
SEMI-ANNUAL MONITORING REPORT

FIRST HALF 2015

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

PREPARED FOR:

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

PREPARED BY:

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

February 4, 2015



February 4, 2015

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the First Half of 2015
Friends Recycling C&D Landfill
Marion County, Florida

Dear Mr. Giunarelli:

Per your request, Enviro-Technologies, Inc. (ETI) has completed the semi-annual groundwater monitoring report for the first half of 2015 groundwater sampling activities on Monitoring Wells: MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9. Information about the individual wells is provided in the Appendix of this report.

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

PROJECT LOCATION

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

GROUNDWATER QUALITY ASSESSMENT

On January 23, 2015, (date of the sample collection), ground water samples were collected from MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9, shown in the Topographic Survey provided by Robert L. Rogers Engineering Co., Inc. All collected groundwater samples were delivered to Environmental Conservation Laboratories, Inc. (ENCO) for analyses.

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

GROUNDWATER ANALYTICAL RESULTS

Copies of the laboratory analytical results and chain-of-custody forms and a sample detection summary of the analytical results of each monitoring well for the January 23, 2015 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	5.0	2.8	ug/L	EPA 350.1
Arsenic - Total	14.9	2.8	ug/L	EPA 6020A
Iron - Total	19600	300	ug/L	EPA 6020A
Sulfate	890	250	mg/L	EPA 300.0
Total Dissolved Solids	2000	500	mg/L	SM 2540C-1997

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	4.4	2.8	ug/L	EPA 350.1
Benzene	1.0	1.0	ug/L	EPA 8260B
Iron - Total	35800	300	ug/L	EPA 6020A
Total Dissolved Solids	740	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	1520	300	ug/L	EPA 6020A
Total Dissolved Solids	530	500	mg/L	SM 2540C-1997

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	4.9	2.8	ug/L	EPA 350.1
Iron - Total	15800	300	ug/L	EPA 6020A
Total Dissolved Solids	680	500	mg/L	SM 2540C-1997

MW-9

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-9 indicate that concentrations of all items analyzed during the sampling event, apart from the items above, are well below the Groundwater Cleanup Target Levels (GCTL's). In addition, the measured items in the Groundwater Sampling Logs indicate that the samples should be representative of the surrounding aquifer.

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

Total Dissolved Solids in all monitoring wells except for MW-1 were lower or equal to the previous concentrations 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 lower 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.

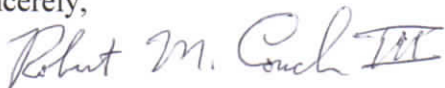
It should be noted that, according to the groundwater sampling logs, the samples were taken in accordance DEP-SOP-001/01 FS 2200.

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.

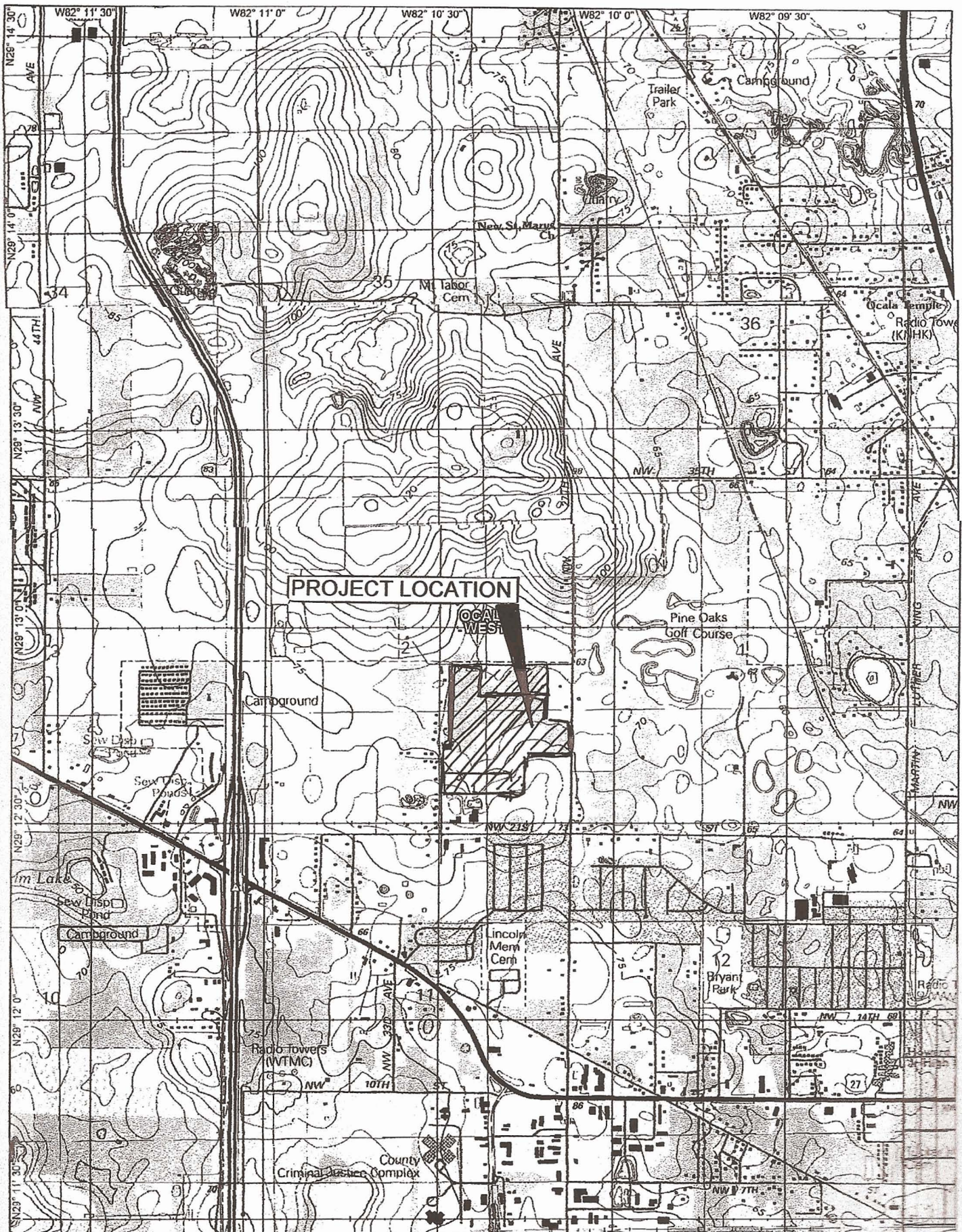
Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

Sincerely,



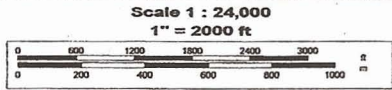
Robert M. Couch III, P.E.
President
ENVIRO-TECH, Inc.

APPENDIX



DELOME

© 2002 DeLorme, 3-D TopoQuads ©. Data copyright of content owner.
www.delorme.com



