SEMI-ANNUAL MONITORING REPORT

SECOND HALF 2014

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

PREPARED FOR:

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

PREPARED BY:

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

August 5, 2014

August 5, 2014

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

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

Dear Mr. Giunarelli:

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

The following is a summary of the semi-annual sampling activities performed on the above listed wells as required by the Florida Department of Environmental Protection (FDEP) for the Friends Recycling C&D Landfill. A PDF copy of this report has been e-mailed to 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 18, 2014, (date of the sample collection), ground water samples were collected from MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9S, shown in the Topographic Survey provided by Robert L. Rogers Engineering Co., Inc. All collected groundwater samples were delivered to Environmental Conservation Laboratories, Inc. (ENCO) for analyses.

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

GROUNDWATER ANALYTICAL RESULTS

Copies of the laboratory analytical results and chain-of-custody forms and a sample detection summary of the analytical results of each monitoring well for the July 18, 2014 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	3.3	2.8	ug/L	EPA 350.1
Arsenic - Total	12.1	2.8	ug/L	EPA 6020A
Iron - Total	12900	300	ug/L	EPA 6010C
Sulfate	560	250	mg/L	EPA 300.0
Total Dissolved Solids	1400	500	mg/L	SM 2540C-1997

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	6.2	2.8	ug/L	EPA 350.1
Benzene	2.2	1.0	ug/L	EPA 8260B
Iron - Total	51000	300	ug/L	EPA 6010C
Total Dissolved Solids	590	500	mg/L	SM 2540C-1997

MW-6

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

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Iron - Total	2110	300	ug/L	EPA 6010C
Total Dissolved Solids	530	500	mg/L	SM 2540C-1997

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	5.0	2.8	ug/L	EPA 350.1
Iron - Total	16700	300	ug/L	EPA 6010C
Total Dissolved Solids	710	500	mg/L	SM 2540C-1997

MW-9S

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	590	500	mg/L	SM 2540C-1997

CONCLUSION

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

High levels of iron were still noted in monitoring wells MW-1, MW-5, MW-7 and MW-8. The concentration levels in these wells were higher than the previous sampling event. The various levels are likely the result of the increased rainfall in recent months. Although these items may be the result of steel disposal, significant portions of Marion County are known for having iron in the water.

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

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

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

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.

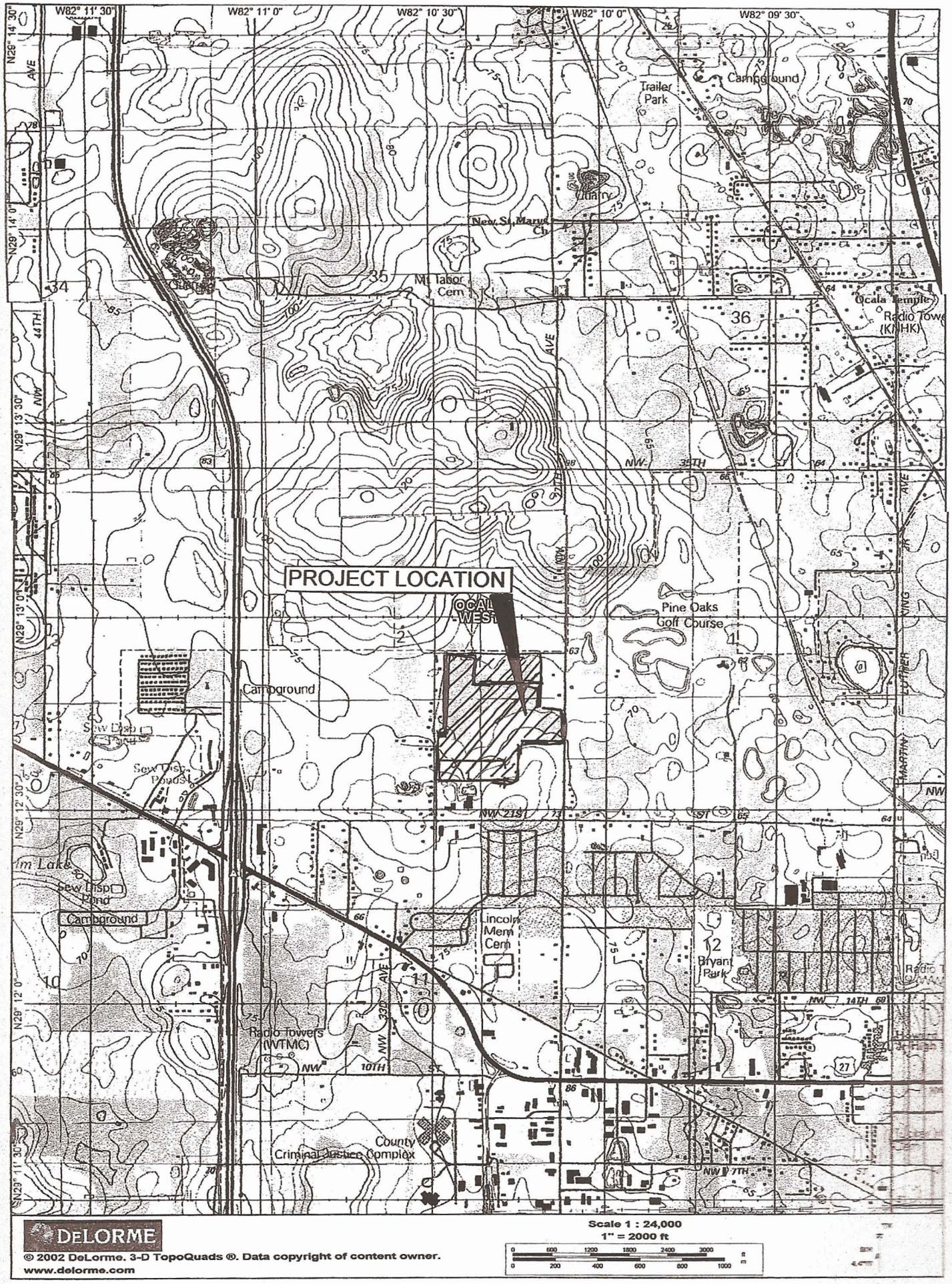
Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

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

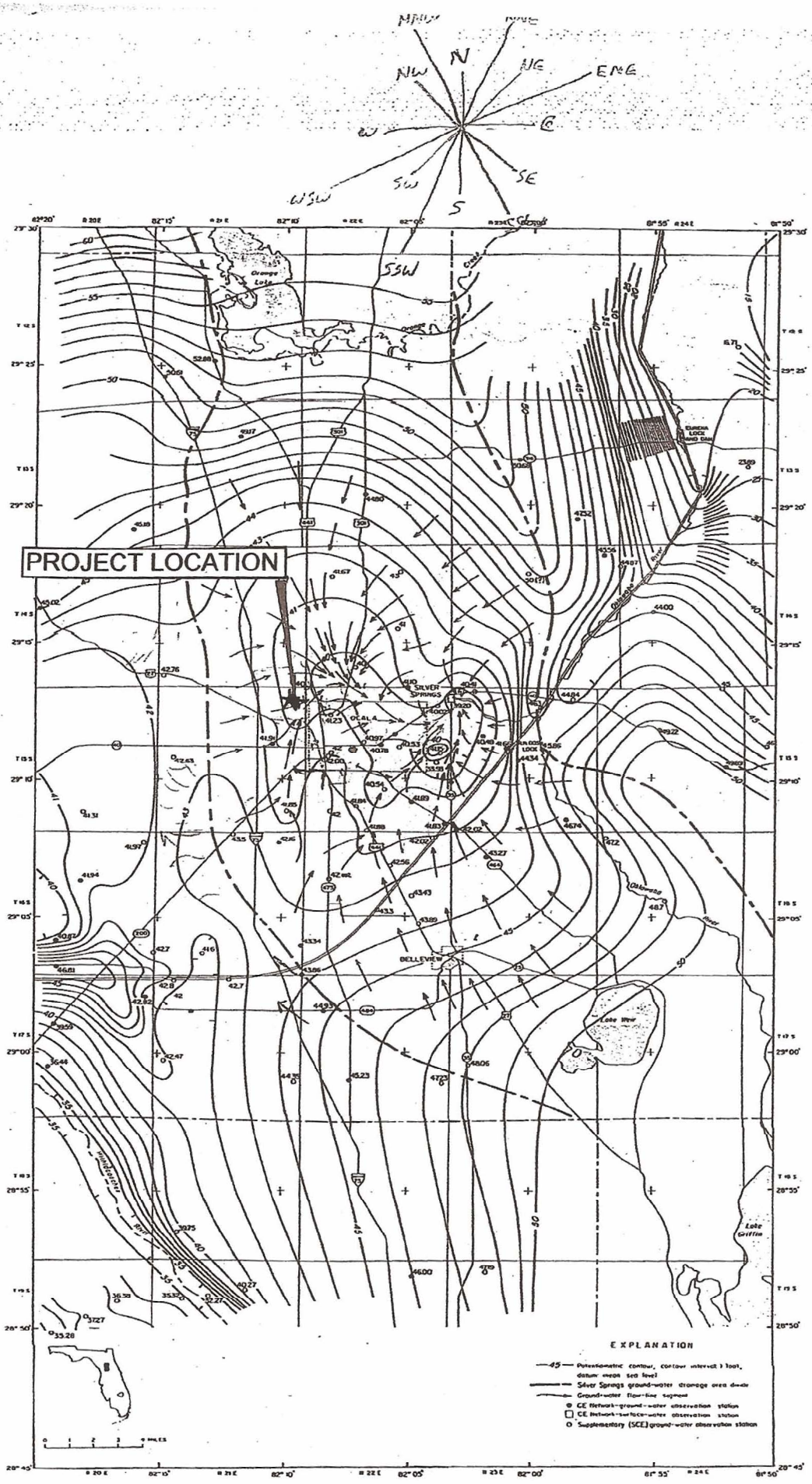


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

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.

