
SEMI-ANNUAL MONITORING REPORT

SECOND HALF 2013

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

PREPARED FOR:

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

PREPARED BY:

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

August 28, 2013



August 28, 2013

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the Second Half of 2013
Friends Recycling C&D Landfill
Marion County, Florida

Dear Mr. Giunarelli:

Per your request, Enviro-Technologies, Inc. (ETI) has completed the semi-annual groundwater monitoring report for the second half of 2013 groundwater sampling activities on Monitoring Wells: MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9S. Information about the individual wells is provided in the Appendix of this report.

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

PROJECT LOCATION

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

GROUNDWATER QUALITY ASSESSMENT

On July 18, 2013, (date of the sample collection), ground water samples were collected from MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9S, shown in the Topographic Survey provided by Robert L. Rogers Engineering Co., Inc. All collected groundwater samples were delivered to Environmental Conservation Laboratories, Inc. (ENCO) for analyses.

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

GROUNDWATER ANALYTICAL RESULTS

Copies of the laboratory analytical results and chain-of-custody forms and a sample detection summary of the analytical results of each monitoring well for the July 18, 2013 sampling event are provided in the Appendix. 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
Iron - Total	3450	300	ug/L	EPA 6020
Sulfate	810	250	mg/L	EPA 300.0
Total Dissolved Solids	1700	500	mg/L	SM182540C

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Benzene	1.4	1.0	ug/L	EPA 8260B
Iron - Total	34,900	300	ug/L	EPA 6020
Total Dissolved Solids	750	500	mg/L	SM182540C

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
Total Dissolved Solids	550	500	mg/L	SM18 2540C

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	2.8	2.8	mg/L	EPA 350.1
Iron - Total	13,200	300	ug/L	EPA 6020
Total Dissolved Solids	650	500	mg/L	SM18 2540C

MW-9S

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	590	500	mg/L	SM18 2540C

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

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

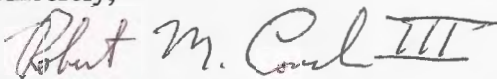
Total Dissolved Solids in all monitoring wells except for MW-6 sampled were higher than GTCLs for this sampling event. All of the higher concentrations are expected to be the result of changes in rainfall amounts.

The items that were observed to be above the GCTL's were common to groundwater in the Marion County area, except for the Benzene in MW-5 which was 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.

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.

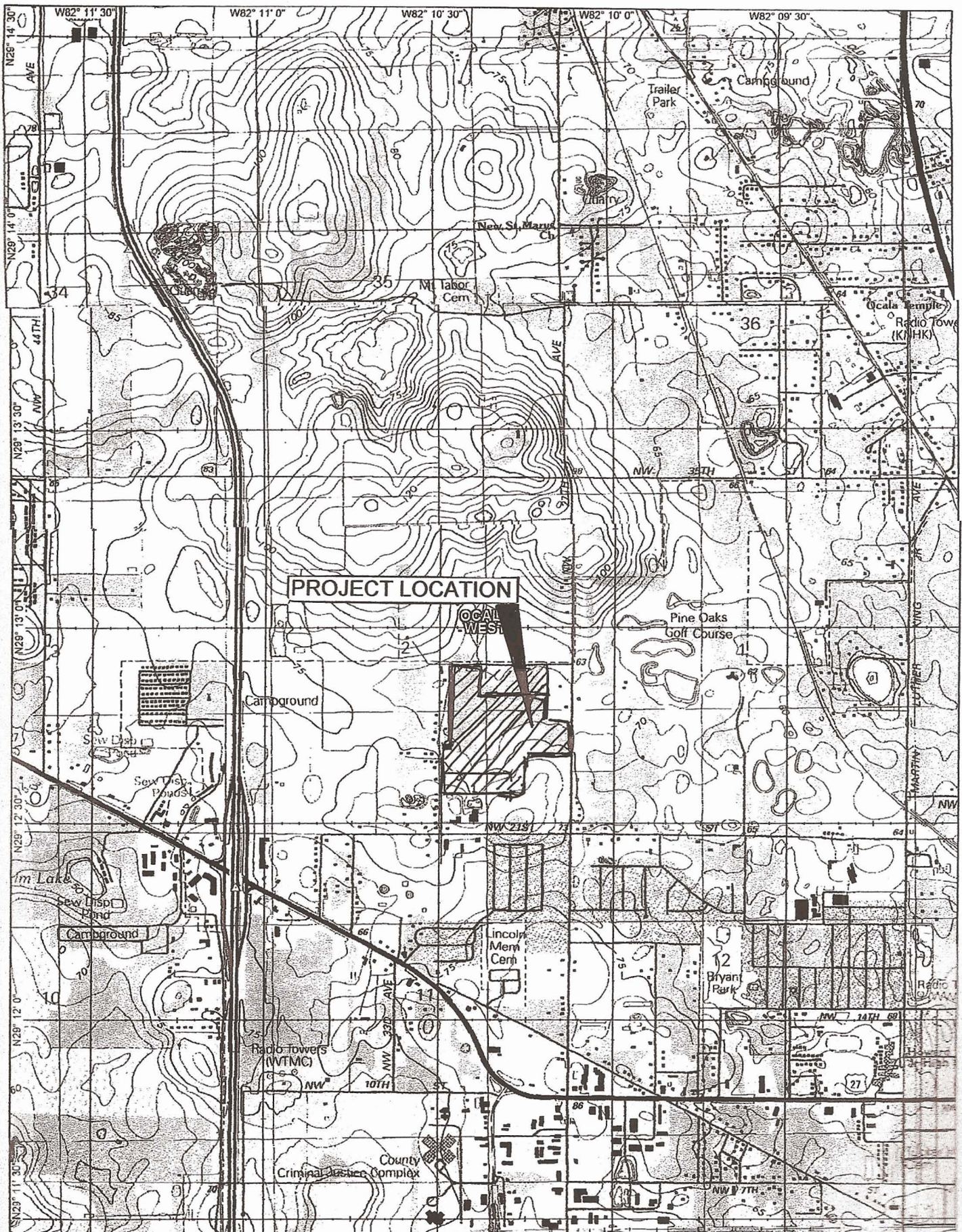
Sincerely,

A handwritten signature in dark ink, appearing to read "Robert M. Couch III". The signature is fluid and cursive, with the last name "Couch" being more prominent.

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

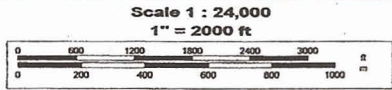
CC: Tom Lubozynski - Florida Department of Environmental Protection