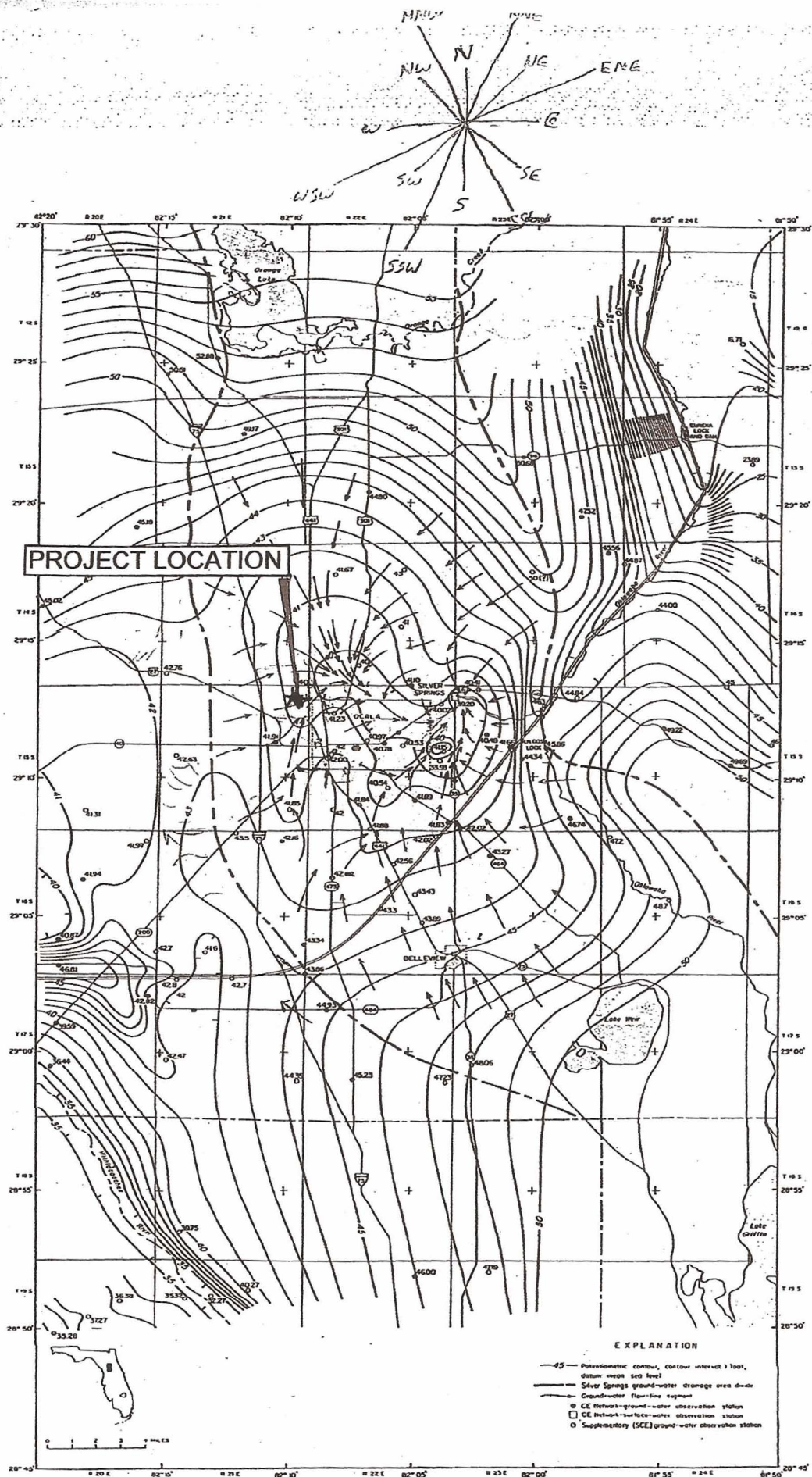


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

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.

2/4/2015
Date

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

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Ideal Tech Services, Inc.

Analytical Lab NELAC #/ HRS Certification E83282

Lab Name Environmental Conservation Laboratories (ENCO) Orlando

Address 10775 Central Port Drive Orlando Florida 32824

Phone Number (407) 826-5314

E-mail Address _____

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

WACS Facility: 21012 Friends Recycling Facility

January 23, 2015

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	31.16	43.50
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	44.62	43.39
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	34.43	43.62
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.60	45.17	43.50
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	27.77	43.40
MW-9	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	25.35	43.29

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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-1		WACS_WELL: 18811	DATE: 01 / 23 / 15

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet		STATIC DEPTH TO WATER (feet): 31.16		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) = (43.45 feet – 31.16 feet) X .16 gallons/foot = 1.97 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): 32.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32.00			PURGING INITIATED AT: 1102		PURGING ENDED AT: 1112		TOTAL VOLUME PURGED (gallons): 5.00	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1104	2.00	2.00	.50	31.26	6.58	24.57	2,080	.30	6.40	clear	None
1109	1.50	3.50	.50	31.26	6.57	24.61	2,069	.22	5.00	clear	None
1112	1.50	5.00	.50	31.26	6.57	24.61	2,047	.19	4.00	clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

[illegible]

REMARKS: Slowed pump to sample

DTW = 31.14 Reference Elevation = 74.66 GWTE = 43.50 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

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

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

Revision Date: February 12, 2009

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: 01 / 23 / 15	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 44.62	PURGE PUMP TYPE OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (67.45 feet - 44.62 feet) X .16 gallons/foot = 3.65 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): 45.50	PURGING INITIATED AT: 0926	PURGING ENDED AT: 0943	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)
0937	3.85	3.85	.35	44.63	6.36	26.49	1,370	.22	.80	clear	None
0940	1.05	4.90	.35	44.63	6.36	26.40	1,369	.22	.80	clear	None
0943	1.05	5.95	.35	44.63	6.36	26.38	1,368	.21	.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: 0943		SAMPLING ENDED AT: 0947	
PUMP OR TUBING DEPTH IN WELL (feet): 45.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)				DUPLICATE: Y ☒ N ☐						

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-5	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-5	1	PE	250mL	HNO ₃	None	7.2	Metals	ESP	≈ 1325
MW-5	1	PE	250mL	H ₂ SO ₄	None	7.2	Ammonia (350.1)	ESP	≈ 1325
MW-5	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1325

REMARKS: **sheen**

DTW = **44.62** Reference Elevation = 88.01 GWTE = **43.39** 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: 01 / 23 / 15

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS: Slowed pump to sample

DTW = 34.43 Reference Elevation = 78.05 GWTE = 43.62 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

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

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

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

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

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

Revision Date: February 12, 2009

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: 01 / 23 / 15	

PURGING DATA

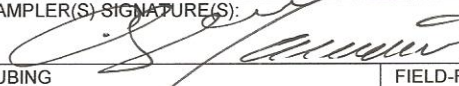
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 41 feet to 51 feet	STATIC DEPTH TO WATER (feet): 45.17	PURGE PUMP TYPE OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (53.80 feet - 45.17 feet) X .16 gallons/foot = 1.38 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): 46.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.00	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 3.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1004	1.40	1.40	.35	47.18	6.28	24.54	835	.14	9.40	Clear	None
1007	1.05	2.45	.35	47.18	6.38	24.53	858	.14	3.00	Clear	None
1010	1.05	3.50	.35	47.18	6.38	24.55	842	.11	1.80	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: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1014
PUMP OR TUBING DEPTH IN WELL (feet): 48.00	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)	DUPLICATE: Y ☒ N ☐		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-7	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-7	1	PE	250mL	HNO ₃	None	7.2	Metals	ESP	≈ 1325
MW-7	1	PE	250mL	H ₂ SO ₄	None	7.2	Ammonia (350.1)	ESP	≈ 1325
MW-7	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1325

REMARKS:

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 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: 01 / 23 / 15	

PURGING DATA

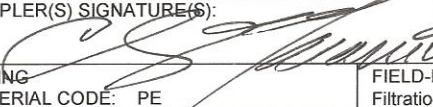
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 27.77	PURGE PUMP TYPE OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (34.24 feet - 27.77 feet) X .16 gallons/foot = 1.04 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): 28.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28.50	PURGING INITIATED AT: 0834	PURGING ENDED AT: 0845	TOTAL VOLUME PURGED (gallons): 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)
0839	1.25	1.25	.25	27.86	6.48	24.74	1,198	.41	1.00	Clear	None
0842	.75	2.00	.25	27.86	6.46	24.82	1,206	.32	.90	Clear	None
0845	.75	2.75	.25	27.86	6.45	24.83	1,211	.30	.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: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 0845	SAMPLING ENDED AT: 0849
PUMP OR TUBING DEPTH IN WELL (feet): 28.50	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y ☒ N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ (replaced)		DUPLICATE: Y ☒ N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-8	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100
MW-8	1	PE	250mL	HNO ₃	None	4.2	Metals	ESP	≈ 946
MW-8	1	PE	250mL	H ₂ SO ₄	None	4.2	Ammonia (350.1)	ESP	≈ 946
MW-8	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 946

REMARKS:

DTW = 27.77 Reference Elevation = 71.17 GWTE = 43.40 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

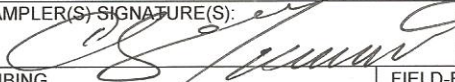
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-9		WACS_WELL: 22916	DATE: 01 / 23 / 15

PURGING DATA

WELL		TUBING		WELL SCREEN INTERVAL		STATIC DEPTH		PURGE PUMP TYPE			
DIAMETER (inches): 2		DIAMETER (inches): .375		DEPTH: unk. feet to unk. foot		TO WATER (feet): 25.35		OR BAILER: ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (32.80 \text{ feet} - 25.35 \text{ feet}) \times .16 \text{ gallons/foot} = 1.19 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.00		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.00		PURGING INITIATED AT: 1037		PURGING ENDED AT: 1048		TOTAL VOLUME PURGED (gallons): 3.85			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1042	1.75	1.75	.35	25.50	6.67	23.05	898	1.17	10.00	Clear	None
1045	1.05	2.80	.35	25.50	6.65	23.01	902	.85	6.70	Clear	None
1048	1.05	3.85	.35	25.50	6.67	23.02	905	.57	2.60	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: 1048		SAMPLING ENDED AT: 1052	
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 ☒ N				TUBING Y ☒ (replaced)			DUPLICATE: Y ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-9	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)		ESP	≈ 100
MW-9	1	PE	250mL	HNO ₃	None	22	Metals		ESP	≈ 1325
MW-9	1	PE	250mL	H ₂ SO ₄	None	22	Ammonia (350.1)		ESP	≈ 1325
MW-9	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS		ESP	≈ 1325
REMARKS: DTW ^{MW} ID = 25.31										
DTW = 25.35 Reference Elevation = 68.64 GWTE = 43.29 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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

Revision Date: February 12, 2009



CALIBRATION LOG

ITS Work Order Number:

FRL-13-012315

CLIENT: Friends Recycling

ADDRESS: 2350 NW 27th Ave.