8/5/2014 Robert M. Couch III

Date 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

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

WACS Facility: 21012 Friends Recycling Facility

August 5, 2014

GROUNDWATER								
Well No.	**WACS No.**	**Latitude**	**Longitude**	**Ground Surface Elevation**	**Top of Casing (TOC) Elevation**	**Total Well Depth (7/18/2014)**	**Depth to Water (7/18/2014)**	**Water Table Elevation (7/18/2014)**
MW-1	18811	29d 12' 44.009" N	82d 10' 12.150" W	72.57	74.66	43.45	30.64	44.02
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	44.06	43.95
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	33.93	44.12
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.60	44.77	43.90
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	27.23	43.94
MW-9S	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	24.95	43.69

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

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:	07 / 18 / 14

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	30.64	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 – 30.64 feet) X .16 gallons/foot = 2.05 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31.50	31.50	1022	1034	4.80

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)
1028	2.40	2.40	.40	30.80	6.41	24.20	2,029	.11	12.00	Clear	None
1031	1.20	3.60	.40	30.80	6.40	24.23	1995	.14	8.70	Clear	None
1034	1.20	4.80	.40	30.80	6.40	24.20	1,970	.11	6.80	Clear	None

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.		1034	1038

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	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					
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-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 = 30.64 Reference Elevation = 74.66 GWTE = 44.02 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling	SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: **MW-5**	WACS_WELL: 22912	DATE: 07 / 18 / 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): 44.06	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 – 44.06 feet) X .16 gallons/foot = 3.74 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): 45.00	PURGING INITIATED AT: 1218	PURGING ENDED AT: 1235	TOTAL VOLUME PURGED (gallons): 5.95

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)
1229	3.85	3.85	.35	44.08	6.22	26.01	1,534	.15	2.00	Clear	None
1232	1.05	4.90	.35	44.08	6.22	25.91	1,535	.11	1.90	Clear	None
1235	1.05	5.95	.35	44.08	6.22	25.95	1,535	.10	1.70	Clear	None

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

PURGING EQUIPMENT CODES: **B** = 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: 1235	SAMPLING ENDED AT: 1239
PUMP OR TUBING DEPTH IN WELL (feet): 45.00	TUBING MATERIAL CODE: PE	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					
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: slowed pump to sample sheen

DTW = 44.06 Reference Elevation = 88.01 GWTE = 43.95 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: **MW-6**	WACS_WELL: 22913	DATE:	07 / 18 / 14

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	40 feet to 50 feet	33.93	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 – 33.93 feet) X .16 gallons/foot = 3.07 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
35.00	35.00	1118	1128	10.00

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)
1122	4.00	4.00	1.00	34.96	6.59	23.31	733	1.44	17.30	Clear	None
1125	3.00	7.00	1.00	34.96	6.52	23.27	743	1.29	16.80	Clear	None
1128	3.00	10.00	1.00	34.96	6.46	23.34	753	1.21	9.80	Clear	None

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		1128	1132

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

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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 = 33.93 Reference Elevation = 78.05 GWTE = 44.12 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling	SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: **MW-7**	WACS_WELL: 22914	DATE: 07 / 18 / 14

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 41 feet to 51 feet	STATIC DEPTH TO WATER (feet): 44.77	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 – 44.77 feet) X .16 gallons/foot = 1.45 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): 45.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46.50	PURGING INITIATED AT: 1251	PURGING ENDED AT: 1305	TOTAL VOLUME PURGED (gallons): 2.80

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)
1259	1.40	1.60	.20	45.75	6.26	25.24	909	.91	3.10	Clear	None
1302	.40	2.20	.20	45.75	6.27	25.32	904	.87	3.00	Clear	None
1305	.60	2.80	.20	45.75	6.32	25.35	911	.81	2.10	Clear	None

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1305	SAMPLING ENDED AT: 1309
PUMP OR TUBING DEPTH IN WELL (feet): 46.50	TUBING MATERIAL CODE: PE	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					
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	≈ 757
MW-7	1	PE	250mL	H_2SO_4	None	< 2	Ammonia (350.1)	ESP	≈ 757
MW-7	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 757

REMARKS:

DTW = 44.77 Reference Elevation = 88.67 GWTE = 43.90 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: **MW-8**	WACS_WELL: 22915	DATE:	07 / 18 / 14

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	20 feet to 30 feet	27.23	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 – 27.23 feet) X .16 gallons/foot = 1.12 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):
28.00	28.00	1150	1201	2.75

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)
1155	1.25	1.25	.25	27.33	6.34	25.17	1,243	.12	5.00	Clear	None
1158	.75	2.00	.25	27.33	6.30	25.19	1,247	.14	5.80	Clear	None
1201	.75	2.75	.25	27.33	6.29	25.21	1,250	.12	6.70	Clear	None

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

PURGING EQUIPMENT CODES: **B** = 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.		1201	1206
PUMP OR TUBING DEPTH IN WELL (feet): 28.00	TUBING MATERIAL CODE: PE	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					
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	≈ 946
MW-8	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 946
MW-8	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 946

REMARKS:

DTW = 27.23 Reference Elevation = 71.17 GWTE = 43.94 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Friends Recycling	SITE LOCATION:	Marion County, Florida
MONITORING_SITE_NUM: **MW-9S**	WACS_WELL: 22916	DATE:	07 / 18 / 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): 24.95	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.80 feet – 24.95 feet) X .16 gallons/foot = 1.26 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): 26.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.06	PURGING INITIATED AT: 0944	PURGING ENDED AT: 0955	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)
0949	3.00	3.00	.60	25.08	6.54	22.82	953	.20	2.70	slight tan	none
0952	1.80	4.80	.60	25.09	6.50	22.80	954	.20	2.10	clear	none
0955	1.80	6.60	.60	25.08	6.47	22.79	955	.20	1.40	clear	none

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0955	SAMPLING ENDED AT: 1001
PUMP OR TUBING DEPTH IN WELL (feet): 26.00	TUBING MATERIAL CODE: PE	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					
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-9S	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-9S	1	PE	250mL	HNO_3	None	<2	Metals	ESP	≈ 227
MW-9S	1	PE	250mL	H_2SO_4	None	<2	Ammonia (350.1)	ESP	≈ 227
MW-9S	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 227

REMARKS:

DTW MW-9D = 24.87

DTW = 24.95 Reference Elevation = 68.64 GWTE = 43.69 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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)

Revision Date: February 12, 2009

CALIBRATION LOG

ITS Work Order Number: FRL-12-071814

CLIENT: Friends Recycling

ADDRESS: 2350 NW 27th Ave.

CITY, STATE: Ocala, Fl 34475

Site: Friends Recycling C&D Landfill

START CAL DATE @ TIME: 07/18/14 @ 0730

END CALIBRATION DATE @ TIME: 07/18/14 @ 1330

YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 5.26

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

Standard	METER READING INITIAL	METER READING CCV	VERIFY @ START	LOT NUMBER	EXP DATE
4.005	4.00	3.99	—	cc218591	Nov-15
7.000	7.00	7.01	7.00	cc219589	Dec-15
10.012	10.01	10.00	—	cc212368	Nov-15

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

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

STANDARD (ppm)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
0.00	.18	.17	4AC373	Mar-15
fresh air @				
23.21 °C	8.56			
27.11 °C		7.97		

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

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

STANDARD (mV)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
200	NM	NM	4AD362	Jan-15
400	NM	NM	4AB414	Feb-15

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

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 S/N 804099 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 2)

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

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

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

STANDARD (ERTCO Thermometer)	YSI METER TEMP READING LOW	YSI METER TEMP READING HIGH	LOT NUMBER	DATE PERFORMED (Quarterly)
LOW 5.10	5.13		NA	06/02/14
HIGH 30.00		30.03		06/02/14

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

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

STANDARD µmhos	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
8,974	NM	NM	4AC065	Mar-15
2,764	2764	2773	3AK229	Nov-14
447	NM	NM	3AD497	Apr-14
84	84	84	4AA431	Jan-15

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

HACH POCKET COLORIMETER II S/N 06070D052733

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

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

Remarks:

Weather Conditions: Sunny 90-95° F

Equipment Blank with D.I. water

Zephyrhills brand Lot #050114121WF2332202

Exp Date 11/30/15

Equipment Blank Data - Collected @ none collected

pH = — Cond = —

Temp = — D.O. = —

Turbidity = —

Notes: **NA** - Not Applicable, **NM** - Not Measured, **CCV** - Continuing Calibration Verification Form Rev 5.26 on 06/02/14: Update for new standard (s)

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

COPY TO: Nick Giumarelli

SIGNED: Karen LeBeau

Chris Monaco or Karen LeBeau

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

www.encolabs.com

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: A403934

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Arom/Halo	Al,As,Cd,Cr,Fe,Na,Pb, Hg	Ammonia 350.1	Chloride 300,Nitrate as N 300,Sulfate 300, TDS SM2540C							Sample Comments
							Preservation (See Codes) (Combine as necessary)										
							H	N	S	I							
	MW-9S	7/18/14	1201	Grab	GW	6	3	1	1	1							
	MW-1	7/18/14	1038	Grab	GW	6	3	1	1	1							
	MW-6	7/18/14	1132	Grab	GW	6	3	1	1	1							
	MW-8	7/18/14	1200	Grab	GW	6	3	1	1	1							
	MW-5	7/18/14	1239	Grab	GW	6	3	1	1	1							
	MW-7	7/18/14	1309	Grab	GW	6	3	1	1	1							

<-- Total # of Containers

Sample Kit Prepared By: KJC / Date/Time: 7/14/2014 1300	Relinquished By: Rebecca Collins / Date/Time: 7/14/2014 1300	Received By: [signature] / Date/Time: 7/15/14 1130	
Comments/Special Reporting Requirements: KJC	Relinquished By: [signature] / Date/Time: 7/19/14 1722	Received By: Rebecca Collins / Date/Time: 7/18/2014 1722	
	Relinquished By: / Date/Time:	Received By: / Date/Time:	
	Cooler #'s & Temps on Receipt:	Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENCO Laboratories
Accurate. Timely. Responsive. Innovative.

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

Thursday, July 31, 2014
Friends Recycling (FR008)
Attn: Nick Giumarelli
2350 NW 27th Avenue
Ocala, FL 34475

RE: Laboratory Results for
Project Number: 21012, Project Name/Desc: FRIENDS RECYCLING FORMERLY OCALA RECYCLING
ENCO Workorder(s): A403934

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, July 18, 2014.

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

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

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

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

Sincerely,

Marcia Colon

Project Manager

Enclosure(s)

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-9S **Lab ID: A403934-01** **Sampled: 07/18/14 10:01** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/20/14	10:01			07/18/14	17:30	07/18/14	19:38
EPA 300.0	08/15/14				07/18/14	17:30	07/18/14	19:38
EPA 350.1	08/15/14				07/25/14	10:23	07/25/14	12:26
EPA 6020A	01/14/15				07/21/14	11:06	07/22/14	12:04
EPA 7470A	08/15/14				07/22/14	13:51	07/23/14	08:25
EPA 8260B	08/01/14				07/29/14	00:00	07/29/14	17:56
Field	07/18/14	10:15			07/18/14	10:01	07/18/14	10:01
Field	07/19/14	10:01	07/19/14	10:01	07/18/14	10:01	07/18/14	10:01
Field	07/20/14	10:01			07/18/14	10:01	07/18/14	10:01
SM 2540C-1997	07/25/14				07/23/14	16:20	07/24/14	21:33

Client ID: MW-1 **Lab ID: A403934-02** **Sampled: 07/18/14 10:38** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/20/14	10:38			07/18/14	17:30	07/18/14	20:22
EPA 300.0	08/15/14				07/18/14	17:30	07/18/14	20:22
EPA 350.1	08/15/14				07/25/14	10:23	07/25/14	13:05
EPA 6020A	01/14/15				07/21/14	11:06	07/22/14	12:27
EPA 7470A	08/15/14				07/22/14	13:51	07/23/14	08:45
Field	07/18/14	10:52			07/18/14	10:38	07/18/14	10:38
Field	07/19/14	10:38	07/19/14	10:38	07/18/14	10:38	07/18/14	10:38
Field	07/20/14	10:38			07/18/14	10:38	07/18/14	10:38
SM 2540C-1997	07/25/14				07/23/14	16:20	07/24/14	21:33

Client ID: MW-1 **Lab ID: A403934-02RE1** **Sampled: 07/18/14 10:38** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6020A	01/14/15		07/21/14	11:06	07/22/14	12:08
EPA 8260B	08/01/14		07/30/14	00:00	07/30/14	12:19

Client ID: MW-1 **Lab ID: A403934-02RE2** **Sampled: 07/18/14 10:38** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	08/15/14		07/24/14	08:04	07/24/14	11:55

Client ID: MW-6 **Lab ID: A403934-03** **Sampled: 07/18/14 11:32** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/20/14	11:32			07/18/14	17:30	07/18/14	20:51
EPA 300.0	08/15/14				07/18/14	17:30	07/18/14	20:51
EPA 350.1	08/15/14				07/25/14	10:23	07/25/14	12:28
EPA 6020A	01/14/15				07/21/14	11:06	07/22/14	12:31
EPA 7470A	08/15/14				07/22/14	13:51	07/23/14	08:54
EPA 8260B	08/01/14				07/29/14	00:00	07/29/14	18:54
Field	07/18/14	11:46			07/18/14	11:32	07/18/14	11:32
Field	07/19/14	11:32	07/19/14	11:32	07/18/14	11:32	07/18/14	11:32
Field	07/20/14	11:32			07/18/14	11:32	07/18/14	11:32
SM 2540C-1997	07/25/14				07/23/14	16:20	07/24/14	21:33

Client ID: MW-8 **Lab ID: A403934-04** **Sampled: 07/18/14 12:06** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	07/20/14	12:06			07/18/14	17:30	07/18/14	21:06
EPA 300.0	08/15/14				07/18/14	17:30	07/18/14	21:06
EPA 6020A	01/14/15				07/21/14	11:06	07/22/14	12:35
EPA 7470A	08/15/14				07/22/14	13:51	07/23/14	08:58
EPA 8260B	08/01/14				07/29/14	00:00	07/29/14	19:23
Field	07/18/14	12:20			07/18/14	12:06	07/18/14	12:06
Field	07/19/14	12:06	07/19/14	12:06	07/18/14	12:06	07/18/14	12:06
Field	07/20/14	12:06			07/18/14	12:06	07/18/14	12:06
SM 2540C-1997	07/25/14				07/23/14	16:20	07/24/14	21:33

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-8 **Lab ID: A403934-04RE1** **Sampled: 07/18/14 12:06** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 350.1	08/15/14	07/30/14 08:09	07/30/14 10:02
EPA 6020A	01/14/15	07/21/14 11:06	07/22/14 12:39

Client ID: MW-5 **Lab ID: A403934-05** **Sampled: 07/18/14 12:39** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	07/20/14 12:39	07/18/14 17:30	07/18/14 21:35
EPA 300.0	08/15/14	07/18/14 17:30	07/18/14 21:35
EPA 350.1	08/15/14	07/25/14 10:23	07/25/14 13:07
EPA 6020A	01/14/15	07/21/14 11:06	07/22/14 12:42
EPA 7470A	08/15/14	07/22/14 13:51	07/23/14 09:01
EPA 8260B	08/01/14	07/29/14 00:00	07/29/14 19:53
Field	07/18/14 12:53	07/18/14 12:39	07/18/14 12:39
Field	07/19/14 12:39 07/19/14 12:39	07/18/14 12:39	07/18/14 12:39
Field	07/20/14 12:39	07/18/14 12:39	07/18/14 12:39
SM 2540C-1997	07/25/14	07/23/14 16:20	07/24/14 21:33

Client ID: MW-5 **Lab ID: A403934-05RE1** **Sampled: 07/18/14 12:39** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6020A	01/14/15	07/21/14 11:06	07/22/14 12:46
EPA 8260B	08/01/14	07/30/14 00:00	07/30/14 12:48

Client ID: MW-7 **Lab ID: A403934-06** **Sampled: 07/18/14 13:09** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	07/20/14 13:09	07/18/14 17:30	07/18/14 22:04
EPA 300.0	08/15/14	07/18/14 17:30	07/18/14 22:04
EPA 350.1	08/15/14	07/25/14 10:23	07/25/14 12:34
EPA 6020A	01/14/15	07/21/14 11:06	07/22/14 12:50
EPA 7470A	08/15/14	07/22/14 13:51	07/23/14 09:04
EPA 8260B	08/01/14	07/29/14 00:00	07/29/14 20:22
Field	07/18/14 13:23	07/18/14 13:09	07/18/14 13:09
Field	07/19/14 13:09 07/19/14 13:09	07/18/14 13:09	07/18/14 13:09
Field	07/20/14 13:09	07/18/14 13:09	07/18/14 13:09
SM 2540C-1997	07/25/14	07/23/14 16:20	07/24/14 21:33

Client ID: TRIP BLANK **Lab ID: A403934-07** **Sampled: 07/18/14 00:00** **Received: 07/18/14 17:22**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	08/01/14	07/29/14 00:00	07/29/14 20:51