APPENDIX



DELOME

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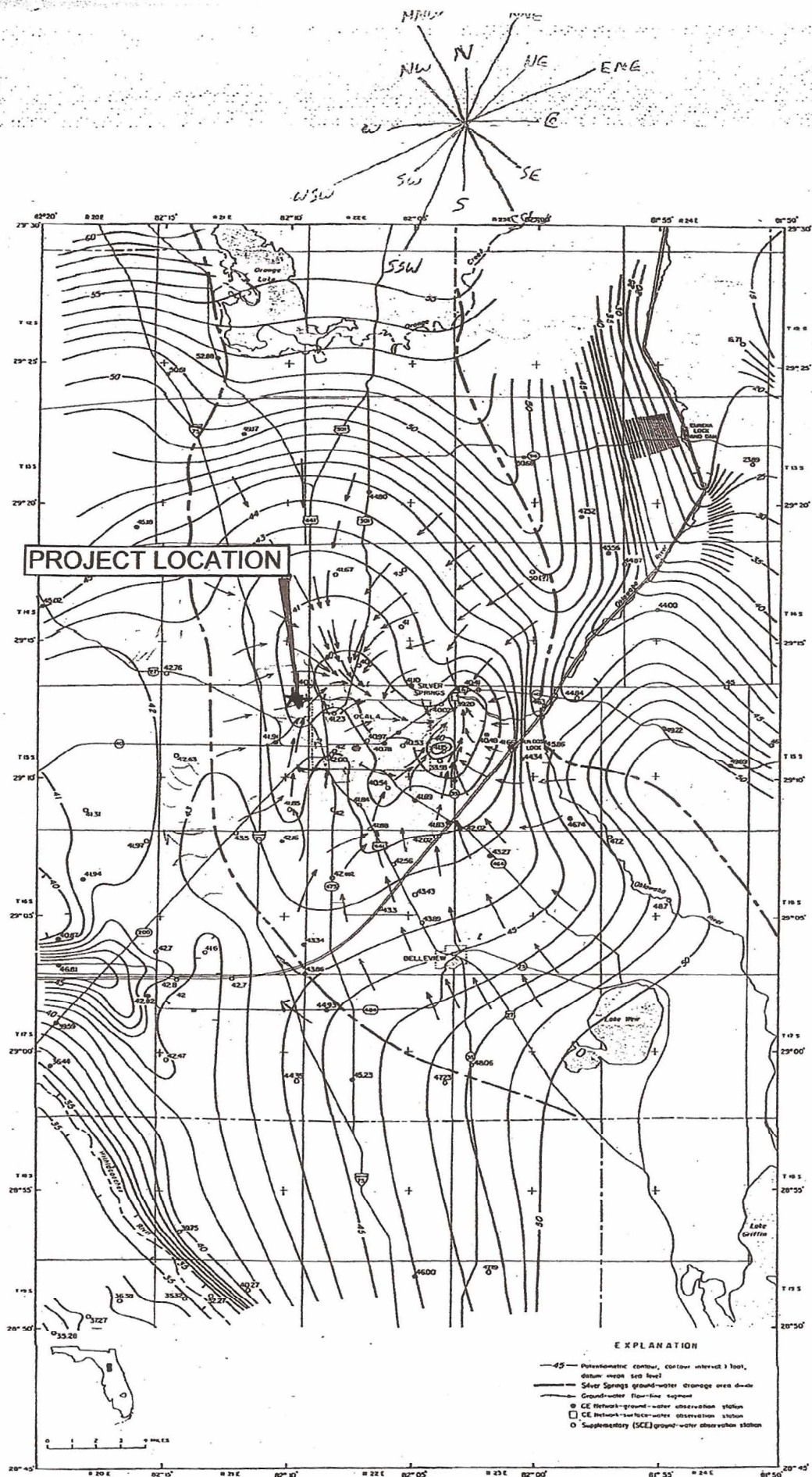


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-1		WACS_WELL: 18811	DATE: 07 / 18 / 13

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: unk. feet to unk. feet	STATIC DEPTH TO WATER (feet): 33.87	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 - 33.87 feet) X .16 gallons/foot = 1.53 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				

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)									

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S) 			SAMPLING INITIATED AT: 0913		SAMPLING ENDED AT: 0917	
PUMP OR TUBING DEPTH IN WELL (feet): 35.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		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-1	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100	
MW-1	1	PE	250mL	HNO ₃	None	L2	Metals	ESP	≈ 1135	
MW-1	1	AG	250mL	H ₂ SO ₄	None	L2	Ammonia (350.1) Phenols	ESP	≈ 1135	
MW-1	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135	
MW-1	2	CG	40mL	4° C	None	Not Req'd	8011	ESP	≈	
				(7/18/13)						

REMARKS: 8011 added for permit renewal *Slowed pump to sample* *8011 Not required for this Event*

DTW = 33.87 Reference Elevation = 74.66 GWTE = 40.79 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; 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:** $\pm 5\%$ **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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-5		WACS_WELL: 22912	DATE: 07 / 18 / 13

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0950		SAMPLING ENDED AT: 0954	
PUMP OR TUBING DEPTH IN WELL (feet): 48.50				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-5	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100	
MW-5	1	PE	250mL	HNO ₃	None	12	Metals	ESP	≈ 1135	
MW-5	1	AG	250mL	H ₂ SO ₄	None	12	Ammonia (350.1) Phenols	ESP	≈ 1135	
MW-5	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135	
MW-5	2	CG	40mL	4° C	None	Not Req'd	8011	ESP	≈	

REMARKS: 8011 added for permit renewal		slowed pump to sample		Sheen	
				Will not be required for this event	
DTW = 47.31		Reference Elevation = 88.01		GWTE = 40.70	
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)			

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-6	WACS_WELL: 22913		DATE: 07 / 18 / 13

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1018		SAMPLING ENDED AT: 1022	
PUMP OR TUBING DEPTH IN WELL (feet): 39.00				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-6	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100	
MW-6	1	PE	250mL	HNO ₃	None	22	Metals	ESP	≈ 1135	
MW-6	1	AG	250mL	H ₂ SO ₄	None	22	Ammonia (350.1) Phenols	ESP	≈ 1135	
MW-6	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 1135	
MW-6	2	CG	40mL	4° C	None	Not Req'd	8011	ESP	≈	
				7/18/13						
REMARKS: 8011 added for permit renewal slowed pump to sample 8011 Not returned for this event										
DTW = 37.09 Reference Elevation = 78.05 GWTE = 40.94 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = 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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-7		WACS_WELL: 22914	DATE: 07 / 18 / 13

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: 41 feet to 51 feet		STATIC DEPTH TO WATER (feet): 47.85		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) $= (53.80 \text{ feet} - 47.85 \text{ feet}) \times .16 \text{ gallons/foot} = .95 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \quad \text{gallons} + (\quad \text{gallons/foot} \times \quad \text{feet}) + \quad \text{gallons} = \quad \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 49.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50.00			PURGING INITIATED AT: 1115		PURGING ENDED AT: 1126		TOTAL VOLUME PURGED (gallons): 2.20	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1120	1.00	1.00	.20	49.21	6.69	25.24	691	.17	3.60	Clear	None
1123	.60	1.60	.20	49.21	6.60	25.25	703	.16	2.30	Clear	None
1126	.60	2.20	.20	49.21	6.61	25.31	711	.14	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: 1126		SAMPLING ENDED AT: 1131	
PUMP OR TUBING DEPTH IN WELL (feet): 50.00				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-7	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	≈ 100	
MW-7	1	PE	250mL	HNO ₃	None		Metals	ESP	≈ 757	
MW-7	1	AG	250mL	H ₂ SO ₄	None		Ammonia (350.1) Phenols	ESP	≈ 757	
MW-7	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	≈ 757	
MW-7	2	CG	40mL	4° C	None	Not Req'd	8011	ESP	≈	
7/18/13 1126										

REMARKS: 8011 added for permit renewal

2011 not required for this event

DTW = 47.85 Reference Elevation = 88.67 GWTE = 40.82 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

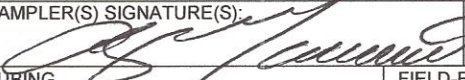
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-8		WACS_WELL: 22915	DATE: 07 / 18 / 13

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet		STATIC DEPTH TO WATER (feet): 30.34		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) $= (34.24 \text{ feet} - 38.34 \text{ feet}) \times .16 \text{ gallons/foot} = .62 \text{ gallons}$											
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): 31.50			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.50			PURGING INITIATED AT: 1040		PURGING ENDED AT: 1050		TOTAL VOLUME PURGED (gallons): 2.50	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1044	1.00	1.00	.25	30.49	6.56	25.32	978	.22	1.90	Clear	None
1047	.75	1.75	.25	30.49	6.53	25.44	990	.26	1.70	Clear	None
1050	.75	2.50	.25	30.49	6.53	25.46	994	.22	.90	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: 1050		SAMPLING ENDED AT: 1055	
PUMP OR TUBING DEPTH IN WELL (feet): 31.50				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	62	Metals	ESP	~ 946	
MW-8	1	AG	250mL	H ₂ SO ₄	None	62	Ammonia (350.1) Phenols	ESP	~ 946	
MW-8	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	~ 946	
MW-8	2	CG	40mL	4° C	None	Not Req'd	8011	ESP	~	
10/10/13										

REMARKS: ~~8011 added for permit renewal~~

DTW = 30.34 Reference Elevation = 71.17 GWTE = 40.83 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

SITE NAME: Friends Recycling		SITE LOCATION: Marion County, Florida	
MONITORING_SITE_NUM: MW-9S		WACS_WELL: 22916	DATE: 07 / 18 / 13

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0847		SAMPLING ENDED AT: 0851	
PUMP OR TUBING DEPTH IN WELL (feet): 29.00				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-9S	3	CG	40mL	HCL	None	Not Req'd	8260 (Arom / Halo)	ESP	~ 100	
MW-9S	1	PE	250mL	HNO ₃	None	12	Metals	ESP	~ 1135	
MW-9S	1	AG	250mL	H ₂ SO ₄	None	12	Ammonia (350.1) Phenols	ESP	~ 1135	
MW-9S	1	PE	250mL	4° C	None	Not Req'd	Chloride, Nitrate, Sulfate, TDS	ESP	~ 1135	
MW-9S	2	CG	40mL	4° C	None	Not Req'd	8011	ESP	~	
			10-11-13							

DTW = 28.04 Reference Elevation = 68.64 GWTE = 40.60

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 $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009



CALIBRATION LOG

ITS Work Order Number:

FRL-10-071813

CLIENT: Friends Recycling

ADDRESS: 2350 NW 27th Ave.