CITY, STATE: Ocala, FL 34475

Site: Friends Recycling C&D Landfill

START CAL DATE @ TIME: 01/23/15 @ 0730

END CALIBRATION DATE @ TIME: 01/23/15 @ 1545

Page 1 of 1

YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 5.28

pH Sensor Per DEP-SOP-001/01 FT 1100						Temperature Sensor Per DEP-SOP-001/01 FT 1400					
Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE	STANDARD (ERTCO Thermometer)		YSI METER		LOT NUMBER	DATE PERFORMED (Quarterly)
	INITIAL	CCV						TEMP READING			
4.005	4.00	3.99	/	cc218591	Nov-15			LOW	HIGH		
7.000	7.00	7.02	7.00	cc219589	Dec-15	LOW	5.20	5.23		NA	01/04/15
10.012	10.01	10.00	/	cc212368	Nov-15	HIGH	29.10		29.14		01/04/15

Standards are prepared by OAKTON.

Liquid Temp: N/A

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

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

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	.18		4AC373	Mar-15
fresh air @				
18.90 °C	9.32			
22.99 °C		8.58		

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

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

STANDARD "mhos	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
8,974	NM	NM	4AC065	Mar-15
2,764	2,764	2,779	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.

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

STANDARD (mV)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
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	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
1000	NM	NM	See Below	Oct-16
100	100	100	See Below	Oct-16
10	10	10	See Below	Oct-16
0.02	.02	.02	See Below	Oct-16

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 41053

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: overcast 70-75°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #090914252WF2330715

Exp Date 03/31/16

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 5.28 on 1/5/15: 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:

Chris Monaco or Karen LeBeau



(919) 467-3090 Fax (919) 467-3515

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) **Preservation:** H-HCl N-HNO₃ S-H₂SO₄ NO-NaOH O-Other (detail in comments)

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



ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

Friday, January 30, 2015

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): A500029

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, January 23, 2015.

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,

Ronald Wambles For Marcia Colon

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-5		Lab ID: A500029-01		Sampled: 01/23/15 09:47		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	01/25/15 09:47			01/23/15 13:52		01/23/15 17:54	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 17:54	
EPA 350.1	02/20/15			01/28/15 09:04		01/28/15 11:45	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 12:54	
EPA 7470A	02/20/15			01/28/15 08:59		01/29/15 08:22	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 11:12	
Field	01/23/15 10:01			01/23/15 09:47		01/23/15 09:47	
Field	01/24/15 09:47	01/24/15	09:47	01/23/15 09:47		01/23/15 09:47	
Field	01/25/15 09:47			01/23/15 09:47		01/23/15 09:47	
SM 2540C-1997	01/30/15			01/28/15 16:07		01/29/15 11:33	
Client ID: MW-5		Lab ID: A500029-01RE1		Sampled: 01/23/15 09:47		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 12:57	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 10:36	
Client ID: MW-1		Lab ID: A500029-02		Sampled: 01/23/15 11:16		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	01/25/15 11:16			01/23/15 13:52		01/23/15 18:08	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 18:08	
EPA 350.1	02/20/15			01/28/15 09:04		01/28/15 11:28	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:01	
EPA 7470A	02/20/15			01/28/15 08:59		01/29/15 08:25	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 11:40	
Field	01/23/15 11:30			01/23/15 11:16		01/23/15 11:16	
Field	01/24/15 11:16	01/24/15	11:16	01/23/15 11:16		01/23/15 11:16	
Field	01/25/15 11:16			01/23/15 11:16		01/23/15 11:16	
SM 2540C-1997	01/30/15			01/28/15 16:07		01/29/15 11:33	
Client ID: MW-1		Lab ID: A500029-02RE1		Sampled: 01/23/15 11:16		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 18:36	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:05	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 11:05	
Client ID: MW-6		Lab ID: A500029-03		Sampled: 01/23/15 09:15		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	01/25/15 09:15			01/23/15 13:52		01/23/15 18:50	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 18:50	
EPA 350.1	02/20/15			01/28/15 09:04		01/28/15 11:10	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:08	
EPA 7470A	02/20/15			01/28/15 08:59		01/29/15 08:28	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 12:09	
Field	01/23/15 09:29			01/23/15 09:15		01/23/15 09:15	
Field	01/24/15 09:15	01/24/15	09:15	01/23/15 09:15		01/23/15 09:15	
Field	01/25/15 09:15			01/23/15 09:15		01/23/15 09:15	
SM 2540C-1997	01/30/15			01/28/15 16:07		01/29/15 11:33	
Client ID: MW-6		Lab ID: A500029-03RE1		Sampled: 01/23/15 09:15		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 11:35	

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-7		Lab ID: A500029-04		Sampled: 01/23/15 10:14		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	01/25/15 10:14			01/23/15 13:52		01/23/15 19:05	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 19:05	
EPA 350.1	02/20/15			01/28/15 09:04		01/28/15 11:19	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:12	
EPA 7470A	02/20/15			01/28/15 08:59		01/29/15 08:31	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 12:37	
Field	01/23/15 10:28			01/23/15 10:14		01/23/15 10:14	
Field	01/24/15 10:14	01/24/15	10:14	01/23/15 10:14		01/23/15 10:14	
Field	01/25/15 10:14			01/23/15 10:14		01/23/15 10:14	
SM 2540C-1997	01/30/15			01/28/15 16:07		01/29/15 11:33	
Client ID: MW-7		Lab ID: A500029-04RE1		Sampled: 01/23/15 10:14		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 12:04	
Client ID: MW-8		Lab ID: A500029-05		Sampled: 01/23/15 08:49		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	01/25/15 08:49			01/23/15 13:52		01/23/15 19:24	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 19:24	
EPA 350.1	02/20/15			01/28/15 09:04		01/28/15 11:29	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:16	
EPA 7470A	02/20/15			01/28/15 08:59		01/29/15 08:34	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 13:06	
Field	01/23/15 09:03			01/23/15 08:49		01/23/15 08:49	
Field	01/24/15 08:49	01/24/15	08:49	01/23/15 08:49		01/23/15 08:49	
Field	01/25/15 08:49			01/23/15 08:49		01/23/15 08:49	
SM 2540C-1997	01/30/15			01/28/15 16:07		01/29/15 11:33	
Client ID: MW-8		Lab ID: A500029-05RE1		Sampled: 01/23/15 08:49		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:19	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 12:32	
Client ID: MW-9		Lab ID: A500029-06		Sampled: 01/23/15 10:52		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 300.0	01/25/15 10:52			01/23/15 13:52		01/23/15 19:38	
EPA 300.0	02/20/15			01/23/15 13:52		01/23/15 19:38	
EPA 350.1	02/20/15			01/28/15 09:04		01/28/15 11:21	
EPA 6020A	07/22/15			01/26/15 08:40		01/27/15 13:42	
EPA 7470A	02/20/15			01/28/15 08:59		01/29/15 08:37	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 13:35	
Field	01/23/15 11:06			01/23/15 10:52		01/23/15 10:52	
Field	01/24/15 10:52	01/24/15	10:52	01/23/15 10:52		01/23/15 10:52	
Field	01/25/15 10:52			01/23/15 10:52		01/23/15 10:52	
SM 2540C-1997	01/30/15			01/28/15 16:07		01/29/15 11:33	
Client ID: MW-9		Lab ID: A500029-06RE1		Sampled: 01/23/15 10:52		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 13:01	
Client ID: TRIP BLANK		Lab ID: A500029-07		Sampled: 01/23/15 00:00		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 8260B	02/06/15			01/29/15 00:00		01/29/15 14:03	
Client ID: TRIP BLANK		Lab ID: A500029-07RE1		Sampled: 01/23/15 00:00		Received: 01/23/15 14:45	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>			<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>	
EPA 8260B	02/06/15			01/30/15 00:00		01/30/15 13:30	