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SAMPLE DETECTION SUMMARY

Client ID: MW-9S **Lab ID: A403934-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	17		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.20		0.00	0.00	mg/L	Field	
Mercury - Total	0.0454	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	1.1		0.052	1.0	mg/L	EPA 300.0	
pH	6.47				pH Units	Field	
Sodium - Total	11.3		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	955		0	0	umhos/cm	Field	
Sulfate	89		0.07	5.0	mg/L	EPA 300.0	
Temperature	22.79		0.00	0.00	°C	Field	
Total Dissolved Solids	590		10	10	mg/L	SM 2540C-1997	
Turbidity	1.40		0.00	0.00	NTU	Field	
Water Elevation	24.87				Ft	Field	

Client ID: MW-1 **Lab ID: A403934-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	3.3		0.015	0.040	mg/L	EPA 350.1	
Arsenic - Total	12.1		6.10	10.0	ug/L	EPA 6020A	
Chloride	18		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.11		0.00	0.00	mg/L	Field	
Mercury - Total	0.0355	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.40				pH Units	Field	
Sodium - Total	39.9		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1970		0	0	umhos/cm	Field	
Temperature	24.20		0.00	0.00	°C	Field	
Total Dissolved Solids	1400		10	10	mg/L	SM 2540C-1997	
Turbidity	6.80		0.00	0.00	NTU	Field	
Water Elevation	44.02				Ft	Field	

Client ID: MW-1 **Lab ID: A403934-02RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	12900		380	500	ug/L	EPA 6020A	
Methylene chloride	2.0		0.71	2.0	ug/L	EPA 8260B	O-01

Client ID: MW-1 **Lab ID: A403934-02RE2**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	560		0.66	50	mg/L	EPA 300.0	

Client ID: MW-6 **Lab ID: A403934-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	1.3	I	0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	1.21		0.00	0.00	mg/L	Field	
Methylene chloride	0.71	I	0.71	2.0	ug/L	EPA 8260B	O-01
Nitrate as N	0.46	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.46				pH Units	Field	
Sodium - Total	2.42		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	753		0	0	umhos/cm	Field	
Sulfate	9.7		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.34		0.00	0.00	°C	Field	
Total Dissolved Solids	450		10	10	mg/L	SM 2540C-1997	
Turbidity	9.80		0.00	0.00	NTU	Field	
Water Elevation	44.12				Ft	Field	

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SAMPLE DETECTION SUMMARY

Client ID: MW-8 **Lab ID: A403934-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	35		0.29	5.0	mg/L	EPA 300.0	
cis-1,2-Dichloroethene	0.70	I	0.53	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.12		0.00	0.00	mg/L	Field	
pH	6.29				pH Units	Field	
Sodium - Total	31.1		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1250		0	0	umhos/cm	Field	
Sulfate	3.9	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	25.21		0.00	0.00	°C	Field	
Total Dissolved Solids	710		10	10	mg/L	SM 2540C-1997	
Turbidity	6.70		0.00	0.00	NTU	Field	
Water Elevation	43.94				Ft	Field	

Client ID: MW-8 **Lab ID: A403934-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	5.0		0.036	0.10	mg/L	EPA 350.1	
Iron - Total	16700		380	500	ug/L	EPA 6020A	

Client ID: MW-5 **Lab ID: A403934-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	6.2		0.036	0.10	mg/L	EPA 350.1	
Chloride	16		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.10		0.00	0.00	mg/L	Field	
o-Xylene	1.0		0.53	1.0	ug/L	EPA 8260B	
pH	6.22				pH Units	Field	
Sodium - Total	8.07		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1535		0	0	umhos/cm	Field	
Sulfate	0.82	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	25.95		0.00	0.00	°C	Field	
Toluene	0.81	I	0.72	1.0	ug/L	EPA 8260B	
Total Dissolved Solids	790		10	10	mg/L	SM 2540C-1997	
Turbidity	1.70		0.00	0.00	NTU	Field	
Water Elevation	43.95				Ft	Field	
Xylenes (Total)	2.0		1.3	2.0	ug/L	EPA 8260B	

Client ID: MW-5 **Lab ID: A403934-05RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Benzene	2.2		0.71	1.0	ug/L	EPA 8260B	
Iron - Total	51000		380	500	ug/L	EPA 6020A	

Client ID: MW-7 **Lab ID: A403934-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.055		0.0073	0.020	mg/L	EPA 350.1	
Chloride	6.4		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.81		0.00	0.00	mg/L	Field	
Iron - Total	2110		38.0	50.0	ug/L	EPA 6020A	
Mercury - Total	0.0374	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	1.5		0.052	1.0	mg/L	EPA 300.0	
pH	6.32				pH Units	Field	
Sodium - Total	9.79		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	911		0	0	umhos/cm	Field	
Sulfate	38		0.07	5.0	mg/L	EPA 300.0	
Temperature	25.35		0.00	0.00	°C	Field	
Total Dissolved Solids	530		10	10	mg/L	SM 2540C-1997	
Turbidity	2.10		0.00	0.00	NTU	Field	
Water Elevation	43.90				Ft	Field	

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ANALYTICAL RESULTS

Description: MW-9S
Matrix: Ground Water
Project: FRIENDS RECYCLING FORMERLY OCALA RECYCLING

Lab Sample ID: A403934-01
Sampled: 07/18/14 10:01
Sampled By: Chris Monaco

Received: 07/18/14 17:22
Work Order: A403934

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	4G29018	EPA 8260B	07/29/14 17:56	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	QV-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 17:56	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*67*	*1*	*50.0*	*134 %*	*41-142*	*4G29018*	*EPA 8260B*	*07/29/14 17:56*	*JFL*	
Dibromofluoromethane	*67*	*1*	*50.0*	*134 %*	*53-146*	*4G29018*	*EPA 8260B*	*07/29/14 17:56*	*JFL*	
Toluene-d8	*69*	*1*	*50.0*	*137 %*	*41-146*	*4G29018*	*EPA 8260B*	*07/29/14 17:56*	*JFL*	

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ANALYTICAL RESULTS

Description: MW-9S | **Lab Sample ID:** A403934-01 | **Received:** 07/18/14 17:22

Matrix: Ground Water | **Sampled:** 07/18/14 10:01 | **Work Order:** A403934

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]^	**0.0454**	I	ug/L	1	0.0230	0.200	4G18014	EPA 7470A	07/23/14 08:25	JAY	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	4G18015	EPA 6020A	07/22/14 12:04	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4G18015	EPA 6020A	07/22/14 12:04	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	4G18015	EPA 6020A	07/22/14 12:04	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	4G18015	EPA 6020A	07/22/14 12:04	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	4G18015	EPA 6020A	07/22/14 12:04	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	4G18015	EPA 6020A	07/22/14 12:04	JMA	
Sodium [7440-23-5]^	**11.3**		mg/L	1	0.320	1.00	4G18015	EPA 6020A	07/22/14 12:04	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0073	U	mg/L	1	0.0073	0.020	4G25011	EPA 350.1	07/25/14 12:26	KGonz	
Chloride [16887-00-6]^	**17**		mg/L	1	0.29	5.0	4G18020	EPA 300.0	07/18/14 19:38	RAlfo	
Nitrate as N [14797-55-8]^	**1.1**		mg/L	1	0.052	1.0	4G18020	EPA 300.0	07/18/14 19:38	RAlfo	
Sulfate [14808-79-8]^	**89**		mg/L	1	0.07	5.0	4G18020	EPA 300.0	07/18/14 19:38	RAlfo	
Total Dissolved Solids [ECL-0156]^	**590**		mg/L	1	10	10	4G23043	SM 2540C-1997	07/24/14 21:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	**0.20**		mg/L	1	0.00	0.00	4G23030	Field	07/18/14 10:01	MCC	
pH [ECL-0062]	**6.47**		pH Units	1			4G23030	Field	07/18/14 10:01	MCC	
Specific Conductance (EC) [ECL-0146]	**955**		umhos/cm	1	0	0	4G23030	Field	07/18/14 10:01	MCC	
Temperature [ECL-0151]	**22.79**		°C	1	0.00	0.00	4G23030	Field	07/18/14 10:01	MCC	
Turbidity [ECL-0177]	**1.40**		NTU	1	0.00	0.00	4G23030	Field	07/18/14 10:01	MCC	
Water Elevation [ECL-0180]	**24.87**		Ft	1			4G23030	Field	07/18/14 10:01	MCC	

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ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** A403934-02 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 10:38 **Work Order:** A403934

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	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Methylene chloride [75-09-2]^	**2.0**		ug/L	1	0.71	2.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	QV-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4G30026	EPA 8260B	07/30/14 12:19	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*109 %*	*41-142*	*4G30026*	*EPA 8260B*	*07/30/14 12:19*	*JFL*	
Dibromofluoromethane	*55*	*1*	*50.0*	*109 %*	*53-146*	*4G30026*	*EPA 8260B*	*07/30/14 12:19*	*JFL*	
Toluene-d8	*55*	*1*	*50.0*	*110 %*	*41-146*	*4G30026*	*EPA 8260B*	*07/30/14 12:19*	*JFL*	