CITY, STATE: Ocala, FL 34475

Site: Friends Recycling C&D Landfill

START CAL DATE @ TIME: 07/18/13 @ 6730

END CALIBRATION DATE @ TIME: 07/18/13 @ 1500

Page 1 of 1

YSI 556 MULTI PARAMETER METER - S/N 05G1942 AI (ITS #2) REV 5.22

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 TEMP READING		LOT NUMBER	DATE PERFORMED (Quarterly)
	INITIAL	CCV					LOW	HIGH		
4.005	4.00	3.99	✓	cc163104	Aug-13					
7.000	7.00	7.02	7.00	cc148108	Oct-13	LOW 4.90	4.94		NA	04/10/13
10.012	10.00	9.99	✓	cc163104	Aug-14	HIGH 30.50		30.53		04/10/13

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 °C unless otherwise noted. YSI is checked against ERTCO once per Quarter

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

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	.19	.18	2AH331	Aug-13
fresh air @				
26.14 °C	8.09			
28.90 °C		7.71		

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	2AF201	Jun-13
2,764	2,764	2,773	2AF515	Jun-13
447	NM	NM	NA	NA
84	84	84	2AG014	Jul-13

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	3AB760	Apr-13
400	NM	NM	2AK075	Nov-13

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

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

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

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

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: Partly Cloudy 85-90°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #041113101WF2330714BB

Exp Date 10/31/14

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 5.22 on 04/15/13: Update ORP Cal Solutions

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

COPY TO: Nick Giumarelli

SIGNED:

Chris Monaco or Karen LeBeau



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

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)						Requested Turnaround Times	Note: Rush requests subject to acceptance by the facility	Lab Workorder A303735
							8260B Arom/Halo	Al, As, Cd, Cr, Fe, Na, Pb, Sb, Ti, V	Ammonia 350.1	Chloride 300, Nitrate as N 300, Sulfate 300	Hg	Phenols 420.1	TDS SM2540C		
	MW-9S	7-18-13	0851	Grab	GW	6	X	X	X	X	X	X	X		
	MW-1	7-18-13	0917	Grab	GW	6	X	X	X	X	X	X	X		
	MW-5	7-18-13	0954	Grab	GW	6	X	X	X	X	X	X	X		
	MW-6	7-18-13	1022	Grab	GW	6	X	X	X	X	X	X	X		
	MW-8	7-18-13	1055	Grab	GW	6	X	X	X	X	X	X	X		
	MW-7	7-18-13	1131	Grab	GW	6	X	X	X	X	X	X	X		
	trip blank	-	-	Grab	0	2	X	-	-	-	-	-	-		O-Cab Diwater

Sample Kit Prepared By 	Date/Time 7-1-13	Relinquished By 	Date/Time 7-5-13 15:50	Received By 	Date/Time 7-5-13 1200
Comments/Special Reporting Requirements		Relinquished By 	Date/Time 7-18-13 1300	Received By 	Date/Time 7-18-13 1300
		Relinquished By 	Date/Time 7-18-13 1345	Received By 	Date/Time 7/18 1345
Cooler #'s & Temps on Receipt			Condition Upon Receipt		
			Acceptable Unacceptable		



ENCO Laboratories

Accurate.

Timely.

Responsive.

Innovative.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945

Friday, July 26, 2013

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): A303735

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, July 18, 2013.

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

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

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

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

Sincerely,

Marcia Colon

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-9S	Lab ID: A303735-01	Sampled: 07/18/13 08:51	Received: 07/18/13 15:15
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	07/20/13 08:51	07/18/13 14:35	7/18/2013 20:18
EPA 300.0	08/15/13	07/18/13 14:35	7/18/2013 20:18
EPA 350.1	08/15/13	07/24/13 09:43	7/25/2013 09:02
EPA 420.1	08/15/13	07/19/13 05:53	7/19/2013 13:00
EPA 6020A	01/14/14	07/19/13 14:11	7/23/2013 11:43
EPA 7470A	08/15/13	07/23/13 14:38	7/24/2013 08:08
EPA 8260B	08/01/13	07/22/13 16:14	7/23/2013 09:57
Field	07/18/13 09:05	07/18/13 08:51	7/18/2013 08:51
Field	07/19/13 08:51 07/19/13 08:51	07/18/13 08:51	7/18/2013 08:51
Field	07/20/13 08:51	07/18/13 08:51	7/18/2013 08:51
SM 2540C-1997	07/25/13	07/22/13 16:15	7/23/2013 22:25

Client ID: MW-9S	Lab ID: A303735-01RE1	Sampled: 07/18/13 08:51	Received: 07/18/13 15:15
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	08/15/13	07/18/13 14:35	7/18/2013 22:37

Client ID: MW-1	Lab ID: A303735-02	Sampled: 07/18/13 09:17	Received: 07/18/13 15:15
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	07/20/13 09:17	07/18/13 14:35	7/18/2013 20:35
EPA 300.0	08/15/13	07/18/13 14:35	7/18/2013 20:35
EPA 350.1	08/15/13	07/24/13 09:43	7/25/2013 09:12
EPA 420.1	08/15/13	07/19/13 05:53	7/19/2013 13:00
EPA 6020A	01/14/14	07/19/13 14:11	7/23/2013 13:08
EPA 7470A	08/15/13	07/23/13 14:38	7/24/2013 08:46
EPA 8260B	08/01/13	07/22/13 16:14	7/23/2013 10:27
Field	07/18/13 09:31	07/18/13 09:17	7/18/2013 09:17
Field	07/19/13 09:17 07/19/13 09:17	07/18/13 09:17	7/18/2013 09:17
Field	07/20/13 09:17	07/18/13 09:17	7/18/2013 09:17
SM 2540C-1997	07/25/13	07/22/13 16:15	7/23/2013 22:25

Client ID: MW-1	Lab ID: A303735-02RE1	Sampled: 07/18/13 09:17	Received: 07/18/13 15:15
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	08/15/13	07/18/13 14:35	7/18/2013 22:54

Client ID: MW-5	Lab ID: A303735-03	Sampled: 07/18/13 09:54	Received: 07/18/13 15:15
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	07/20/13 09:54	07/18/13 14:35	7/18/2013 20:52
EPA 300.0	08/15/13	07/18/13 14:35	7/18/2013 20:52
EPA 350.1	08/15/13	07/24/13 09:43	7/25/2013 09:13
EPA 420.1	08/15/13	07/19/13 05:53	7/19/2013 13:00
EPA 6020A	01/14/14	07/19/13 14:11	7/23/2013 13:12
EPA 6020A	01/14/14	07/19/13 14:11	7/23/2013 13:16
EPA 7470A	08/15/13	07/23/13 14:38	7/24/2013 08:49
EPA 8260B	08/01/13	07/22/13 16:14	7/23/2013 10:57
Field	07/18/13 10:08	07/18/13 09:54	7/18/2013 09:54
Field	07/19/13 09:54 07/19/13 09:54	07/18/13 09:54	7/18/2013 09:54
Field	07/20/13 09:54	07/18/13 09:54	7/18/2013 09:54
SM 2540C-1997	07/25/13	07/22/13 16:15	7/23/2013 22:25