SAMPLE DETECTION SUMMARY

Client ID: MW-5		Lab ID: A500029-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	4.4		0.036	0.10	mg/L	EPA 350.1	
Benzene	1.0		0.71	1.0	ug/L	EPA 8260B	
Chloride	27		0.29	5.0	mg/L	EPA 300.0	
Chloroform	1.3		0.80	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.64	I	0.53	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.21		0.00	0.00	mg/L	Field	
pH	6.36				pH Units	Field	
Sodium - Total	19.5		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1368		0	0	umhos/cm	Field	
Sulfate	0.76	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	26.38		0.00	0.00	°C	Field	
Total Dissolved Solids	740		10	10	mg/L	SM 2540C-1997	
Water Elevation	43.39				Ft	Field	
Client ID: MW-5		Lab ID: A500029-01RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	35800		380	500	ug/L	EPA 6020A	
Client ID: MW-1		Lab ID: A500029-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	5.0		0.036	0.10	mg/L	EPA 350.1	
Arsenic - Total	14.9		6.10	10.0	ug/L	EPA 6020A	
Chloride	21		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.19		0.00	0.00	mg/L	Field	
Mercury - Total	0.0423	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	0.73	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.57				pH Units	Field	
Sodium - Total	54.4		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	2047		0	0	umhos/cm	Field	
Temperature	24.61		0.00	0.00	°C	Field	
Total Dissolved Solids	2000		10	10	mg/L	SM 2540C-1997	
Turbidity	4.00		0.00	0.00	NTU	Field	
Water Elevation	43.50				Ft	Field	
Client ID: MW-1		Lab ID: A500029-02RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	19600		380	500	ug/L	EPA 6020A	
Sulfate	890		0.66	50	mg/L	EPA 300.0	
Client ID: MW-6		Lab ID: A500029-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	1.5	I	0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.45		0.00	0.00	mg/L	Field	
Lead - Total	2.00	I	1.60	5.00	ug/L	EPA 6020A	
Nitrate as N	0.87	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.67				pH Units	Field	
Sodium - Total	2.73		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	769		0	0	umhos/cm	Field	
Sulfate	11		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.13		0.00	0.00	°C	Field	
Total Dissolved Solids	440		10	10	mg/L	SM 2540C-1997	
Turbidity	2.20		0.00	0.00	NTU	Field	
Water Elevation	43.62				Ft	Field	

SAMPLE DETECTION SUMMARY

Client ID: MW-7		Lab ID: A500029-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	112		68.0	100	ug/L	EPA 6020A	
Ammonia as N	0.050		0.0073	0.020	mg/L	EPA 350.1	
Chloride	7.1		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.11		0.00	0.00	mg/L	Field	
Iron - Total	1520		38.0	50.0	ug/L	EPA 6020A	
Mercury - Total	0.208		0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	1.7		0.052	1.0	mg/L	EPA 300.0	
pH	6.38				pH Units	Field	
Sodium - Total	10.9		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	842		0	0	umhos/cm	Field	
Sulfate	42		0.07	5.0	mg/L	EPA 300.0	
Temperature	24.55		0.00	0.00	°C	Field	
Total Dissolved Solids	530		10	10	mg/L	SM 2540C-1997	
Turbidity	1.80		0.00	0.00	NTU	Field	
Water Elevation	43.50				Ft	Field	
Client ID: MW-8		Lab ID: A500029-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	4.9		0.036	0.10	mg/L	EPA 350.1	
Chloride	39		0.29	5.0	mg/L	EPA 300.0	
Chloroform	0.99	I	0.80	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.87	I	0.53	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.30		0.00	0.00	mg/L	Field	
Nitrate as N	0.95	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.45				pH Units	Field	
Sodium - Total	34.2		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1211		0	0	umhos/cm	Field	
Sulfate	2.6	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.83		0.00	0.00	°C	Field	
Total Dissolved Solids	680		10	10	mg/L	SM 2540C-1997	
Turbidity	0.800		0.00	0.00	NTU	Field	
Water Elevation	43.40				Ft	Field	
Client ID: MW-8		Lab ID: A500029-05RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	15800		380	500	ug/L	EPA 6020A	
Client ID: MW-9		Lab ID: A500029-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	20		0.29	5.0	mg/L	EPA 300.0	
Chloroform	0.95	I	0.80	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.57		0.00	0.00	mg/L	Field	
Nitrate as N	0.77	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.67				pH Units	Field	
Sodium - Total	12.9		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	905		0	0	umhos/cm	Field	
Sulfate	85		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.02		0.00	0.00	°C	Field	
Total Dissolved Solids	590		10	10	mg/L	SM 2540C-1997	
Turbidity	2.60		0.00	0.00	NTU	Field	
Water Elevation	43.29				Ft	Field	
Client ID: TRIP BLANK		Lab ID: A500029-07					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloroform	0.85	I	0.80	1.0	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A500029-01

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 09:47

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	QL-02, QM-07, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	QM-07
Benzene [71-43-2]^	1.0		ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	QV-01
Chloroform [67-66-3]^	1.3		ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.64	I	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 10:36	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 11:12	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	5A29013	EPA 8260B	01/29/15 11:12	KKW	
4-Bromofluorobenzene	47	1	50.0	94 %	41-142	5A30013	EPA 8260B	01/30/15 10:36	NMC	
Dibromofluoromethane	46	1	50.0	91 %	53-146	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Dibromofluoromethane	45	1	50.0	89 %	53-146	5A30013	EPA 8260B	01/30/15 10:36	NMC	
Toluene-d8	44	1	50.0	88 %	41-146	5A29013	EPA 8260B	01/29/15 11:12	KKW	
Toluene-d8	44	1	50.0	89 %	41-146	5A30013	EPA 8260B	01/30/15 10:36	NMC	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A500029-01

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 09:47

Work Order: A500029

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	5A22045	EPA 7470A	01/29/15 08:22	JMA	

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	5A23020	EPA 6020A	01/27/15 12:54	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	5A23020	EPA 6020A	01/27/15 12:54	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	5A23020	EPA 6020A	01/27/15 12:54	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	5A23020	EPA 6020A	01/27/15 12:54	JMA	
Iron [7439-89-6]^	35800		ug/L	10	380	500	5A23020	EPA 6020A	01/27/15 12:57	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	5A23020	EPA 6020A	01/27/15 12:54	JMA	
Sodium [7440-23-5]^	19.5		mg/L	1	0.320	1.00	5A23020	EPA 6020A	01/27/15 12:54	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]^	4.4		mg/L	5	0.036	0.10	5A28017	EPA 350.1	01/28/15 11:45	KGonz	
Chloride [16887-00-6]^	27		mg/L	1	0.29	5.0	5A23001	EPA 300.0	01/23/15 17:54	RAIfo	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	5A23001	EPA 300.0	01/23/15 17:54	RAIfo	
Sulfate [14808-79-8]^	0.76	I	mg/L	1	0.07	5.0	5A23001	EPA 300.0	01/23/15 17:54	RAIfo	
Total Dissolved Solids^	740		mg/L	1	10	10	5A28047	SM 2540C-1997	01/29/15 11:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	0.21		mg/L	1	0.00	0.00	5A27024	Field	01/23/15 09:47	MCC	
pH	6.36		pH Units	1			5A27024	Field	01/23/15 09:47	MCC	
Specific Conductance (EC)	1368		umhos/cm	1	0	0	5A27024	Field	01/23/15 09:47	MCC	
Temperature	26.38		°C	1	0.00	0.00	5A27024	Field	01/23/15 09:47	MCC	
Turbidity	0.00		NTU	1	0.00	0.00	5A27024	Field	01/23/15 09:47	MCC	
Water Elevation	43.39		Ft	1			5A27024	Field	01/23/15 09:47	MCC	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A500029-02