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ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** A403934-02 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 10:38 **Work Order:** A403934

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]^	**0.0355**	I	ug/L	1	0.0230	0.200	4G18014	EPA 7470A	07/23/14 08:45	JAY	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	4G18015	EPA 6020A	07/22/14 12:27	JMA	
Arsenic [7440-38-2]^	**12.1**		ug/L	1	6.10	10.0	4G18015	EPA 6020A	07/22/14 12:27	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	4G18015	EPA 6020A	07/22/14 12:27	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	4G18015	EPA 6020A	07/22/14 12:27	JMA	
Iron [7439-89-6]^	**12900**		ug/L	10	380	500	4G18015	EPA 6020A	07/22/14 12:08	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	4G18015	EPA 6020A	07/22/14 12:27	JMA	
Sodium [7440-23-5]^	**39.9**		mg/L	1	0.320	1.00	4G18015	EPA 6020A	07/22/14 12:27	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**3.3**		mg/L	2	0.015	0.040	4G25011	EPA 350.1	07/25/14 13:05	KGonz	
Chloride [16887-00-6]^	**18**		mg/L	1	0.29	5.0	4G18020	EPA 300.0	07/18/14 20:22	RAlfo	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4G18020	EPA 300.0	07/18/14 20:22	RAlfo	
Sulfate [14808-79-8]^	**560**		mg/L	10	0.66	50	4G24002	EPA 300.0	07/24/14 11:55	RAlfo	
Total Dissolved Solids [ECL-0156]^	**1400**		mg/L	1	10	10	4G23043	SM 2540C-1997	07/24/14 21:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	**0.11**		mg/L	1	0.00	0.00	4G23030	Field	07/18/14 10:38	MCC	
pH [ECL-0062]	**6.40**		pH Units	1			4G23030	Field	07/18/14 10:38	MCC	
Specific Conductance (EC) [ECL-0146]	**1970**		umhos/cm	1	0	0	4G23030	Field	07/18/14 10:38	MCC	
Temperature [ECL-0151]	**24.20**		°C	1	0.00	0.00	4G23030	Field	07/18/14 10:38	MCC	
Turbidity [ECL-0177]	**6.80**		NTU	1	0.00	0.00	4G23030	Field	07/18/14 10:38	MCC	
Water Elevation [ECL-0180]	**44.02**		Ft	1			4G23030	Field	07/18/14 10:38	MCC	

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ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** A403934-03 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 11:32 **Work Order:** A403934

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	4G29018	EPA 8260B	07/29/14 18:54	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Methylene chloride [75-09-2]^	**0.71**	I	ug/L	1	0.71	2.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	QV-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 18:54	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*70*	*1*	*50.0*	*139 %*	*41-142*	*4G29018*	*EPA 8260B*	*07/29/14 18:54*	*JFL*	
Dibromofluoromethane	*69*	*1*	*50.0*	*137 %*	*53-146*	*4G29018*	*EPA 8260B*	*07/29/14 18:54*	*JFL*	
Toluene-d8	*70*	*1*	*50.0*	*140 %*	*41-146*	*4G29018*	*EPA 8260B*	*07/29/14 18:54*	*JFL*	

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ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** A403934-03 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 11:32 **Work Order:** A403934

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	4G18014	EPA 7470A	07/23/14 08:54	JAY	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	4G18015	EPA 6020A	07/22/14 12:31	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4G18015	EPA 6020A	07/22/14 12:31	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	4G18015	EPA 6020A	07/22/14 12:31	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	4G18015	EPA 6020A	07/22/14 12:31	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	4G18015	EPA 6020A	07/22/14 12:31	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	4G18015	EPA 6020A	07/22/14 12:31	JMA	
Sodium [7440-23-5]^	**2.42**		mg/L	1	0.320	1.00	4G18015	EPA 6020A	07/22/14 12:31	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0073	U	mg/L	1	0.0073	0.020	4G25011	EPA 350.1	07/25/14 12:28	KGonz	
Chloride [16887-00-6]^	**1.3**	I	mg/L	1	0.29	5.0	4G18020	EPA 300.0	07/18/14 20:51	RAlfo	
Nitrate as N [14797-55-8]^	**0.46**	I	mg/L	1	0.052	1.0	4G18020	EPA 300.0	07/18/14 20:51	RAlfo	
Sulfate [14808-79-8]^	**9.7**		mg/L	1	0.07	5.0	4G18020	EPA 300.0	07/18/14 20:51	RAlfo	
Total Dissolved Solids [ECL-0156]^	**450**		mg/L	1	10	10	4G23043	SM 2540C-1997	07/24/14 21:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	**1.21**		mg/L	1	0.00	0.00	4G23030	Field	07/18/14 11:32	MCC	
pH [ECL-0062]	**6.46**		pH Units	1			4G23030	Field	07/18/14 11:32	MCC	
Specific Conductance (EC) [ECL-0146]	**753**		umhos/cm	1	0	0	4G23030	Field	07/18/14 11:32	MCC	
Temperature [ECL-0151]	**23.34**		°C	1	0.00	0.00	4G23030	Field	07/18/14 11:32	MCC	
Turbidity [ECL-0177]	**9.80**		NTU	1	0.00	0.00	4G23030	Field	07/18/14 11:32	MCC	
Water Elevation [ECL-0180]	**44.12**		Ft	1			4G23030	Field	07/18/14 11:32	MCC	

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ANALYTICAL RESULTS

Description: MW-8 **Lab Sample ID:** A403934-04 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 12:06 **Work Order:** A403934

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	4G29018	EPA 8260B	07/29/14 19:23	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	**0.70**	I	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	QV-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 19:23	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*41-142*	*4G29018*	*EPA 8260B*	*07/29/14 19:23*	*JFL*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*53-146*	*4G29018*	*EPA 8260B*	*07/29/14 19:23*	*JFL*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*41-146*	*4G29018*	*EPA 8260B*	*07/29/14 19:23*	*JFL*	

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ANALYTICAL RESULTS

Description: MW-8 **Lab Sample ID:** A403934-04 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 12:06 **Work Order:** A403934

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	4G18014	EPA 7470A	07/23/14 08:58	JAY	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	4G18015	EPA 6020A	07/22/14 12:35	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4G18015	EPA 6020A	07/22/14 12:35	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	4G18015	EPA 6020A	07/22/14 12:35	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	4G18015	EPA 6020A	07/22/14 12:35	JMA	
Iron [7439-89-6]^	**16700**		ug/L	10	380	500	4G18015	EPA 6020A	07/22/14 12:39	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	4G18015	EPA 6020A	07/22/14 12:35	JMA	
Sodium [7440-23-5]^	**31.1**		mg/L	1	0.320	1.00	4G18015	EPA 6020A	07/22/14 12:35	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**5.0**		mg/L	5	0.036	0.10	4G30007	EPA 350.1	07/30/14 10:02	KGonz	
Chloride [16887-00-6]^	**35**		mg/L	1	0.29	5.0	4G18020	EPA 300.0	07/18/14 21:06	RAlfo	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4G18020	EPA 300.0	07/18/14 21:06	RAlfo	
Sulfate [14808-79-8]^	**3.9**	I	mg/L	1	0.07	5.0	4G18020	EPA 300.0	07/18/14 21:06	RAlfo	
Total Dissolved Solids [ECL-0156]^	**710**		mg/L	1	10	10	4G23043	SM 2540C-1997	07/24/14 21:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	**0.12**		mg/L	1	0.00	0.00	4G23030	Field	07/18/14 12:06	MCC	
pH [ECL-0062]	**6.29**		pH Units	1			4G23030	Field	07/18/14 12:06	MCC	
Specific Conductance (EC) [ECL-0146]	**1250**		umhos/cm	1	0	0	4G23030	Field	07/18/14 12:06	MCC	
Temperature [ECL-0151]	**25.21**		°C	1	0.00	0.00	4G23030	Field	07/18/14 12:06	MCC	
Turbidity [ECL-0177]	**6.70**		NTU	1	0.00	0.00	4G23030	Field	07/18/14 12:06	MCC	
Water Elevation [ECL-0180]	**43.94**		Ft	1			4G23030	Field	07/18/14 12:06	MCC	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

ANALYTICAL RESULTS

Description: MW-5 **Lab Sample ID:** A403934-05 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 12:39 **Work Order:** A403934

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	4G29018	EPA 8260B	07/29/14 19:53	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Benzene [71-43-2]^	**2.2**		ug/L	1	0.71	1.0	4G30026	EPA 8260B	07/30/14 12:48	JFL	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
o-Xylene [95-47-6]^	**1.0**		ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Toluene [108-88-3]^	**0.81**	I	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	QV-02
Xylenes (Total) [1330-20-7]^	**2.0**		ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 19:53	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*41-142*	*4G29018*	*EPA 8260B*	*07/29/14 19:53*	*JFL*	
4-Bromofluorobenzene	*70*	*1*	*50.0*	*139 %*	*41-142*	*4G30026*	*EPA 8260B*	*07/30/14 12:48*	*JFL*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*53-146*	*4G29018*	*EPA 8260B*	*07/29/14 19:53*	*JFL*	
Dibromofluoromethane	*68*	*1*	*50.0*	*137 %*	*53-146*	*4G30026*	*EPA 8260B*	*07/30/14 12:48*	*JFL*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*41-146*	*4G29018*	*EPA 8260B*	*07/29/14 19:53*	*JFL*	
Toluene-d8	*70*	*1*	*50.0*	*141 %*	*41-146*	*4G30026*	*EPA 8260B*	*07/30/14 12:48*	*JFL*	