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6			Lab ID: A303735-04		Sampled: 07/18/13 10:22		Received: 07/18/13 15:15	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 300.0	07/20/13	10:22	07/18/13	14:35	7/18/2013 21:10			
EPA 300.0	08/15/13		07/18/13	14:35	7/18/2013 21:10			
EPA 350.1	08/15/13		07/24/13	09:43	7/25/2013 09:16			
EPA 420.1	08/15/13		07/19/13	05:53	7/19/2013 13:00			
EPA 6020A	01/14/14		07/19/13	14:11	7/23/2013 13:20			
EPA 7470A	08/15/13		07/23/13	14:38	7/24/2013 08:52			
EPA 8260B	08/01/13		07/22/13	16:14	7/23/2013 11:27			
Field	07/18/13	10:36	07/18/13	10:22	7/18/2013 10:22			
Field	07/19/13	10:22	07/19/13	10:22	7/18/2013 10:22			
Field	07/20/13	10:22	07/18/13	10:22	7/18/2013 10:22			
SM 2540C-1997	07/25/13		07/22/13	16:15	7/23/2013 22:25			

Client ID: MW-8		Lab ID: A303735-05		Sampled: 07/18/13 10:55		Received: 07/18/13 15:15	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 300.0	07/20/13	10:55	07/18/13	14:35	7/18/2013	21:27	
EPA 300.0	08/15/13		07/18/13	14:35	7/18/2013	21:27	
EPA 350.1	08/15/13		07/24/13	09:43	7/25/2013	09:18	
EPA 420.1	08/15/13		07/19/13	05:53	7/19/2013	13:00	
EPA 6020A	01/14/14		07/19/13	14:11	7/23/2013	13:24	
EPA 6020A	01/14/14		07/19/13	14:11	7/23/2013	13:27	
EPA 7470A	08/15/13		07/23/13	14:38	7/24/2013	09:02	
EPA 8260B	08/01/13		07/22/13	16:14	7/23/2013	11:57	
Field	07/18/13	11:09	07/18/13	10:55	7/18/2013	10:55	
Field	07/19/13	10:55	07/19/13	10:55	7/18/2013	10:55	
Field	07/20/13	10:55	07/18/13	10:55	7/18/2013	10:55	
SM 2540C-1997	07/25/13		07/22/13	16:15	7/23/2013	22:25	

Client ID: MW-7			Lab ID: A303735-06		Sampled: 07/18/13 11:31		Received: 07/18/13 15:15	
Parameter	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 300.0	08/15/13			07/18/13	14:35	7/18/2013	21:45	
EPA 350.1	08/15/13			07/24/13	09:43	7/25/2013	09:19	
EPA 420.1	08/15/13			07/19/13	05:53	7/19/2013	13:00	
EPA 6020A	01/14/14			07/19/13	14:11	7/23/2013	13:31	
EPA 7470A	08/15/13			07/23/13	14:38	7/24/2013	09:05	
EPA 8260B	08/01/13			07/22/13	16:14	7/23/2013	12:28	
Field	07/18/13	11:45		07/18/13	11:31	7/18/2013	11:31	
Field	07/19/13	11:31	07/19/13	11:31	07/18/13	11:31	7/18/2013	11:31
Field	07/20/13	11:31			07/18/13	11:31	7/18/2013	11:31
SM 2540C-1997	07/25/13			07/22/13	16:15	7/23/2013	22:25	

Client ID: MW-7		Lab ID: A303735-06RE1		Sampled: 07/18/13 11:31		Received: 07/18/13 15:15	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>		
EPA 300.0	07/20/13	11:31	07/18/13	14:35	7/19/2013	00:04	

Client ID: TRIP BLANK		Lab ID: A303735-07		Sampled: 07/18/13 00:00		Received: 07/18/13 15:15	
<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>			
EPA 8260B	08/01/13	07/22/13	16:14	7/23/2013 12:58			

SAMPLE DETECTION SUMMARY

Client ID: MW-9S

Lab ID: A303735-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	22		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.43		0.00	0.00	mg/L	Field	
Nitrate as N	0.43	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.80				pH Units	Field	
Sodium - Total	12.3		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	766		0	0	umhos/cm	Field	
Sulfate	94		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.23		0.00	0.00	°C	Field	
Total Dissolved Solids	590		10	10	mg/L	SM 2540C-1997	
Turbidity	1.50		0.00	0.00	NTU	Field	
Vanadium - Total	4.16	I	2.00	10.0	ug/L	EPA 6020A	
Water Elevation	40.60				Ft	Field	

Client ID: MW-9S

Lab ID: A303735-01RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	93		0.13	10	mg/L	EPA 300.0	

Client ID: MW-1

Lab ID: A303735-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.1		0.0073	0.020	mg/L	EPA 350.1	
Arsenic - Total	7.04	I	6.10	10.0	ug/L	EPA 6020A	
Chloride	26		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.34		0.00	0.00	mg/L	Field	
Iron - Total	3450		38.0	250	ug/L	EPA 6020A	
Nitrate as N	0.21	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.57				pH Units	Field	
Sodium - Total	71.7		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1685		0	0	umhos/cm	Field	
Temperature	25.22		0.00	0.00	°C	Field	
Total Dissolved Solids	1700		10	10	mg/L	SM 2540C-1997	
Turbidity	1.20		0.00	0.00	NTU	Field	
Water Elevation	40.79				Ft	Field	

Client ID: MW-1

Lab ID: A303735-02RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	810		0.66	50	mg/L	EPA 300.0	

Client ID: MW-5

Lab ID: A303735-03

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.8		0.0073	0.020	mg/L	EPA 350.1	
Benzene	1.4		0.71	1.0	ug/L	EPA 8260B	
Chloride	3.7	I	0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.42		0.00	0.00	mg/L	Field	
Iron - Total	34900		380	2500	ug/L	EPA 6020A	
pH	6.45				pH Units	Field	
Sodium - Total	6.53		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	1133		0	0	umhos/cm	Field	
Sulfate	0.16	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.69		0.00	0.00	°C	Field	
Toluene	1.4		0.72	1.0	ug/L	EPA 8260B	
Total Dissolved Solids	750		10	10	mg/L	SM 2540C-1997	
Turbidity	1.00		0.00	0.00	NTU	Field	
Water Elevation	40.70				Ft	Field	

SAMPLE DETECTION SUMMARY

Client ID: MW-6

Lab ID: A303735-04

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	1.5	I	0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	1.22		0.00	0.00	mg/L	Field	
Nitrate as N	0.96	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.77				pH Units	Field	
Sodium - Total	2.88		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	611		0	0	umhos/cm	Field	
Sulfate	9.3		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.38		0.00	0.00	°C	Field	
Total Dissolved Solids	440		10	10	mg/L	SM 2540C-1997	
Turbidity	3.90		0.00	0.00	NTU	Field	
Water Elevation	40.96				Ft	Field	

Client ID: MW-8

Lab ID: A303735-05

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	2.8		0.015	0.040	mg/L	EPA 350.1	
Arsenic - Total	7.67	I	6.10	10.0	ug/L	EPA 6020A	
Chloride	26		0.29	5.0	mg/L	EPA 300.0	
cis-1,2-Dichloroethene	0.68	I	0.53	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.22		0.00	0.00	mg/L	Field	
Iron - Total	13200		380	2500	ug/L	EPA 6020A	
pH	6.53				pH Units	Field	
Sodium - Total	19.8		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	994		0	0	umhos/cm	Field	
Sulfate	2.5	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	25.46		0.00	0.00	°C	Field	
Total Dissolved Solids	650		10	10	mg/L	SM 2540C-1997	
Turbidity	0.900		0.00	0.00	NTU	Field	
Water Elevation	40.83				Ft	Field	

Client ID: MW-7

Lab ID: A303735-06

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	101		68.0	100	ug/L	EPA 6020A	
Chloride	8.8		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.14		0.00	0.00	mg/L	Field	
Mercury - Total	0.155	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.61				pH Units	Field	
Sodium - Total	10.6		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	711		0	0	umhos/cm	Field	
Sulfate	33		0.07	5.0	mg/L	EPA 300.0	
Temperature	25.31		0.00	0.00	°C	Field	
Total Dissolved Solids	550		10	10	mg/L	SM 2540C-1997	
Turbidity	1.80		0.00	0.00	NTU	Field	
Vanadium - Total	12.8		2.00	10.0	ug/L	EPA 6020A	
Water Elevation	40.82				Ft	Field	