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 11:16

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	QL-02, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 11:05	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 11:40	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	38	1	50.0	77 %	41-142	5A29013	EPA 8260B	01/29/15 11:40	KKW	
4-Bromofluorobenzene	47	1	50.0	93 %	41-142	5A30013	EPA 8260B	01/30/15 11:05	NMC	
Dibromofluoromethane	45	1	50.0	91 %	53-146	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Dibromofluoromethane	46	1	50.0	92 %	53-146	5A30013	EPA 8260B	01/30/15 11:05	NMC	
Toluene-d8	43	1	50.0	87 %	41-146	5A29013	EPA 8260B	01/29/15 11:40	KKW	
Toluene-d8	44	1	50.0	88 %	41-146	5A30013	EPA 8260B	01/30/15 11:05	NMC	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A500029-02

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 11:16

Work Order: A500029

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]^	0.0423	I	ug/L	1	0.0230	0.200	5A22045	EPA 7470A	01/29/15 08:25	JMA	

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	5A23020	EPA 6020A	01/27/15 13:01	JMA	
Arsenic [7440-38-2]^	14.9		ug/L	1	6.10	10.0	5A23020	EPA 6020A	01/27/15 13:01	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	5A23020	EPA 6020A	01/27/15 13:01	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	5A23020	EPA 6020A	01/27/15 13:01	JMA	
Iron [7439-89-6]^	19600		ug/L	10	380	500	5A23020	EPA 6020A	01/27/15 13:05	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	5A23020	EPA 6020A	01/27/15 13:01	JMA	
Sodium [7440-23-5]^	54.4		mg/L	1	0.320	1.00	5A23020	EPA 6020A	01/27/15 13:01	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	5A28017	EPA 350.1	01/28/15 11:28	KGonz	
Chloride [16887-00-6]^	21		mg/L	1	0.29	5.0	5A23001	EPA 300.0	01/23/15 18:08	RAIfo	
Nitrate as N [14797-55-8]^	0.73	I	mg/L	1	0.052	1.0	5A23001	EPA 300.0	01/23/15 18:08	RAIfo	
Sulfate [14808-79-8]^	890		mg/L	10	0.66	50	5A23001	EPA 300.0	01/23/15 18:36	RAIfo	
Total Dissolved Solids^	2000		mg/L	1	10	10	5A28047	SM 2540C-1997	01/29/15 11:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	0.19		mg/L	1	0.00	0.00	5A27024	Field	01/23/15 11:16	MCC	
pH	6.57		pH Units	1			5A27024	Field	01/23/15 11:16	MCC	
Specific Conductance (EC)	2047		umhos/cm	1	0	0	5A27024	Field	01/23/15 11:16	MCC	
Temperature	24.61		°C	1	0.00	0.00	5A27024	Field	01/23/15 11:16	MCC	
Turbidity	4.00		NTU	1	0.00	0.00	5A27024	Field	01/23/15 11:16	MCC	
Water Elevation	43.50		Ft	1			5A27024	Field	01/23/15 11:16	MCC	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A500029-03

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 09:15

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	QL-02, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 11:35	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 12:09	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	5A29013	EPA 8260B	01/29/15 12:09	KKW	
4-Bromofluorobenzene	47	1	50.0	95 %	41-142	5A30013	EPA 8260B	01/30/15 11:35	NMC	
Dibromofluoromethane	45	1	50.0	91 %	53-146	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Dibromofluoromethane	44	1	50.0	89 %	53-146	5A30013	EPA 8260B	01/30/15 11:35	NMC	
Toluene-d8	45	1	50.0	90 %	41-146	5A29013	EPA 8260B	01/29/15 12:09	KKW	
Toluene-d8	44	1	50.0	87 %	41-146	5A30013	EPA 8260B	01/30/15 11:35	NMC	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A500029-03

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 09:15

Work Order: A500029

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	5A22045	EPA 7470A	01/29/15 08:28	JMA	

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	5A23020	EPA 6020A	01/27/15 13:08	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	5A23020	EPA 6020A	01/27/15 13:08	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	5A23020	EPA 6020A	01/27/15 13:08	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	5A23020	EPA 6020A	01/27/15 13:08	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	5A23020	EPA 6020A	01/27/15 13:08	JMA	
Lead [7439-92-1]^	2.00	I	ug/L	1	1.60	5.00	5A23020	EPA 6020A	01/27/15 13:08	JMA	
Sodium [7440-23-5]^	2.73		mg/L	1	0.320	1.00	5A23020	EPA 6020A	01/27/15 13:08	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	5A28017	EPA 350.1	01/28/15 11:10	KGonz	
Chloride [16887-00-6]^	1.5	I	mg/L	1	0.29	5.0	5A23001	EPA 300.0	01/23/15 18:50	RAIfo	
Nitrate as N [14797-55-8]^	0.87	I	mg/L	1	0.052	1.0	5A23001	EPA 300.0	01/23/15 18:50	RAIfo	
Sulfate [14808-79-8]^	11		mg/L	1	0.07	5.0	5A23001	EPA 300.0	01/23/15 18:50	RAIfo	
Total Dissolved Solids^	440		mg/L	1	10	10	5A28047	SM 2540C-1997	01/29/15 11:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	0.45		mg/L	1	0.00	0.00	5A27024	Field	01/23/15 09:15	MCC	
pH	6.67		pH Units	1			5A27024	Field	01/23/15 09:15	MCC	
Specific Conductance (EC)	769		umhos/cm	1	0	0	5A27024	Field	01/23/15 09:15	MCC	
Temperature	23.13		°C	1	0.00	0.00	5A27024	Field	01/23/15 09:15	MCC	
Turbidity	2.20		NTU	1	0.00	0.00	5A27024	Field	01/23/15 09:15	MCC	
Water Elevation	43.62		Ft	1			5A27024	Field	01/23/15 09:15	MCC	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A500029-04

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 10:14

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	QL-02, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 12:04	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 12:37	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	82 %	41-142	5A29013	EPA 8260B	01/29/15 12:37	KKW	
4-Bromofluorobenzene	47	1	50.0	94 %	41-142	5A30013	EPA 8260B	01/30/15 12:04	NMC	
Dibromofluoromethane	46	1	50.0	91 %	53-146	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Dibromofluoromethane	44	1	50.0	89 %	53-146	5A30013	EPA 8260B	01/30/15 12:04	NMC	
Toluene-d8	45	1	50.0	91 %	41-146	5A29013	EPA 8260B	01/29/15 12:37	KKW	
Toluene-d8	44	1	50.0	89 %	41-146	5A30013	EPA 8260B	01/30/15 12:04	NMC	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A500029-04

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 10:14

Work Order: A500029

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]^	0.208		ug/L	1	0.0230	0.200	5A22045	EPA 7470A	01/29/15 08:31	JMA	

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]^	112		ug/L	1	68.0	100	5A23020	EPA 6020A	01/27/15 13:12	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	5A23020	EPA 6020A	01/27/15 13:12	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	5A23020	EPA 6020A	01/27/15 13:12	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	5A23020	EPA 6020A	01/27/15 13:12	JMA	
Iron [7439-89-6]^	1520		ug/L	1	38.0	50.0	5A23020	EPA 6020A	01/27/15 13:12	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	5A23020	EPA 6020A	01/27/15 13:12	JMA	
Sodium [7440-23-5]^	10.9		mg/L	1	0.320	1.00	5A23020	EPA 6020A	01/27/15 13:12	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]^	0.050		mg/L	1	0.0073	0.020	5A28017	EPA 350.1	01/28/15 11:19	KGonz	
Chloride [16887-00-6]^	7.1		mg/L	1	0.29	5.0	5A23001	EPA 300.0	01/23/15 19:05	RAIfo	
Nitrate as N [14797-55-8]^	1.7		mg/L	1	0.052	1.0	5A23001	EPA 300.0	01/23/15 19:05	RAIfo	
Sulfate [14808-79-8]^	42		mg/L	1	0.07	5.0	5A23001	EPA 300.0	01/23/15 19:05	RAIfo	
Total Dissolved Solids^	530		mg/L	1	10	10	5A28047	SM 2540C-1997	01/29/15 11:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	0.11		mg/L	1	0.00	0.00	5A27024	Field	01/23/15 10:14	MCC	
pH	6.38		pH Units	1			5A27024	Field	01/23/15 10:14	MCC	
Specific Conductance (EC)	842		umhos/cm	1	0	0	5A27024	Field	01/23/15 10:14	MCC	
Temperature	24.55		°C	1	0.00	0.00	5A27024	Field	01/23/15 10:14	MCC	
Turbidity	1.80		NTU	1	0.00	0.00	5A27024	Field	01/23/15 10:14	MCC	
Water Elevation	43.50		Ft	1			5A27024	Field	01/23/15 10:14	MCC	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A500029-05