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ANALYTICAL RESULTS

Description: MW-5 **Lab Sample ID:** A403934-05 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 12:39 **Work Order:** A403934

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	4G18014	EPA 7470A	07/23/14 09:01	JAY	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	4G18015	EPA 6020A	07/22/14 12:42	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4G18015	EPA 6020A	07/22/14 12:42	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	4G18015	EPA 6020A	07/22/14 12:42	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	4G18015	EPA 6020A	07/22/14 12:42	JMA	
Iron [7439-89-6]^	**51000**		ug/L	10	380	500	4G18015	EPA 6020A	07/22/14 12:46	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	4G18015	EPA 6020A	07/22/14 12:42	JMA	
Sodium [7440-23-5]^	**8.07**		mg/L	1	0.320	1.00	4G18015	EPA 6020A	07/22/14 12:42	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**6.2**		mg/L	5	0.036	0.10	4G25011	EPA 350.1	07/25/14 13:07	KGonz	
Chloride [16887-00-6]^	**16**		mg/L	1	0.29	5.0	4G18020	EPA 300.0	07/18/14 21:35	RAlfo	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4G18020	EPA 300.0	07/18/14 21:35	RAlfo	
Sulfate [14808-79-8]^	**0.82**	I	mg/L	1	0.07	5.0	4G18020	EPA 300.0	07/18/14 21:35	RAlfo	
Total Dissolved Solids [ECL-0156]^	**790**		mg/L	1	10	10	4G23043	SM 2540C-1997	07/24/14 21:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	**0.10**		mg/L	1	0.00	0.00	4G23030	Field	07/18/14 12:39	MCC	
pH [ECL-0062]	**6.22**		pH Units	1			4G23030	Field	07/18/14 12:39	MCC	
Specific Conductance (EC) [ECL-0146]	**1535**		umhos/cm	1	0	0	4G23030	Field	07/18/14 12:39	MCC	
Temperature [ECL-0151]	**25.95**		°C	1	0.00	0.00	4G23030	Field	07/18/14 12:39	MCC	
Turbidity [ECL-0177]	**1.70**		NTU	1	0.00	0.00	4G23030	Field	07/18/14 12:39	MCC	
Water Elevation [ECL-0180]	**43.95**		Ft	1			4G23030	Field	07/18/14 12:39	MCC	

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ANALYTICAL RESULTS

Description: MW-7 **Lab Sample ID:** A403934-06 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 13:09 **Work Order:** A403934

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	4G29018	EPA 8260B	07/29/14 20:22	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	QV-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 20:22	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*41-142*	*4G29018*	*EPA 8260B*	*07/29/14 20:22*	*JFL*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*53-146*	*4G29018*	*EPA 8260B*	*07/29/14 20:22*	*JFL*	
Toluene-d8	*53*	*1*	*50.0*	*107 %*	*41-146*	*4G29018*	*EPA 8260B*	*07/29/14 20:22*	*JFL*	

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ANALYTICAL RESULTS

Description: MW-7 **Lab Sample ID:** A403934-06 **Received:** 07/18/14 17:22

Matrix: Ground Water **Sampled:** 07/18/14 13:09 **Work Order:** A403934

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]^	**0.0374**	I	ug/L	1	0.0230	0.200	4G18014	EPA 7470A	07/23/14 09:04	JAY	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	68.0	U	ug/L	1	68.0	100	4G18015	EPA 6020A	07/22/14 12:50	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4G18015	EPA 6020A	07/22/14 12:50	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	4G18015	EPA 6020A	07/22/14 12:50	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	4G18015	EPA 6020A	07/22/14 12:50	JMA	
Iron [7439-89-6]^	**2110**		ug/L	1	38.0	50.0	4G18015	EPA 6020A	07/22/14 12:50	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	4G18015	EPA 6020A	07/22/14 12:50	JMA	
Sodium [7440-23-5]^	**9.79**		mg/L	1	0.320	1.00	4G18015	EPA 6020A	07/22/14 12:50	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**0.055**		mg/L	1	0.0073	0.020	4G25011	EPA 350.1	07/25/14 12:34	KGonz	
Chloride [16887-00-6]^	**6.4**		mg/L	1	0.29	5.0	4G18020	EPA 300.0	07/18/14 22:04	RAlfo	
Nitrate as N [14797-55-8]^	**1.5**		mg/L	1	0.052	1.0	4G18020	EPA 300.0	07/18/14 22:04	RAlfo	
Sulfate [14808-79-8]^	**38**		mg/L	1	0.07	5.0	4G18020	EPA 300.0	07/18/14 22:04	RAlfo	
Total Dissolved Solids [ECL-0156]^	**530**		mg/L	1	10	10	4G23043	SM 2540C-1997	07/24/14 21:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	**0.81**		mg/L	1	0.00	0.00	4G23030	Field	07/18/14 13:09	MCC	
pH [ECL-0062]	**6.32**		pH Units	1			4G23030	Field	07/18/14 13:09	MCC	
Specific Conductance (EC) [ECL-0146]	**911**		umhos/cm	1	0	0	4G23030	Field	07/18/14 13:09	MCC	
Temperature [ECL-0151]	**25.35**		°C	1	0.00	0.00	4G23030	Field	07/18/14 13:09	MCC	
Turbidity [ECL-0177]	**2.10**		NTU	1	0.00	0.00	4G23030	Field	07/18/14 13:09	MCC	
Water Elevation [ECL-0180]	**43.90**		Ft	1			4G23030	Field	07/18/14 13:09	MCC	

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ANALYTICAL RESULTS

Description: TRIP BLANK
Lab Sample ID: A403934-07
Received: 07/18/14 17:22
Matrix: Ground Water
Sampled: 07/18/14 00:00
Work Order: A403934
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	4G29018	EPA 8260B	07/29/14 20:51	JFL	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	QV-02
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4G29018	EPA 8260B	07/29/14 20:51	JFL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*41-142*	*4G29018*	*EPA 8260B*	*07/29/14 20:51*	*JFL*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*53-146*	*4G29018*	*EPA 8260B*	*07/29/14 20:51*	*JFL*	
Toluene-d8	*50*	*1*	*50.0*	*101 %*	*41-146*	*4G29018*	*EPA 8260B*	*07/29/14 20:51*	*JFL*	

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4G29018 - EPA 5030B_MS

Blank (4G29018-BLK2) Prepared: 07/29/2014 00:00 Analyzed: 07/29/2014 12:31

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	0.71	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*41-142*			
Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*53-146*			
Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*41-146*			

LCS (4G29018-BS1) Prepared: 07/29/2014 00:00 Analyzed: 07/29/2014 11:32

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	65-144			
Benzene	17		1.0	ug/L	20.0		86	73-138			
Chlorobenzene	20		1.0	ug/L	20.0		99	77-127			
Toluene	18		1.0	ug/L	20.0		92	71-123			
Trichloroethene	21		1.0	ug/L	20.0		105	83-133			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4G29018 - EPA 5030B_MS - Continued

LCS (4G29018-BS1) Continued Prepared: 07/29/2014 00:00 Analyzed: 07/29/2014 11:32

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*83*	*41-142*			
Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*53-146*			
Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*41-146*			

Matrix Spike (4G29018-MS1) Prepared: 07/29/2014 00:00 Analyzed: 07/29/2014 21:20

Source: A403979-51

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	0.94 U	113	65-144			
Benzene	20		1.0	ug/L	20.0	0.71 U	101	73-138			
Chlorobenzene	23		1.0	ug/L	20.0	0.72 U	117	77-127			
Toluene	22		1.0	ug/L	20.0	0.72 U	108	71-123			
Trichloroethene	24		1.0	ug/L	20.0	0.89 U	120	83-133			
4-Bromofluorobenzene	*57*			*ug/L*	*50.0*		*114*	*41-142*			
Dibromofluoromethane	*58*			*ug/L*	*50.0*		*117*	*53-146*			
Toluene-d8	*58*			*ug/L*	*50.0*		*117*	*41-146*			

Matrix Spike Dup (4G29018-MSD1) Prepared: 07/29/2014 00:00 Analyzed: 07/29/2014 21:50

Source: A403979-51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.94 U	84	65-144	29	16	QM-11
Benzene	15		1.0	ug/L	20.0	0.71 U	75	73-138	30	14	QM-11
Chlorobenzene	16		1.0	ug/L	20.0	0.72 U	80	77-127	38	13	QM-11
Toluene	15		1.0	ug/L	20.0	0.72 U	73	71-123	39	16	QM-11
Trichloroethene	18		1.0	ug/L	20.0	0.89 U	89	83-133	30	20	QM-11
4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*41-142*			
Dibromofluoromethane	*48*			*ug/L*	*50.0*		*97*	*53-146*			
Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*41-146*			