Client ID: MW-7

Lab ID: A303735-06RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Nitrate as N	7.7		0.10	2.0	mg/L	EPA 300.0	

ANALYTICAL RESULTS

Description: MW-9S

Lab Sample ID: A303735-01

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 08:51

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 09:57	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 09:57	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	83 %	41-142	3G22035	EPA 8260B	07/23/13 09:57	kat	
Dibromofluoromethane	44	1	50.0	89 %	53-146	3G22035	EPA 8260B	07/23/13 09:57	kat	
Toluene-d8	44	1	50.0	88 %	41-146	3G22035	EPA 8260B	07/23/13 09:57	kat	

ANALYTICAL RESULTS

Description: MW-9S

Lab Sample ID: A303735-01

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 08:51

Work Order: A303735

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	3G19008	EPA 7470A	07/24/13 08:08	IR	

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	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	250	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Sodium [7440-23-5]^	12.3		mg/L	1	0.320	1.00	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	3G19007	EPA 6020A	07/23/13 11:43	JMA	
Vanadium [7440-62-2]^	4.16	I	ug/L	1	2.00	10.0	3G19007	EPA 6020A	07/23/13 11:43	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	3G24010	EPA 350.1	07/25/13 09:02	KGonz	
Chloride [16887-00-6]^	22		mg/L	1	0.29	5.0	3G18001	EPA 300.0	07/18/13 20:18	RSA	
Nitrate as N [14797-55-8]^	0.43	I	mg/L	1	0.052	1.0	3G18001	EPA 300.0	07/18/13 20:18	RSA	
Phenolics [ECL-0123]^	20	U	ug/L	1	20	50	3G19004	EPA 420.1	07/19/13 13:00	RMM	
Sulfate [14808-79-8]^	94		mg/L	1	0.07	5.0	3G18001	EPA 300.0	07/18/13 20:18	RSA	
Sulfate [14808-79-8]^	93		mg/L	2	0.13	10	3G18001	EPA 300.0	07/18/13 22:37	RSA	
Total Dissolved Solids [ECL-0156]^	590		mg/L	1	10	10	3G22029	SM 2540C-1997	07/23/13 22:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.43		mg/L	1	0.00	0.00	3G19009	Field	07/18/13 08:51	FLD	
pH [ECL-0062]	6.80		pH Units	1			3G19009	Field	07/18/13 08:51	FLD	
Specific Conductance (EC) [ECL-0146]	766		umhos/cm	1	0	0	3G19009	Field	07/18/13 08:51	FLD	
Temperature [ECL-0151]	23.23		°C	1	0.00	0.00	3G19009	Field	07/18/13 08:51	FLD	
Turbidity [ECL-0177]	1.50		NTU	1	0.00	0.00	3G19009	Field	07/18/13 08:51	FLD	
Water Elevation [ECL-0180]	40.60		Ft	1			3G19009	Field	07/18/13 08:51	FLD	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A303735-02

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 09:17

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 10:27	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 10:27	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	87 %	41-142	3G22035	EPA 8260B	07/23/13 10:27	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	3G22035	EPA 8260B	07/23/13 10:27	kat	
Toluene-d8	46	1	50.0	92 %	41-146	3G22035	EPA 8260B	07/23/13 10:27	kat	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A303735-02

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 09:17

Work Order: A303735

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	3G19008	EPA 7470A	07/24/13 08:46	IR	

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	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Arsenic [7440-38-2]^	7.04	I	ug/L	1	6.10	10.0	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Iron [7439-89-6]^	3450		ug/L	1	38.0	250	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Sodium [7440-23-5]^	71.7		mg/L	1	0.320	1.00	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	3G19007	EPA 6020A	07/23/13 13:08	JMA	
Vanadium [7440-62-2]^	2.00	U	ug/L	1	2.00	10.0	3G19007	EPA 6020A	07/23/13 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]^	1.1		mg/L	1	0.0073	0.020	3G24010	EPA 350.1	07/25/13 09:12	KGonz	
Chloride [16887-00-6]^	26		mg/L	1	0.29	5.0	3G18001	EPA 300.0	07/18/13 20:35	RSA	
Nitrate as N [14797-55-8]^	0.21	I	mg/L	1	0.052	1.0	3G18001	EPA 300.0	07/18/13 20:35	RSA	
Phenolics [ECL-0123]^	20	U	ug/L	1	20	50	3G19004	EPA 420.1	07/19/13 13:00	RMM	
Sulfate [14808-79-8]^	810		mg/L	10	0.66	50	3G18001	EPA 300.0	07/18/13 22:54	RSA	
Total Dissolved Solids [ECL-0156]^	1700		mg/L	1	10	10	3G22029	SM 2540C-1997	07/23/13 22:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.34		mg/L	1	0.00	0.00	3G19009	Field	07/18/13 09:17	FLD	
pH [ECL-0062]	6.57		pH Units	1			3G19009	Field	07/18/13 09:17	FLD	
Specific Conductance (EC) [ECL-0146]	1685		umhos/cm	1	0	0	3G19009	Field	07/18/13 09:17	FLD	
Temperature [ECL-0151]	25.22		°C	1	0.00	0.00	3G19009	Field	07/18/13 09:17	FLD	
Turbidity [ECL-0177]	1.20		NTU	1	0.00	0.00	3G19009	Field	07/18/13 09:17	FLD	
Water Elevation [ECL-0180]	40.79		Ft	1			3G19009	Field	07/18/13 09:17	FLD	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A303735-03

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 09:54

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Benzene [71-43-2]^	1.4		ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Toluene [108-88-3]^	1.4		ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 10:57	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	3G22035	EPA 8260B	07/23/13 10:57	kat		
Dibromofluoromethane	45	1	50.0	91 %	53-146	3G22035	EPA 8260B	07/23/13 10:57	kat		
Toluene-d8	43	1	50.0	87 %	41-146	3G22035	EPA 8260B	07/23/13 10:57	kat		

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A303735-03

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 09:54

Work Order: A303735

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	3G19008	EPA 7470A	07/24/13 08:49	IR	

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	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Iron [7439-89-6]^	34900		ug/L	10	380	2500	3G19007	EPA 6020A	07/23/13 13:16	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Sodium [7440-23-5]^	6.53		mg/L	1	0.320	1.00	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	3G19007	EPA 6020A	07/23/13 13:12	JMA	
Vanadium [7440-62-2]^	2.00	U	ug/L	1	2.00	10.0	3G19007	EPA 6020A	07/23/13 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]^	1.8		mg/L	1	0.0073	0.020	3G24010	EPA 350.1	07/25/13 09:13	KGonz	
Chloride [16887-00-6]^	3.7	I	mg/L	1	0.29	5.0	3G18001	EPA 300.0	07/18/13 20:52	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	3G18001	EPA 300.0	07/18/13 20:52	RSA	
Phenolics [ECL-0123]^	20	U	ug/L	1	20	50	3G19004	EPA 420.1	07/19/13 13:00	RMM	
Sulfate [14808-79-8]^	0.16	I	mg/L	1	0.07	5.0	3G18001	EPA 300.0	07/18/13 20:52	RSA	
Total Dissolved Solids [ECL-0156]^	750		mg/L	1	10	10	3G22029	SM 2540C-1997	07/23/13 22:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.42		mg/L	1	0.00	0.00	3G19009	Field	07/18/13 09:54	FLD	
pH [ECL-0062]	6.45		pH Units	1			3G19009	Field	07/18/13 09:54	FLD	
Specific Conductance (EC) [ECL-0146]	1133		umhos/cm	1	0	0	3G19009	Field	07/18/13 09:54	FLD	
Temperature [ECL-0151]	24.69		°C	1	0.00	0.00	3G19009	Field	07/18/13 09:54	FLD	
Turbidity [ECL-0177]	1.00		NTU	1	0.00	0.00	3G19009	Field	07/18/13 09:54	FLD	
Water Elevation [ECL-0180]	40.70		Ft	1			3G19009	Field	07/18/13 09:54	FLD	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A303735-04