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 08:49

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	QL-02, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	QV-01
Chloroform [67-66-3]^	0.99	I	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.87	I	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 12:32	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 13:06	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	78 %	41-142	5A29013	EPA 8260B	01/29/15 13:06	KKW	
4-Bromofluorobenzene	47	1	50.0	94 %	41-142	5A30013	EPA 8260B	01/30/15 12:32	NMC	
Dibromofluoromethane	45	1	50.0	90 %	53-146	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Dibromofluoromethane	46	1	50.0	92 %	53-146	5A30013	EPA 8260B	01/30/15 12:32	NMC	
Toluene-d8	43	1	50.0	87 %	41-146	5A29013	EPA 8260B	01/29/15 13:06	KKW	
Toluene-d8	44	1	50.0	87 %	41-146	5A30013	EPA 8260B	01/30/15 12:32	NMC	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A500029-05

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 08:49

Work Order: A500029

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	5A22045	EPA 7470A	01/29/15 08:34	JMA	

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	5A23020	EPA 6020A	01/27/15 13:16	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	5A23020	EPA 6020A	01/27/15 13:16	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	5A23020	EPA 6020A	01/27/15 13:16	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	5A23020	EPA 6020A	01/27/15 13:16	JMA	
Iron [7439-89-6]^	15800		ug/L	10	380	500	5A23020	EPA 6020A	01/27/15 13:19	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	5A23020	EPA 6020A	01/27/15 13:16	JMA	
Sodium [7440-23-5]^	34.2		mg/L	1	0.320	1.00	5A23020	EPA 6020A	01/27/15 13:16	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	4.9		mg/L	5	0.036	0.10	5A28017	EPA 350.1	01/28/15 11:29	KGonz	
Chloride [16887-00-6]^	39		mg/L	1	0.29	5.0	5A23001	EPA 300.0	01/23/15 19:24	RAIfo	
Nitrate as N [14797-55-8]^	0.95	I	mg/L	1	0.052	1.0	5A23001	EPA 300.0	01/23/15 19:24	RAIfo	
Sulfate [14808-79-8]^	2.6	I	mg/L	1	0.07	5.0	5A23001	EPA 300.0	01/23/15 19:24	RAIfo	
Total Dissolved Solids^	680		mg/L	1	10	10	5A28047	SM 2540C-1997	01/29/15 11:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	0.30		mg/L	1	0.00	0.00	5A27024	Field	01/23/15 08:49	MCC	
pH	6.45		pH Units	1			5A27024	Field	01/23/15 08:49	MCC	
Specific Conductance (EC)	1211		umhos/cm	1	0	0	5A27024	Field	01/23/15 08:49	MCC	
Temperature	24.83		°C	1	0.00	0.00	5A27024	Field	01/23/15 08:49	MCC	
Turbidity	0.800		NTU	1	0.00	0.00	5A27024	Field	01/23/15 08:49	MCC	
Water Elevation	43.40		Ft	1			5A27024	Field	01/23/15 08:49	MCC	

ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: A500029-06

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 10:52

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	QL-02, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	QV-01
Chloroform [67-66-3]^	0.95	I	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 13:01	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 13:35	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	81 %	41-142	5A29013	EPA 8260B	01/29/15 13:35	KKW	
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	5A30013	EPA 8260B	01/30/15 13:01	NMC	
Dibromofluoromethane	46	1	50.0	92 %	53-146	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Dibromofluoromethane	46	1	50.0	92 %	53-146	5A30013	EPA 8260B	01/30/15 13:01	NMC	
Toluene-d8	46	1	50.0	91 %	41-146	5A29013	EPA 8260B	01/29/15 13:35	KKW	
Toluene-d8	43	1	50.0	87 %	41-146	5A30013	EPA 8260B	01/30/15 13:01	NMC	

ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: A500029-06

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 10:52

Work Order: A500029

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	5A22045	EPA 7470A	01/29/15 08:37	JMA	

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	5A23020	EPA 6020A	01/27/15 13:42	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	5A23020	EPA 6020A	01/27/15 13:42	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	5A23020	EPA 6020A	01/27/15 13:42	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	5A23020	EPA 6020A	01/27/15 13:42	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	5A23020	EPA 6020A	01/27/15 13:42	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	5A23020	EPA 6020A	01/27/15 13:42	JMA	
Sodium [7440-23-5]^	12.9		mg/L	1	0.320	1.00	5A23020	EPA 6020A	01/27/15 13:42	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]^	0.0073	U	mg/L	1	0.0073	0.020	5A28017	EPA 350.1	01/28/15 11:21	KGonz	
Chloride [16887-00-6]^	20		mg/L	1	0.29	5.0	5A23001	EPA 300.0	01/23/15 19:38	RAIfo	
Nitrate as N [14797-55-8]^	0.77	I	mg/L	1	0.052	1.0	5A23001	EPA 300.0	01/23/15 19:38	RAIfo	
Sulfate [14808-79-8]^	85		mg/L	1	0.07	5.0	5A23001	EPA 300.0	01/23/15 19:38	RAIfo	
Total Dissolved Solids^	590		mg/L	1	10	10	5A28047	SM 2540C-1997	01/29/15 11:33	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen	0.57		mg/L	1	0.00	0.00	5A27024	Field	01/23/15 10:52	MCC	
pH	6.67		pH Units	1			5A27024	Field	01/23/15 10:52	MCC	
Specific Conductance (EC)	905		umhos/cm	1	0	0	5A27024	Field	01/23/15 10:52	MCC	
Temperature	23.02		°C	1	0.00	0.00	5A27024	Field	01/23/15 10:52	MCC	
Turbidity	2.60		NTU	1	0.00	0.00	5A27024	Field	01/23/15 10:52	MCC	
Water Elevation	43.29		Ft	1			5A27024	Field	01/23/15 10:52	MCC	

ANALYTICAL RESULTS

Description: TRIP BLANK

Lab Sample ID: A500029-07

Received: 01/23/15 14:45

Matrix: Ground Water

Sampled: 01/23/15 00:00

Work Order: A500029

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	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	QL-02, QV-01
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	QV-01
Chloroform [67-66-3]^	0.85	I	ug/L	1	0.80	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5A30013	EPA 8260B	01/30/15 13:30	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	QV-01
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5A29013	EPA 8260B	01/29/15 14:03	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	5A29013	EPA 8260B	01/29/15 14:03	KKW	
4-Bromofluorobenzene	46	1	50.0	93 %	41-142	5A30013	EPA 8260B	01/30/15 13:30	NMC	
Dibromofluoromethane	47	1	50.0	95 %	53-146	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Dibromofluoromethane	45	1	50.0	90 %	53-146	5A30013	EPA 8260B	01/30/15 13:30	NMC	
Toluene-d8	47	1	50.0	94 %	41-146	5A29013	EPA 8260B	01/29/15 14:03	KKW	
Toluene-d8	43	1	50.0	86 %	41-146	5A30013	EPA 8260B	01/30/15 13:30	NMC	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5A29013 - EPA 5030B_MS

Blank (5A29013-BLK1)

Prepared: 01/29/2015 00:00 Analyzed: 01/29/2015 10:15

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	2.1	I	5.0	ug/L							J-01
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	47			ug/L	50.0		95	41-142			
Dibromofluoromethane	51			ug/L	50.0		101	53-146			
Toluene-d8	50			ug/L	50.0		101	41-146			

LCS (5A29013-BS1)

Prepared: 01/29/2015 00:00 Analyzed: 01/29/2015 09:17

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	41		1.0	ug/L	20.0		204	47-139			QL-02
Benzene	22		1.0	ug/L	20.0		112	56-136			
Chlorobenzene	19		1.0	ug/L	20.0		94	51-139			
Toluene	20		1.0	ug/L	20.0		98	64-131			
Trichloroethene	21		1.0	ug/L	20.0		107	62-135			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5A29013 - EPA 5030B_MS - Continued