Batch 4G30026 - EPA 5030B_MS

Blank (4G30026-BLK1) Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 11:20

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							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4G30026 - EPA 5030B_MS - Continued

Blank (4G30026-BLK1) Continued Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 11:20

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	0.71	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*87*	*41-142*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*91*	*53-146*			
Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*41-146*			

Blank (4G30026-BLK2) Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 11:49

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							

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4G30026 - EPA 5030B_MS - Continued

Blank (4G30026-BLK2) Continued Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 11:49

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	0.71	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*41-142*			
Dibromofluoromethane	*41*			*ug/L*	*50.0*		*81*	*53-146*			
Toluene-d8	*41*			*ug/L*	*50.0*		*83*	*41-146*			

LCS (4G30026-BS1) Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 10:51

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		110	65-144			
Benzene	19		1.0	ug/L	20.0		95	73-138			
Chlorobenzene	22		1.0	ug/L	20.0		112	77-127			
Toluene	21		1.0	ug/L	20.0		103	71-123			
Trichloroethene	24		1.0	ug/L	20.0		119	83-133			
4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*91*	*41-142*			
Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*53-146*			
Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*41-146*			

Matrix Spike (4G30026-MS1) Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 19:39

Source: A404177-04

Analyte	Result	Flag	POL	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	88	65-144			
Benzene	16		1.0	ug/L	20.0	0.71 U	78	73-138			
Chlorobenzene	20		1.0	ug/L	20.0	0.72 U	98	77-127			
Toluene	17		1.0	ug/L	20.0	0.72 U	86	71-123			
Trichloroethene	19		1.0	ug/L	20.0	0.89 U	96	83-133			
4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*41-142*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*53-146*			
Toluene-d8	*51*			*ug/L*	*50.0*		*103*	*41-146*			

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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4G30026 - EPA 5030B_MS - Continued

Matrix Spike Dup (4G30026-MSD1) Prepared: 07/30/2014 00:00 Analyzed: 07/30/2014 20:08

Source: A404177-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0	0.94 U	75	65-144	16	16	
Benzene	14		1.0	ug/L	20.0	0.71 U	69	73-138	13	14	QM-07
Chlorobenzene	17		1.0	ug/L	20.0	0.72 U	83	77-127	16	13	QM-11
Toluene	15		1.0	ug/L	20.0	0.72 U	73	71-123	17	16	QM-07
Trichloroethene	16		1.0	ug/L	20.0	0.89 U	82	83-133	15	20	QM-07
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*41-142*			
Dibromofluoromethane	*48*			*ug/L*	*50.0*		*95*	*53-146*			
Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*41-146*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 4G18014 - EPA 7470A

Blank (4G18014-BLK1) Prepared: 07/22/2014 13:51 Analyzed: 07/23/2014 08:16

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 (4G18014-BLK2) Prepared: 07/22/2014 13:51 Analyzed: 07/23/2014 08:19

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 (4G18014-BS1) Prepared: 07/22/2014 13:51 Analyzed: 07/23/2014 08:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.74		0.200	ug/L	5.00		95	80-120			

Matrix Spike (4G18014-MS1) Prepared: 07/22/2014 13:51 Analyzed: 07/23/2014 08:28

Source: A403934-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.55		0.200	ug/L	5.00	0.0454	90	75-125			

Matrix Spike Dup (4G18014-MSD1) Prepared: 07/22/2014 13:51 Analyzed: 07/23/2014 08:32

Source: A403934-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.54		0.200	ug/L	5.00	0.0454	90	75-125	0.2	20	

Post Spike (4G18014-PS1) Prepared: 07/23/2014 06:00 Analyzed: 07/23/2014 08:35

Source: A403934-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.94		0.200	ug/L	5.61	0.0429	87	80-120			

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

Batch 4G18015 - EPA 3005A

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

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

Batch 4G18015 - EPA 3005A - Continued

Blank (4G18015-BLK1) Prepared: 07/21/2014 11:06 Analyzed: 07/22/2014 09:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	68.0	U	100	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Cadmium	1.10	U	3.00	ug/L							
Chromium	4.50	U	10.0	ug/L							
Iron	38.0	U	50.0	ug/L							
Lead	1.60	U	5.00	ug/L							
Sodium	0.320	U	1.00	mg/L							

Blank (4G18015-BLK2) Prepared: 07/21/2014 11:06 Analyzed: 07/22/2014 09:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	6.80	U	10.0	ug/L							
Arsenic	0.610	U	1.00	ug/L							
Cadmium	0.110	U	0.300	ug/L							
Chromium	0.450	U	1.00	ug/L							
Iron	3.80	U	5.00	ug/L							
Lead	0.160	U	0.500	ug/L							
Sodium	0.0320	U	0.100	mg/L							

LCS (4G18015-BS1) Prepared: 07/21/2014 11:06 Analyzed: 07/22/2014 09:54

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	987		100	ug/L	1000		99	80-120			
Arsenic	463		10.0	ug/L	500		93	80-120			
Cadmium	47.7		3.00	ug/L	50.0		95	80-120			
Chromium	536		10.0	ug/L	500		107	80-120			
Iron	1020		50.0	ug/L	1000		102	80-120			
Lead	509		5.00	ug/L	500		102	80-120			
Sodium	23.4		1.00	mg/L	25.0		94	80-120			

Matrix Spike (4G18015-MS1) Prepared: 07/21/2014 11:06 Analyzed: 07/22/2014 10:32

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	996		100	ug/L	1000	68.0 U	100	75-125			
Arsenic	459		10.0	ug/L	500	6.10 U	92	75-125			
Cadmium	47.4		3.00	ug/L	50.0	1.10 U	95	75-125			
Chromium	518		10.0	ug/L	500	4.50 U	104	75-125			
Iron	6850		50.0	ug/L	1000	5930	93	75-125			
Lead	502		5.00	ug/L	500	1.60 U	100	75-125			
Sodium	92.0		1.00	mg/L	25.0	65.0	108	75-125			

Matrix Spike Dup (4G18015-MSD1) Prepared: 07/21/2014 11:06 Analyzed: 07/22/2014 10:36

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	978		100	ug/L	1000	68.0 U	98	75-125	2	20	
Arsenic	473		10.0	ug/L	500	6.10 U	95	75-125	3	20	
Cadmium	48.0		3.00	ug/L	50.0	1.10 U	96	75-125	1	20	
Chromium	522		10.0	ug/L	500	4.50 U	104	75-125	0.9	20	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

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

Batch 4G18015 - EPA 3005A - Continued

Matrix Spike Dup (4G18015-MSD1) Continued Prepared: 07/21/2014 11:06 Analyzed: 07/22/2014 10:36

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	6910		50.0	ug/L	1000	5930	98	75-125	0.7	20	
Lead	495		5.00	ug/L	500	1.60 U	99	75-125	1	20	
Sodium	94.0		1.00	mg/L	25.0	65.0	116	75-125	2	20	

Post Spike (4G18015-PS1) Prepared: 07/22/2014 09:00 Analyzed: 07/22/2014 10:09

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	95.3		10.0	ug/L	98.0	-1.64	99	80-120			
Arsenic	44.0		1.00	ug/L	49.0	0.342	89	80-120			
Cadmium	4.73		0.300	ug/L	4.90	-0.0145	97	80-120			
Chromium	54.2		1.00	ug/L	49.0	-0.247	111	80-120			
Iron	680		5.00	ug/L	98.0	581	101	80-120			
Lead	49.8		0.500	ug/L	49.0	-0.145	102	80-120			
Sodium	8640		100	ug/L	2450	6380	92	80-120			

Classical Chemistry Parameters - Quality Control

Batch 4G18020 - NO PREP

Blank (4G18020-BLK1) Prepared: 07/18/2014 16:00 Analyzed: 07/18/2014 17:32

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 (4G18020-BS1) Prepared: 07/18/2014 16:00 Analyzed: 07/18/2014 17:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0		100	90-110			
Nitrate as N	9.7		1.0	mg/L	10.0		97	90-110			
Sulfate	50		5.0	mg/L	50.0		100	90-110			

Matrix Spike (4G18020-MS1) Prepared: 07/18/2014 12:39 Analyzed: 07/18/2014 18:01

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	9.5		1.0	mg/L	10.0	0.052 U	95	90-110			
Sulfate	55		5.0	mg/L	50.0	1.2	108	90-110			

Matrix Spike (4G18020-MS2) Prepared: 07/18/2014 12:39 Analyzed: 07/18/2014 23:02

Source: A404049-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	130		10	mg/L	50.0	80	92	90-110			

Matrix Spike Dup (4G18020-MSD1) Prepared: 07/18/2014 12:39 Analyzed: 07/18/2014 18:25

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	9.0		1.0	mg/L	10.0	0.052 U	90	90-110	6	10	

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QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 4G18020 - NO PREP - Continued

Matrix Spike Dup (4G18020-MSD1) Continued Prepared: 07/18/2014 12:39 Analyzed: 07/18/2014 18:25

