEVATIONS AND CONTOURS SHOWN HEREON ARE BASED ON N.G.V.D. DATUM; CITY OF OCALA BM @ N.W. 27th AVENUE AND N.W. 18th STREET; ELEVATION 69.47 (NAVD-88).

4. THE TOP ELEVATION OF THE MONITORING WELLS, AS SHOWN HEREON, REPRESENT THE ELEVATION OF THE TOP OF THE WELL CASING ON THE NORTH EDGE. THE GROUND ELEVATION REPRESENTS THE ELEVATION OF THE GROUND, NEXT TO THE WELL CASING ON THE NORTH SIDE.

SURVEY PREPARED BY:

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

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

REVISIONS
Groundwater contours revised 8-20-19

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

GROUNDWATER CONTOURS

FRIENDS RECYCLING, LLC.
MARION COUNTY, FLORIDA

ENVIROTECH, INC.
ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS
15290 SE HWY 42, PO BOX 152
WEIRSDALE, FLORIDA 32195
PHONE: (352) 694-1799
EMAIL: ENVIROTECH@YMAIL.COM

SITE PLAN
P.N. 2009-
Sht. 1 of 1