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 10:22

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 11:27	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 11:27	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	79 %	41-142	3G22035	EPA 8260B	07/23/13 11:27	kat	
Dibromofluoromethane	48	1	50.0	96 %	53-146	3G22035	EPA 8260B	07/23/13 11:27	kat	
Toluene-d8	43	1	50.0	86 %	41-146	3G22035	EPA 8260B	07/23/13 11:27	kat	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A303735-04

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 10:22

Work Order: A303735

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	3G19008	EPA 7470A	07/24/13 08:52	IR	

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	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	250	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Sodium [7440-23-5]^	2.88		mg/L	1	0.320	1.00	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	3G19007	EPA 6020A	07/23/13 13:20	JMA	
Vanadium [7440-62-2]^	2.00	U	ug/L	1	2.00	10.0	3G19007	EPA 6020A	07/23/13 13:20	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	3G24010	EPA 350.1	07/25/13 09:16	KGonz	
Chloride [16887-00-6]^	1.5	I	mg/L	1	0.29	5.0	3G18001	EPA 300.0	07/18/13 21:10	RSA	
Nitrate as N [14797-55-8]^	0.96	I	mg/L	1	0.052	1.0	3G18001	EPA 300.0	07/18/13 21:10	RSA	
Phenolics [ECL-0123]^	20	U	ug/L	1	20	50	3G19004	EPA 420.1	07/19/13 13:00	RMM	
Sulfate [14808-79-8]^	9.3		mg/L	1	0.07	5.0	3G18001	EPA 300.0	07/18/13 21:10	RSA	
Total Dissolved Solids [ECL-0156]^	440		mg/L	1	10	10	3G22029	SM 2540C-1997	07/23/13 22:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	1.22		mg/L	1	0.00	0.00	3G19009	Field	07/18/13 10:22	FLD	
pH [ECL-0062]	6.77		pH Units	1			3G19009	Field	07/18/13 10:22	FLD	
Specific Conductance (EC) [ECL-0146]	611		umhos/cm	1	0	0	3G19009	Field	07/18/13 10:22	FLD	
Temperature [ECL-0151]	23.38		°C	1	0.00	0.00	3G19009	Field	07/18/13 10:22	FLD	
Turbidity [ECL-0177]	3.90		NTU	1	0.00	0.00	3G19009	Field	07/18/13 10:22	FLD	
Water Elevation [ECL-0180]	40.96		Ft	1			3G19009	Field	07/18/13 10:22	FLD	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A303735-05

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 10:55

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.68	I	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 11:57	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 11:57	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	82 %	41-142	3G22035	EPA 8260B	07/23/13 11:57	kat	
Dibromofluoromethane	43	1	50.0	85 %	53-146	3G22035	EPA 8260B	07/23/13 11:57	kat	
Toluene-d8	44	1	50.0	87 %	41-146	3G22035	EPA 8260B	07/23/13 11:57	kat	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A303735-05

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 10:55

Work Order: A303735

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	3G19008	EPA 7470A	07/24/13 09:02	IR	

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	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Arsenic [7440-38-2]^	7.67	I	ug/L	1	6.10	10.0	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Iron [7439-89-6]^	13200		ug/L	10	380	2500	3G19007	EPA 6020A	07/23/13 13:27	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Sodium [7440-23-5]^	19.8		mg/L	1	0.320	1.00	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	3G19007	EPA 6020A	07/23/13 13:24	JMA	
Vanadium [7440-62-2]^	2.00	U	ug/L	1	2.00	10.0	3G19007	EPA 6020A	07/23/13 13:24	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]^	2.8		mg/L	2	0.015	0.040	3G24010	EPA 350.1	07/25/13 09:18	KGonz	
Chloride [16887-00-6]^	26		mg/L	1	0.29	5.0	3G18001	EPA 300.0	07/18/13 21:27	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	3G18001	EPA 300.0	07/18/13 21:27	RSA	
Phenolics [ECL-0123]^	20	U	ug/L	1	20	50	3G19004	EPA 420.1	07/19/13 13:00	RMM	
Sulfate [14808-79-8]^	2.5	I	mg/L	1	0.07	5.0	3G18001	EPA 300.0	07/18/13 21:27	RSA	
Total Dissolved Solids [ECL-0156]^	650		mg/L	1	10	10	3G22029	SM 2540C-1997	07/23/13 22:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.22		mg/L	1	0.00	0.00	3G19009	Field	07/18/13 10:55	FLD	
pH [ECL-0062]	6.53		pH Units	1			3G19009	Field	07/18/13 10:55	FLD	
Specific Conductance (EC) [ECL-0146]	994		umhos/cm	1	0	0	3G19009	Field	07/18/13 10:55	FLD	
Temperature [ECL-0151]	25.46		°C	1	0.00	0.00	3G19009	Field	07/18/13 10:55	FLD	
Turbidity [ECL-0177]	0.900		NTU	1	0.00	0.00	3G19009	Field	07/18/13 10:55	FLD	
Water Elevation [ECL-0180]	40.83		Ft	1			3G19009	Field	07/18/13 10:55	FLD	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A303735-06

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 11:31

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 12:28	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 12:28	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	82 %	41-142	3G22035	EPA 8260B	07/23/13 12:28	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	3G22035	EPA 8260B	07/23/13 12:28	kat	
Toluene-d8	42	1	50.0	83 %	41-146	3G22035	EPA 8260B	07/23/13 12:28	kat	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A303735-06

Received: 07/18/13 15:15

Matrix: Ground Water

Sampled: 07/18/13 11:31

Work Order: A303735

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]^	0.155	I	ug/L	1	0.0230	0.200	3G19008	EPA 7470A	07/24/13 09:05	IR	

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]^	101		ug/L	1	68.0	100	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	250	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Sodium [7440-23-5]^	10.6		mg/L	1	0.320	1.00	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	3G19007	EPA 6020A	07/23/13 13:31	JMA	
Vanadium [7440-62-2]^	12.8		ug/L	1	2.00	10.0	3G19007	EPA 6020A	07/23/13 13:31	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0073	U	mg/L	1	0.0073	0.020	3G24010	EPA 350.1	07/25/13 09:19	KGonz	
Chloride [16887-00-6]^	8.8		mg/L	1	0.29	5.0	3G18001	EPA 300.0	07/18/13 21:45	RSA	
Nitrate as N [14797-55-8]^	7.7		mg/L	2	0.10	2.0	3G18001	EPA 300.0	07/19/13 00:04	RSA	
Phenolics [ECL-0123]^	20	U	ug/L	1	20	50	3G19004	EPA 420.1	07/19/13 13:00	RMM	
Sulfate [14808-79-8]^	33		mg/L	1	0.07	5.0	3G18001	EPA 300.0	07/18/13 21:45	RSA	
Total Dissolved Solids [ECL-0156]^	550		mg/L	1	10	10	3G22029	SM 2540C-1997	07/23/13 22:25	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.14		mg/L	1	0.00	0.00	3G19009	Field	07/18/13 11:31	FLD	
pH [ECL-0062]	6.61		pH Units	1			3G19009	Field	07/18/13 11:31	FLD	
Specific Conductance (EC) [ECL-0146]	711		umhos/cm	1	0	0	3G19009	Field	07/18/13 11:31	FLD	
Temperature [ECL-0151]	25.31		°C	1	0.00	0.00	3G19009	Field	07/18/13 11:31	FLD	
Turbidity [ECL-0177]	1.80		NTU	1	0.00	0.00	3G19009	Field	07/18/13 11:31	FLD	
Water Elevation [ECL-0180]	40.82		Ft	1			3G19009	Field	07/18/13 11:31	FLD	

ANALYTICAL RESULTS

Description: TRIP BLANK

Lab Sample ID: A303735-07

Received: 07/18/13 15:15

Matrix: Water

Sampled: 07/18/13 00:00

Work Order: A303735

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	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	3G22035	EPA 8260B	07/23/13 12:58	kat	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	3G22035	EPA 8260B	07/23/13 12:58	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	81 %	41-142	3G22035	EPA 8260B	07/23/13 12:58	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	3G22035	EPA 8260B	07/23/13 12:58	kat	
Toluene-d8	45	1	50.0	89 %	41-146	3G22035	EPA 8260B	07/23/13 12:58	kat	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 3G22035 - EPA 5030B_MS