Source: A404049-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	52		5.0	mg/L	50.0	1.2	101	90-110	6	10	

Matrix Spike Dup (4G18020-MSD2) Prepared: 07/18/2014 12:39 Analyzed: 07/18/2014 23:17

Source: A404049-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	130		10	mg/L	50.0	80	102	90-110	4	10	

Batch 4G23043 - NO PREP

Blank (4G23043-BLK1) Prepared: 07/23/2014 16:20 Analyzed: 07/24/2014 21:33

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 (4G23043-BS1) Prepared: 07/23/2014 16:20 Analyzed: 07/24/2014 21:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	990		10	mg/L	1000		99	90-110			

Duplicate (4G23043-DUP1) Prepared: 07/23/2014 16:20 Analyzed: 07/24/2014 21:33

Source: A403409-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	500		10	mg/L		500			0.8	10	

Batch 4G24002 - NO PREP

Blank (4G24002-BLK1) Prepared: 07/24/2014 08:04 Analyzed: 07/24/2014 09:11

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 (4G24002-BS1) Prepared: 07/24/2014 08:04 Analyzed: 07/24/2014 09:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	51		5.0	mg/L	50.0		103	90-110			

Matrix Spike (4G24002-MS1) Prepared: 07/24/2014 08:04 Analyzed: 07/24/2014 11:25

Source: A403635-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	53		5.0	mg/L	50.0	1.0	104	90-110			

Matrix Spike Dup (4G24002-MSD1) Prepared: 07/24/2014 08:04 Analyzed: 07/24/2014 11:40

Source: A403635-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	50		5.0	mg/L	50.0	1.0	99	90-110	6	10	

Batch 4G25011 - NO PREP

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 4G25011 - NO PREP - Continued

Blank (4G25011-BLK1) Prepared: 07/25/2014 10:23 Analyzed: 07/25/2014 12:11

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

LCS (4G25011-BS1) Prepared: 07/25/2014 10:23 Analyzed: 07/25/2014 12:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00		100	90-110			

Matrix Spike (4G25011-MS1) Prepared: 07/25/2014 10:23 Analyzed: 07/25/2014 12:15

Source: A404239-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.5		0.020	mg/L	1.00	0.54	92	90-110			

Matrix Spike Dup (4G25011-MSD1) Prepared: 07/25/2014 10:23 Analyzed: 07/25/2014 12:16

Source: A404239-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.5		0.020	mg/L	1.00	0.54	93	90-110	0.7	10	

Batch 4G30007 - NO PREP

Blank (4G30007-BLK1) Prepared: 07/30/2014 08:09 Analyzed: 07/30/2014 09:55

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

LCS (4G30007-BS1) Prepared: 07/30/2014 08:09 Analyzed: 07/30/2014 09:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.98		0.020	mg/L	1.00		98	90-110			

Matrix Spike (4G30007-MS1) Prepared: 07/30/2014 08:09 Analyzed: 07/30/2014 10:09

Source: A404076-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	2.4		0.040	mg/L	1.00	1.5	92	90-110			

Matrix Spike Dup (4G30007-MSD1) Prepared: 07/30/2014 08:09 Analyzed: 07/30/2014 10:10

Source: A404076-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	2.5		0.040	mg/L	1.00	1.5	94	90-110	0.8	10	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
J-05	Result estimated, calibration verification standard failed with low bias.
O-01	This compound is a common laboratory contaminant.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QV-02	The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

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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 Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: A403934

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Requested Analyses: 8260B Arom/Halo	Al,As,Cd,Cr,Fe,Na,Pb, Hg	Ammonia 350.1	Chloride 300,Nitrate as N 300,Sulfate 300, TDS SM2540C	Preservation (See Codes) (Combine as necessary): H	N	S	I	Sample Comments
	MW-9S	7/18/14	1001	Grab	GW	6	3	1	1	1					
	MW-1	7/18/14	1038	Grab	GW	6	3	1	1	1					
	MW-6	7/18/14	1132	Grab	GW	6	3	1	1	1					
	MW-8	7/18/14	1206	Grab	GW	6	3	1	1	1					
	MW-5	7/18/14	1239	Grab	GW	6	3	1	1	1					
	MW-7	7/18/14	1309	Grab	GW	6	3	1	1	1					

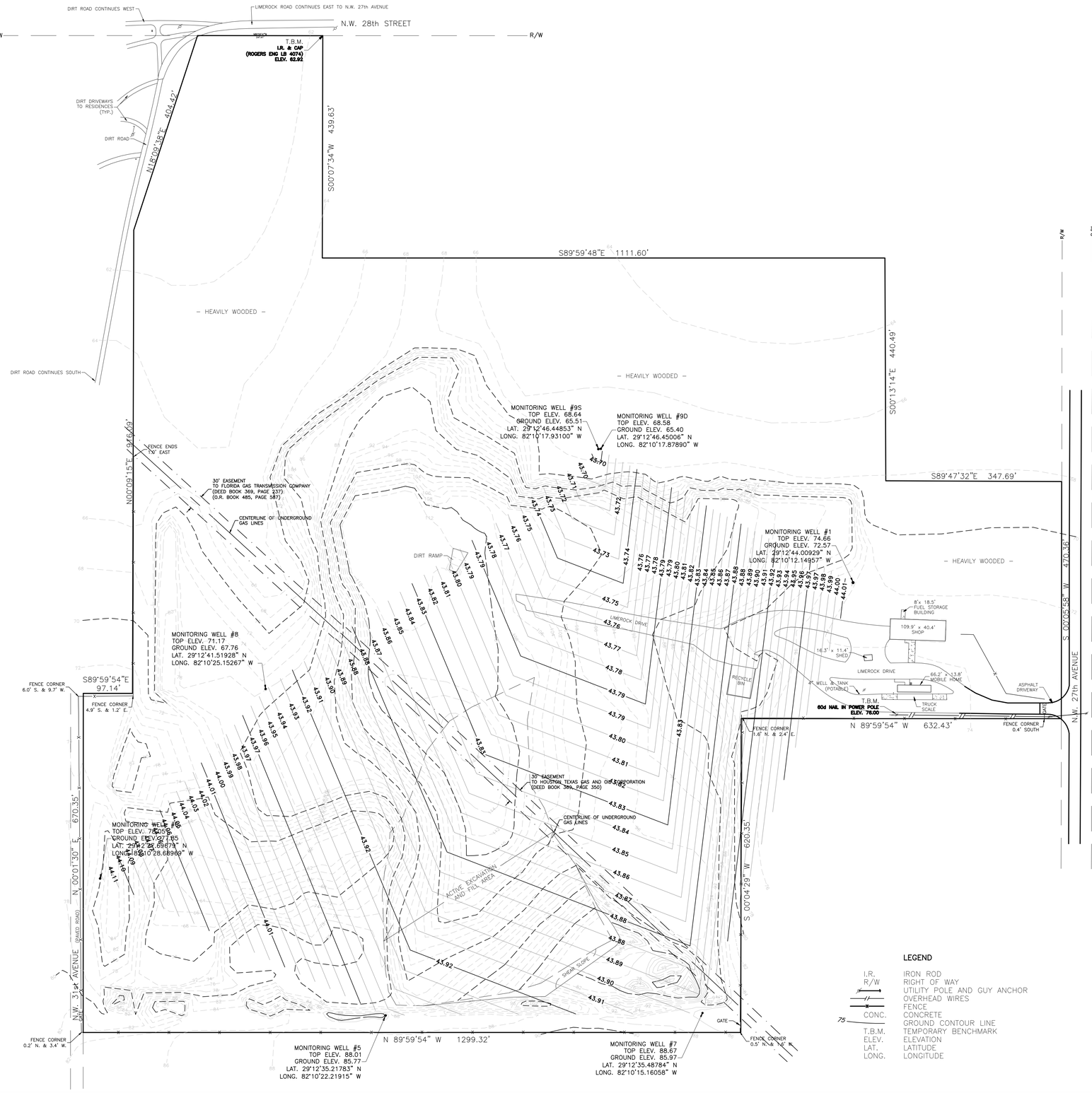
<-- Total # of Containers

Sample Kit Prepared By: RJC — Date/Time: 7/14/2014 1300	Relinquished By: Rebecca Collins — Date/Time: 7/14/2014 1300	Received By: — Date/Time: 7/15/14 1330	
Comments/Special Reporting Requirements:	Relinquished By: — Date/Time: 7/18/14 1722	Received By: Rebecca Collins — Date/Time: 7/18/2014 1722	
	Relinquished By: — Date/Time:	Received By: — Date/Time:	
	Cooler #'s & Temps on Receipt: LG-82 2°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.



N

ETI

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

NOTES:

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

LEGEND

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

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

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

Groundwater contours revised 8-4-2014

GROUNDWATER CONTOURS

FRIENDS RECYCLING, LLC.

MARION COUNTY, FLORIDA

ENVIRO-TECH INC.
ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS
15290 SE HWY 42, PO BOX 152
WEIRSDALE, FLORIDA 32195
PHONE: (352) 694-1799
FAX: (866) 832-0250

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