LCS (5A29013-BS1) Continued

Prepared: 01/29/2015 00:00 Analyzed: 01/29/2015 09:17

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	45			ug/L	50.0		90	41-142			
Dibromofluoromethane	51			ug/L	50.0		101	53-146			
Toluene-d8	50			ug/L	50.0		99	41-146			

Matrix Spike (5A29013-MS1)

Prepared: 01/29/2015 00:00 Analyzed: 01/29/2015 18:20

Source: A500029-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	37		1.0	ug/L	20.0	0.94 U	186	47-139			QM-07
Benzene	22		1.0	ug/L	20.0	1.0	106	56-136			
Chlorobenzene	18		1.0	ug/L	20.0	0.72 U	91	51-139			
Toluene	18		1.0	ug/L	20.0	0.72 U	92	64-131			
Trichloroethene	20		1.0	ug/L	20.0	0.89 U	100	62-135			
4-Bromofluorobenzene	37			ug/L	50.0		75	41-142			
Dibromofluoromethane	47			ug/L	50.0		95	53-146			
Toluene-d8	44			ug/L	50.0		87	41-146			

Matrix Spike Dup (5A29013-MSD1)

Prepared: 01/29/2015 00:00 Analyzed: 01/29/2015 18:49

Source: A500029-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	37		1.0	ug/L	20.0	0.94 U	184	47-139	1	16	QM-07
Benzene	21		1.0	ug/L	20.0	1.0	100	56-136	5	14	
Chlorobenzene	17		1.0	ug/L	20.0	0.72 U	84	51-139	7	13	
Toluene	17		1.0	ug/L	20.0	0.72 U	87	64-131	5	16	
Trichloroethene	19		1.0	ug/L	20.0	0.89 U	96	62-135	4	20	
4-Bromofluorobenzene	38			ug/L	50.0		76	41-142			
Dibromofluoromethane	47			ug/L	50.0		94	53-146			
Toluene-d8	45			ug/L	50.0		90	41-146			

Batch 5A30013 - EPA 5030B_MS

Blank (5A30013-BLK1)

Prepared: 01/30/2015 00:00 Analyzed: 01/30/2015 09:39

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

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5A30013 - EPA 5030B_MS - Continued

Blank (5A30013-BLK1) Continued

Prepared: 01/30/2015 00:00 Analyzed: 01/30/2015 09:39

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	2.0	U	5.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	46			ug/L	50.0		92	41-142			
Dibromofluoromethane	46			ug/L	50.0		91	53-146			
Toluene-d8	44			ug/L	50.0		87	41-146			

LCS (5A30013-BS1)

Prepared: 01/30/2015 00:00 Analyzed: 01/30/2015 08:40

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		93	47-139			
Benzene	18		1.0	ug/L	20.0		90	56-136			
Chlorobenzene	19		1.0	ug/L	20.0		95	51-139			
Toluene	19		1.0	ug/L	20.0		93	64-131			
Trichloroethene	18		1.0	ug/L	20.0		92	62-135			
4-Bromofluorobenzene	47			ug/L	50.0		94	41-142			
Dibromofluoromethane	44			ug/L	50.0		89	53-146			
Toluene-d8	45			ug/L	50.0		89	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 5A22045 - EPA 7470A

Blank (5A22045-BLK1)

Prepared: 01/28/2015 08:59 Analyzed: 01/29/2015 07:50

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

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 5A22045 - EPA 7470A - Continued

LCS (5A22045-BS1)

Prepared: 01/28/2015 08:59 Analyzed: 01/29/2015 07:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.200	ug/L	5.00		94	80-120			

Matrix Spike (5A22045-MS1)

Prepared: 01/28/2015 08:59 Analyzed: 01/29/2015 08:00

Source: A500373-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.10		0.200	ug/L	5.00	0.0230 U	102	75-125			

Matrix Spike Dup (5A22045-MSD1)

Prepared: 01/28/2015 08:59 Analyzed: 01/29/2015 08:03

Source: A500373-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.17		0.200	ug/L	5.00	0.0230 U	103	75-125	1	20	

Post Spike (5A22045-PS1)

Prepared: 01/29/2015 06:00 Analyzed: 01/29/2015 08:06

Source: A500373-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.17		0.200	ug/L	5.61	0.00476	92	80-120			

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

Batch 5A23020 - EPA 3005A

Blank (5A23020-BLK1)

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 11:57

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 (5A23020-BLK2)

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 12:01

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 (5A23020-BS1)

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 12:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1010		100	ug/L	1000		101	80-120			
Arsenic	497		10.0	ug/L	500		99	80-120			

QUALITY CONTROL DATA

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

Batch 5A23020 - EPA 3005A - Continued

LCS (5A23020-BS1) Continued

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 12:08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	49.9		3.00	ug/L	50.0		100	80-120			
Chromium	516		10.0	ug/L	500		103	80-120			
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	510		5.00	ug/L	500		102	80-120			
Sodium	26.6		1.00	mg/L	25.0		106	80-120			

Matrix Spike (5A23020-MS1)

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 12:16

Source: A500381-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	998		100	ug/L	1000	68.0 U	100	75-125			
Arsenic	516		10.0	ug/L	500	6.10 U	103	75-125			
Cadmium	49.5		3.00	ug/L	50.0	1.10 U	99	75-125			
Chromium	509		10.0	ug/L	500	4.50 U	102	75-125			
Iron	19400	L	50.0	ug/L	1000	18300	108	75-125			E
Lead	491		5.00	ug/L	500	1.60 U	98	75-125			
Sodium	45.6		1.00	mg/L	25.0	20.2	102	75-125			

Matrix Spike Dup (5A23020-MSD1)

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 12:20

Source: A500381-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1010		100	ug/L	1000	68.0 U	101	75-125	1	20	
Arsenic	488		10.0	ug/L	500	6.10 U	98	75-125	5	20	
Cadmium	49.5		3.00	ug/L	50.0	1.10 U	99	75-125	0.008	20	
Chromium	509		10.0	ug/L	500	4.50 U	102	75-125	0.08	20	
Iron	19400	L	50.0	ug/L	1000	18300	113	75-125	0.3	20	E
Lead	501		5.00	ug/L	500	1.60 U	100	75-125	2	20	
Sodium	45.9		1.00	mg/L	25.0	20.2	103	75-125	0.6	20	

Post Spike (5A23020-PS1)

Prepared: 01/27/2015 09:00 Analyzed: 01/27/2015 12:23

Source: A500381-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	97.0		10.0	ug/L	98.0	0.995	98	80-120			
Arsenic	50.7		1.00	ug/L	49.0	-0.0767	103	80-120			
Cadmium	4.95		0.300	ug/L	4.90	-0.00990	101	80-120			
Chromium	51.0		1.00	ug/L	49.0	0.0971	104	80-120			
Iron	1920	L	5.00	ug/L	98.0	1790	128	80-120			E, QM-08
Lead	50.3		0.500	ug/L	49.0	-0.0360	103	80-120			
Sodium	4490		100	ug/L	2450	1980	102	80-120			

Batch AA32301 - 5A23020

Serial Dilution (AA32301-SRD2)

Prepared: 01/26/2015 08:40 Analyzed: 01/27/2015 12:31

Source: A500381-01RE1

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	19600		500	ug/L		18700			5		

Classical Chemistry Parameters - Quality Control

Batch 5A23001 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 5A23001 - NO PREP - Continued

Blank (5A23001-BLK1)

Prepared: 01/23/2015 12:10 Analyzed: 01/23/2015 12:48

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 (5A23001-BS1)

Prepared: 01/23/2015 12:10 Analyzed: 01/23/2015 13:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	53		5.0	mg/L	50.0		106	90-110			
Nitrate as N	11		1.0	mg/L	10.0		106	90-110			
Sulfate	53		5.0	mg/L	50.0		105	90-110			

Matrix Spike (5A23001-MS1)

Prepared: 01/23/2015 13:52 Analyzed: 01/23/2015 14:52

Source: A500388-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	58		5.0	mg/L	50.0	3.7	109	90-110			
Nitrate as N	14		1.0	mg/L	10.0	3.1	109	90-110			
Sulfate	54		5.0	mg/L	50.0	0.78	107	90-110			

Matrix Spike Dup (5A23001-MSD1)

Prepared: 01/23/2015 13:52 Analyzed: 01/23/2015 15:07

Source: A500388-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	56		5.0	mg/L	50.0	3.7	105	90-110	3	10	
Nitrate as N	14		1.0	mg/L	10.0	3.1	105	90-110	3	10	
Sulfate	52		5.0	mg/L	50.0	0.78	103	90-110	3	10	