Blank (3G22035-BLK1)

Prepared: 07/22/2013 16:14 Analyzed: 07/23/2013 03:57

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	0.71	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Dibromofluoromethane	41			ug/L	50.0		82	53-146			
Toluene-d8	43			ug/L	50.0		86	41-146			

LCS (3G22035-BS1)

Prepared: 07/22/2013 16:14 Analyzed: 07/23/2013 03:26

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		85	65-144			
Benzene	17		1.0	ug/L	20.0		87	73-138			
Chlorobenzene	16		1.0	ug/L	20.0		79	77-127			
Toluene	17		1.0	ug/L	20.0		87	71-123			
Trichloroethene	17		1.0	ug/L	20.0		84	83-133			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 3G22035 - EPA 5030B_MS - Continued

LCS (3G22035-BS1) Continued

Prepared: 07/22/2013 16:14 Analyzed: 07/23/2013 03:26

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	41			ug/L	50.0		82	41-142			
Dibromofluoromethane	38			ug/L	50.0		77	53-146			
Toluene-d8	45			ug/L	50.0		90	41-146			

Matrix Spike (3G22035-MS1)

Prepared: 07/22/2013 16:14 Analyzed: 07/23/2013 04:26

Source: A303613-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.94 U	86	65-144			
Benzene	18		1.0	ug/L	20.0	0.61	87	73-138			
Chlorobenzene	17		1.0	ug/L	20.0	0.72 U	86	77-127			
Toluene	17		1.0	ug/L	20.0	0.72 U	85	71-123			
Trichloroethene	17		1.0	ug/L	20.0	0.89 U	85	83-133			
4-Bromofluorobenzene	43			ug/L	50.0		85	41-142			
Dibromofluoromethane	42			ug/L	50.0		83	53-146			
Toluene-d8	46			ug/L	50.0		91	41-146			

Matrix Spike Dup (3G22035-MSD1)

Prepared: 07/22/2013 16:14 Analyzed: 07/23/2013 04:56

Source: A303613-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.94 U	89	65-144	3	16	
Benzene	19		1.0	ug/L	20.0	0.61	91	73-138	4	14	
Chlorobenzene	17		1.0	ug/L	20.0	0.72 U	85	77-127	1	13	
Toluene	18		1.0	ug/L	20.0	0.72 U	89	71-123	5	16	
Trichloroethene	17		1.0	ug/L	20.0	0.89 U	84	83-133	0.7	20	
4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Dibromofluoromethane	40			ug/L	50.0		80	53-146			
Toluene-d8	45			ug/L	50.0		90	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3G19008 - EPA 7470A

Blank (3G19008-BLK1)

Prepared: 07/08/2013 14:38 Analyzed: 07/24/2013 08:02

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

LCS (3G19008-BS1)

Prepared: 07/08/2013 14:38 Analyzed: 07/24/2013 08:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.78		0.200	ug/L	5.00		96	80-120			

Matrix Spike (3G19008-MS1)

Prepared: 07/08/2013 14:38 Analyzed: 07/24/2013 08:12

Source: A303735-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.89		0.200	ug/L	5.00	0.0230 U	98	75-125			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3G19008 - EPA 7470A - Continued

Matrix Spike Dup (3G19008-MSD1)

Prepared: 07/08/2013 14:38 Analyzed: 07/24/2013 08:15

Source: A303735-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.83		0.200	ug/L	5.00	0.0230 U	97	75-125	1	20	

Post Spike (3G19008-PS1)

Prepared: 07/24/2013 06:00 Analyzed: 07/24/2013 08:24

Source: A303735-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.76		0.200	ug/L	5.61	0.00288	85	80-120			

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

Batch 3G19007 - EPA 3005A

Blank (3G19007-BLK1)

Prepared: 07/19/2013 14:11 Analyzed: 07/23/2013 11:12

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	68.0	U	100	ug/L							
Antimony	1.10	U	20.0	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	250	ug/L							
Lead	1.60	U	5.00	ug/L							
Sodium	0.320	U	1.00	mg/L							
Thallium	0.580	U	1.00	ug/L							
Vanadium	2.00	U	10.0	ug/L							

LCS (3G19007-BS1)

Prepared: 07/19/2013 14:11 Analyzed: 07/23/2013 11:39

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	985		100	ug/L	1000		98	80-120			
Antimony	52.3		20.0	ug/L	50.0		105	80-120			
Arsenic	450		10.0	ug/L	500		90	80-120			
Cadmium	47.6		3.00	ug/L	50.0		95	80-120			
Chromium	490		10.0	ug/L	500		98	80-120			
Iron	966		250	ug/L	1000		97	80-120			
Lead	494		5.00	ug/L	500		99	80-120			
Sodium	24.4		1.00	mg/L	25.0		98	80-120			
Thallium	49.1		1.00	ug/L	50.0		98	80-120			
Vanadium	517		10.0	ug/L	500		103	80-120			

Matrix Spike (3G19007-MS1)

Prepared: 07/19/2013 14:11 Analyzed: 07/23/2013 12:06

Source: A303735-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1160		100	ug/L	1000	68.0 U	116	75-125			
Antimony	52.0		20.0	ug/L	50.0	1.10 U	104	75-125			
Arsenic	480		10.0	ug/L	500	6.10 U	96	75-125			
Cadmium	49.0		3.00	ug/L	50.0	1.10 U	98	75-125			
Chromium	498		10.0	ug/L	500	4.50 U	100	75-125			
Iron	992		250	ug/L	1000	38.0 U	99	75-125			
Lead	503		5.00	ug/L	500	1.60 U	101	75-125			

QUALITY CONTROL DATA

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

Batch 3G19007 - EPA 3005A - Continued

Matrix Spike (3G19007-MS1) Continued

Prepared: 07/19/2013 14:11 Analyzed: 07/23/2013 12:06

Source: A303735-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	37.4		1.00	mg/L	25.0	12.3	100	75-125			
Thallium	51.0		1.00	ug/L	50.0	0.580 U	102	75-125			
Vanadium	523		10.0	ug/L	500	4.16	104	75-125			

Matrix Spike Dup (3G19007-MSD1)

Prepared: 07/19/2013 14:11 Analyzed: 07/23/2013 12:10

Source: A303735-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1050		100	ug/L	1000	68.0 U	105	75-125	10	20	
Antimony	52.2		20.0	ug/L	50.0	1.10 U	104	75-125	0.4	20	
Arsenic	475		10.0	ug/L	500	6.10 U	95	75-125	1	20	
Cadmium	47.2		3.00	ug/L	50.0	1.10 U	94	75-125	4	20	
Chromium	499		10.0	ug/L	500	4.50 U	100	75-125	0.3	20	
Iron	1030		250	ug/L	1000	38.0 U	103	75-125	3	20	
Lead	498		5.00	ug/L	500	1.60 U	100	75-125	0.8	20	
Sodium	37.6		1.00	mg/L	25.0	12.3	101	75-125	0.8	20	
Thallium	51.0		1.00	ug/L	50.0	0.580 U	102	75-125	0.1	20	
Vanadium	523		10.0	ug/L	500	4.16	104	75-125	0.06	20	

Post Spike (3G19007-PS1)

Prepared: 07/23/2013 09:00 Analyzed: 07/23/2013 12:14

Source: A303735-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	104		10.0	ug/L	98.0	2.97	103	80-120			
Antimony	5.19		2.00	ug/L	4.90	0.0975	104	80-120			
Arsenic	46.1		1.00	ug/L	49.0	0.206	94	80-120			
Cadmium	4.69		0.300	ug/L	4.90	0.00814	96	80-120			
Chromium	48.3		1.00	ug/L	49.0	0.176	98	80-120			
Iron	102		5.00	ug/L	98.0	-0.671	105	80-120			
Lead	47.8		0.500	ug/L	49.0	0.0946	97	80-120			
Sodium	3690		100	ug/L	2450	1200	102	80-120			
Thallium	4.83		0.100	ug/L	4.90	0.00412	98	80-120			
Vanadium	49.9		1.00	ug/L	49.0	0.408	101	80-120			

Batch AA25004 - 3G19007

Serial Dilution (AA25004-SRD2)

Prepared: 07/22/2013 11:08 Analyzed: 07/23/2013 16:14

Source: A304097-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	114		10.0	mg/L		115			0.6		

Classical Chemistry Parameters - Quality Control

Batch 3G18001 - NO PREP

Blank (3G18001-BLK1)

Prepared: 07/18/2013 07:00 Analyzed: 07/18/2013 10:53

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

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 3G18001 - NO PREP - Continued

LCS (3G18001-BS1)

Prepared: 07/18/2013 07:00 Analyzed: 07/18/2013 11:11

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	51		5.0	mg/L	50.0		102	90-110			
Nitrate as N	10		1.0	mg/L	10.0		100	90-110			
Sulfate	49		5.0	mg/L	50.0		99	90-110			

Matrix Spike (3G18001-MS1)

Prepared: 07/18/2013 14:35 Analyzed: 07/18/2013 16:12

Source: A303664-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	2.4	105	90-110			
Nitrate as N	10		1.0	mg/L	10.0	0.24	102	90-110			
Sulfate	54		5.0	mg/L	50.0	3.3	101	90-110			

Matrix Spike Dup (3G18001-MSD1)

Prepared: 07/18/2013 14:35 Analyzed: 07/18/2013 16:31

Source: A303664-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	2.4	104	90-110	0.2	10	
Nitrate as N	10		1.0	mg/L	10.0	0.24	102	90-110	0.1	10	
Sulfate	53		5.0	mg/L	50.0	3.3	100	90-110	0.7	10	

Batch 3G19004 - NO PREP

Blank (3G19004-BLK1)

Prepared: 07/19/2013 05:53 Analyzed: 07/19/2013 13:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	20	U	50	ug/L							

LCS (3G19004-BS1)

Prepared: 07/19/2013 05:53 Analyzed: 07/19/2013 13:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	490		50	ug/L	500		98	78-110			

Matrix Spike (3G19004-MS1)

Prepared: 07/19/2013 05:53 Analyzed: 07/19/2013 13:00

Source: A303521-06

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	570		50	ug/L	500	90	96	78-110			

Matrix Spike Dup (3G19004-MSD1)

Prepared: 07/19/2013 05:53 Analyzed: 07/19/2013 13:00

Source: A303521-06

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	590		50	ug/L	500	90	100	78-110	4	10	

Batch 3G22029 - NO PREP

Blank (3G22029-BLK1)

Prepared: 07/22/2013 16:15 Analyzed: 07/23/2013 22:25

Analyte	Result	Flag	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 3G22029 - NO PREP - Continued

LCS (3G22029-BS1)

Prepared: 07/22/2013 16:15 Analyzed: 07/23/2013 22:25

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

Duplicate (3G22029-DUP1)

Prepared: 07/22/2013 16:15 Analyzed: 07/23/2013 22:25

Source: A303661-03

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	550		10	mg/L		560			2	10	

Batch 3G24010 - NO PREP

Blank (3G24010-BLK1)

Prepared: 07/24/2013 09:43 Analyzed: 07/25/2013 08:49

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 (3G24010-BS1)

Prepared: 07/24/2013 09:43 Analyzed: 07/25/2013 08:50

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.020	mg/L	1.00		109	90-110			

Matrix Spike (3G24010-MS1)

Prepared: 07/24/2013 09:43 Analyzed: 07/25/2013 09:03

Source: A303735-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.96		0.020	mg/L	1.00	0.0073 U	96	90-110			

Matrix Spike Dup (3G24010-MSD1)

Prepared: 07/24/2013 09:43 Analyzed: 07/25/2013 09:04

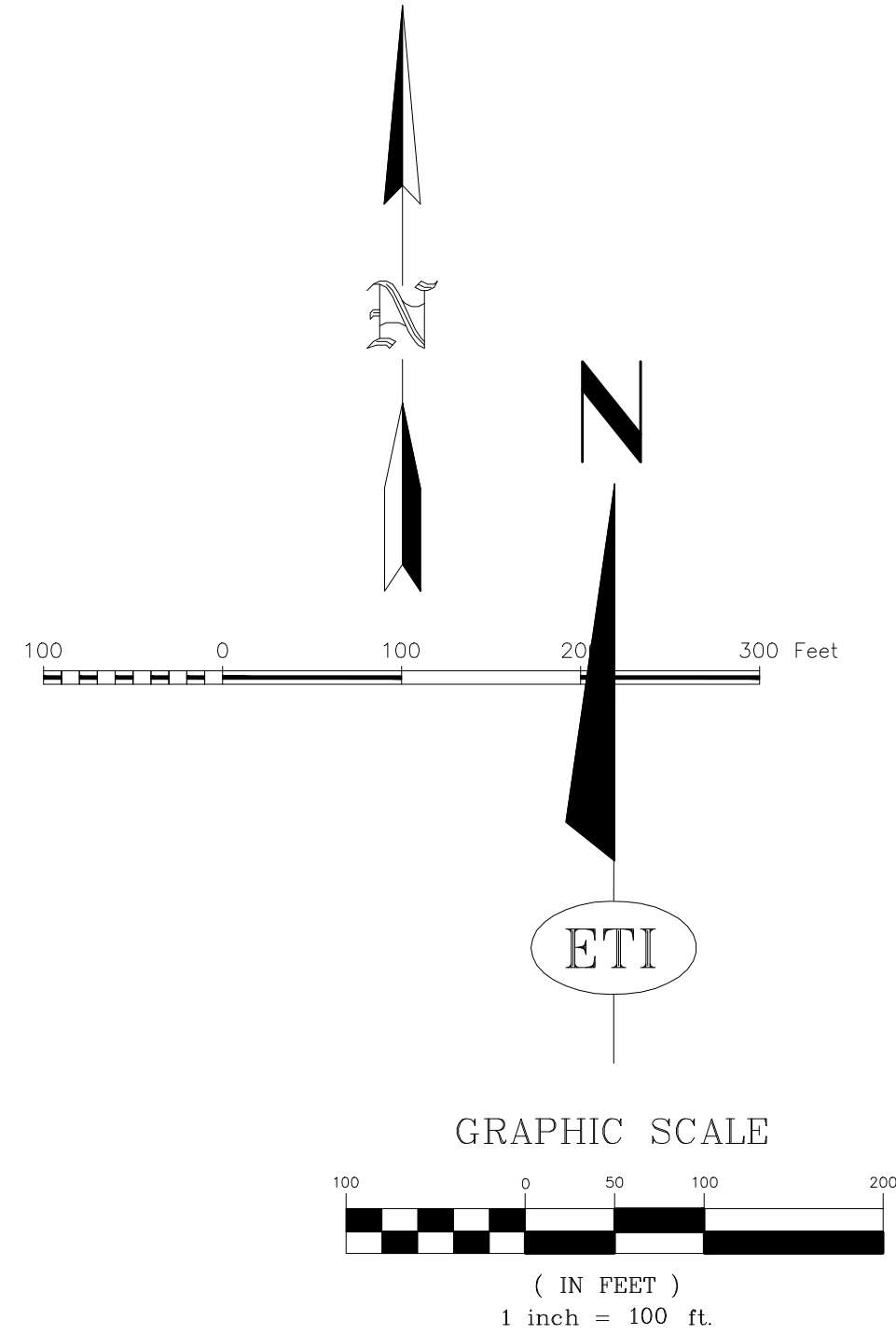
Source: A303735-01

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	0.0073 U	100	90-110	4	10	

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.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD



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. (NAVD--88).
4. THE TOP ELEVATION OF THE MONITORING WELLS, AS SHOWN HEREON, REPRESENT THE ELEVATION OF THE TOP OF THE WELL CASING ON THE NORTH EDGE. THE GROUND ELEVATION REPRESENTS THE ELEVATION OF THE GROUND, NEXT TO THE WELL CASING ON THE NORTH SIDE.

LEGEND

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

 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	REVISIONS
				DRAWN: RMC-3 N/A	Groundwater contours revised 8-28-2013
				DESIGNED: RMC-3	
				CHECKED: RMC-3 N/A	
SCALE: 1" = 100'					