Batch 5A27007 - NO PREP

Blank (5A27007-BLK1)

Prepared: 01/27/2015 08:30 Analyzed: 01/27/2015 09:13

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

LCS (5A27007-BS1)

Prepared: 01/27/2015 08:30 Analyzed: 01/27/2015 09:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0		109	90-110			

Matrix Spike (5A27007-MS1)

Prepared: 01/27/2015 10:30 Analyzed: 01/27/2015 11:23

Source: A500082-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.46	104	90-110			

Matrix Spike Dup (5A27007-MSD1)

Prepared: 01/27/2015 10:30 Analyzed: 01/27/2015 11:38

Source: A500082-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.46	101	90-110	3	10	

Batch 5A28017 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 5A28017 - NO PREP - Continued

Blank (5A28017-BLK1)

Prepared: 01/28/2015 09:04 Analyzed: 01/28/2015 11:00

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

LCS (5A28017-BS1)

Prepared: 01/28/2015 09:04 Analyzed: 01/28/2015 11:07

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00		105	90-110			

Matrix Spike (5A28017-MS1)

Prepared: 01/28/2015 09:04 Analyzed: 01/28/2015 11:46

Source: A500029-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	5.4		0.10	mg/L	1.00	4.4	100	90-110			

Matrix Spike Dup (5A28017-MSD1)

Prepared: 01/28/2015 09:04 Analyzed: 01/28/2015 11:47

Source: A500029-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	5.4		0.10	mg/L	1.00	4.4	95	90-110	0.9	10	

Batch 5A28023 - NO PREP

Blank (5A28023-BLK1)

Prepared: 01/28/2015 12:00 Analyzed: 01/28/2015 12:18

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

LCS (5A28023-BS1)

Prepared: 01/28/2015 12:00 Analyzed: 01/28/2015 12:32

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0		110	90-110			

Matrix Spike (5A28023-MS1)

Prepared: 01/28/2015 12:00 Analyzed: 01/28/2015 12:47

Source: A500502-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.052 U	111	90-110			QM-07

Matrix Spike Dup (5A28023-MSD1)

Prepared: 01/28/2015 12:00 Analyzed: 01/28/2015 13:02

Source: A500502-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.052 U	107	90-110	4	10	

Batch 5A28047 - NO PREP

Blank (5A28047-BLK1)

Prepared: 01/28/2015 16:07 Analyzed: 01/29/2015 11:33

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

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 5A28047 - NO PREP - Continued

LCS (5A28047-BS1)

Prepared: 01/28/2015 16:07 Analyzed: 01/29/2015 11:33

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

Duplicate (5A28047-DUP1)

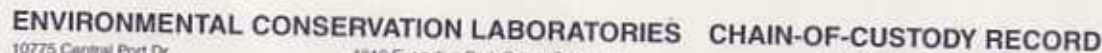
Prepared: 01/28/2015 16:07 Analyzed: 01/29/2015 11:33

Source: A500029-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>POL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Total Dissolved Solids	730		10	mg/L		740			1	5	

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
J-01	Result is estimated due to positive results in the associated method blank.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
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-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.



102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3000 Fax (919) 467-3515

Page 1 of 1

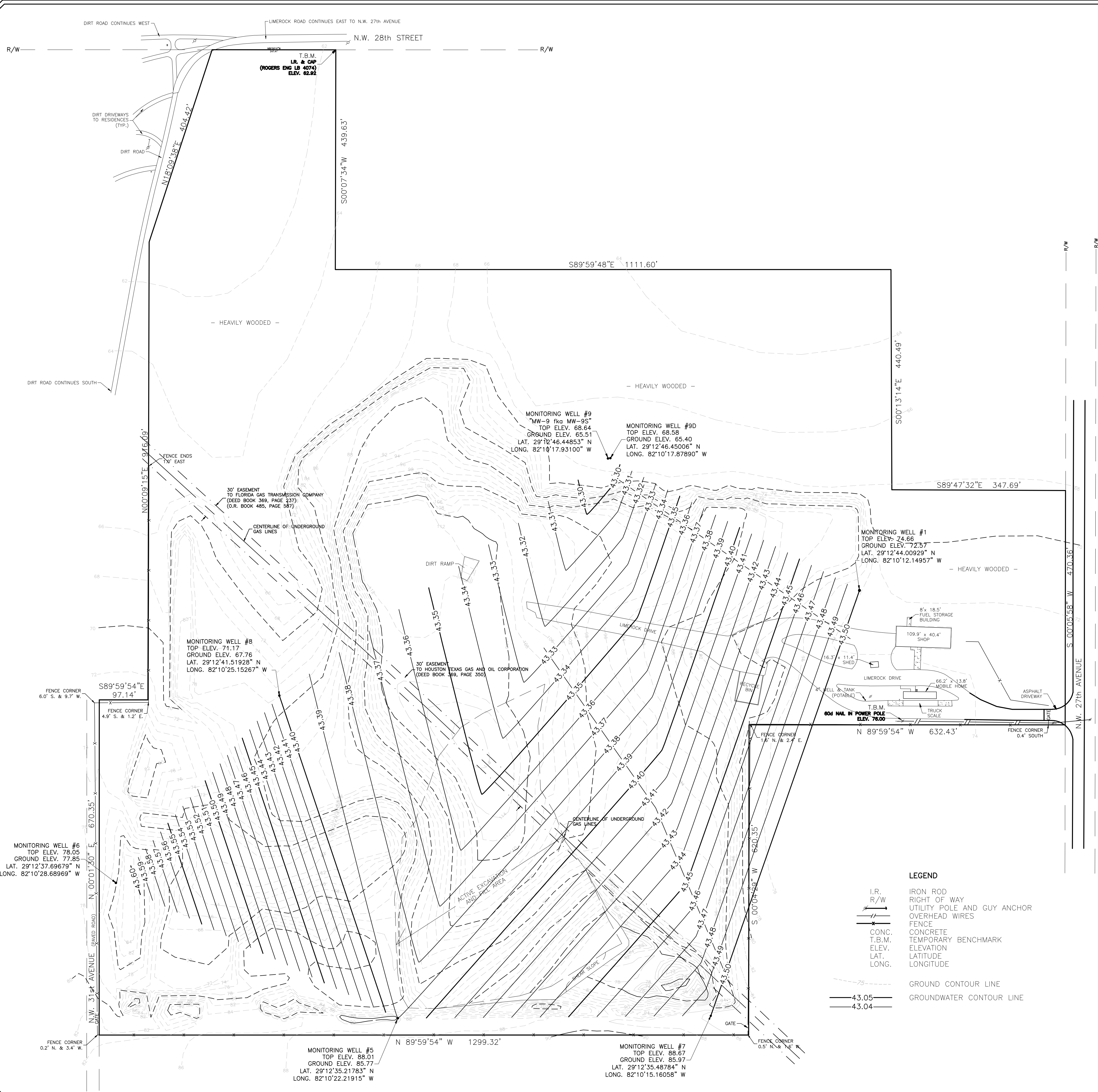
Sample Kit Prepared By BNA	Date/Time 1-6-15 1315	Relinquished By Brandy Hart	Date/Time 1-6-15 1315		Received By [Signature]	Date/Time 1-7-15 1520
Comments/Special Reporting Requirements		Relinquished By [Signature]	Date/Time 1-23-15 1315	Received By [Signature]	Date/Time 1/23 1315	
		Relinquished By [Signature]	Date/Time 1/23 1445	Received By [Signature]	Date/Time 1/23/2015	
	Cooler #'s & Temps on Receipt LG-1A 1°C	Condition Upon Receipt [Signature] Acceptable		Unacceptable		

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

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

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

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



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

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

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

ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS 15290 SE HWY 42, PO BOX 152 WEIRSDALE, FLORIDA 32195 PHONE: (352) 694-1799 FAX: (866) 832-0250		FRIENDS RECYCLING, LLC. MARION COUNTY, FLORIDA		GROUNDWATER CONTOURS		PLOTTED: RMC-3 N/A DRAWN: RMC-3 N/A DESIGNED: RMC-3 N/A CHECKED: RMC-3 N/A SCALE: 1" = 100'	REVISIONS Groundwater contours revised 1-23-2015
SITE PLAN							
P.N. 2009-							
Sht. 1 of 1							