
SEMI-ANNUAL MONITORING REPORT

FIRST HALF 2021

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

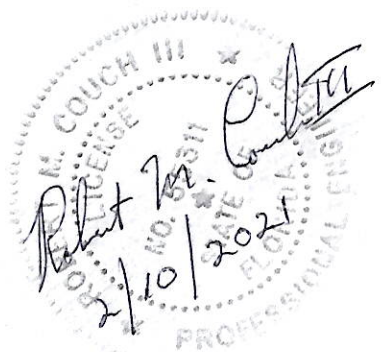
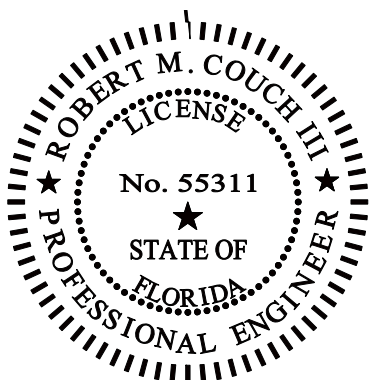
PREPARED FOR:

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

PREPARED BY:

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

February 10, 2021



DocuSigned by:

Robert Couch

7FD2BC56D83A48C...

Robert M. Couch III, P.E.

Digitally signed by Robert M. Couch III, P.E.
cn=Robert M. Couch III, P.E., ou= President, o= ENVIRO-TECH, Inc., l= Weirsdale, st= Florida, c= US, email=envirotech@gmail.com
Date: 2021.02.11 22:22:38 EST

February 10, 2021

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the First Half of 2021
Friends Recycling C&D Landfill
Marion County, Florida

Dear Mr. Giunarelli:

Per your request, Enviro-Technologies, Inc. (ETI) has completed the semi-annual groundwater monitoring report for the First Half of 2021 groundwater sampling activities on Monitoring Wells: MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9. Information about the individual wells is provided in the Appendix of this report.

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

PROJECT LOCATION

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

GROUNDWATER QUALITY ASSESSMENT

On January 20, 2021, (date of the sample collection), ground water samples were collected from MW-1, MW-5, MW-6, MW-7, MW-8, and MW-9, shown in the Topographic Survey provided by Robert L. Rogers Engineering Co., Inc. All collected groundwater samples were delivered to Environmental Conservation Laboratories, Inc. (ENCO) for analyses.

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

GROUNDWATER ANALYTICAL RESULTS

Copies of the laboratory analytical results and chain-of-custody forms and a sample detection summary of the analytical results of each monitoring well for the January 20, 2021 sampling event are provided in the Appendix along with a summary of the Groundwater Elevation data. A summary of the identified peaks equal to greater than the Groundwater Cleanup Target Levels for respective analytical methods are provided in the following tables:

MW-1

Analyte	Results	Groundwater Criteria	Units	Method
Iron - Total	10800	300	ug/L	EPA 6020A
Sulfate	320	250	mg/L	EPA 300.0
Total Dissolved Solids	1000	500	mg/L	SM 2540C-2011

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	6.3	2.8	mg/L	EPA 350.1
Iron - Total	3010	300	ug/L	EPA 6020B
Total Dissolved Solids	820	500	mg/L	SM 2540C-2011

MW-6

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	6.3	2.8	mg/L	EPA 350.1
Iron - Total	13000	300	ug/L	EPA 6020B
Sulfate	130	250	mg/L	EPA 300.0
Total Dissolved Solids	990	500	mg/L	SM 2540C-2011

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Arsenic - Total	18.4	10	ug/L	EPA 6020B
Sulfate	310	250	mg/L	EPA 300.0
Iron - Total	54600	300	ug/L	EPA 6020B
Total Dissolved Solids	960	500	mg/L	SM 2540C-2011

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	12	2.8	ug/L	EPA 350.1
Iron - Total	26600	300	ug/L	EPA 6020B
Total Dissolved Solids	770	500	mg/L	SM 2540C-1997

MW-9

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	660	500	mg/L	SM 2540C-1997

CONCLUSION

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

High levels of iron were noted in monitoring wells MW-1, MW-5, MW-6, MW-7 and MW-8. The iron concentration levels in all wells except MW-6 were lower than the previous sampling event. The various levels are likely the result of changes in rainfall in recent months. Although these items may be the result of steel disposal, significant portions of Marion County are known for having iron in the water.

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

Ammonia as N was noted slightly above GCTL's in MW-5, MW-6, and MW-8. This change in concentration is expected to be the result of changes in rainfall amounts.

Sulfate levels were noted above GCTL's in MW-1, MW-6, and MW-7. The sulfate concentration levels in MW-1, MW-6 and MW-7 were lower than the previous sampling event. This change in concentration is expected to be the result of changes in rainfall amounts.

The items that were observed to be above the GCTL's were common to groundwater in the Marion County area, and their concentrations are expected to vary based on rainfall conditions in the area. Variations between monitoring wells can be attributed to the varying soil compositions common in Marion County.


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

RECOMMENDATION

It is the recommendation of ETI that sampling continue as listed in Monitoring Plan Implementation Schedule (6/25/2013 corrected 12/30/2013) for Facility 21012.

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

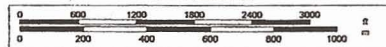
Sincerely,


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

APPENDIX

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www.delorme.com

1" = 2000 ft



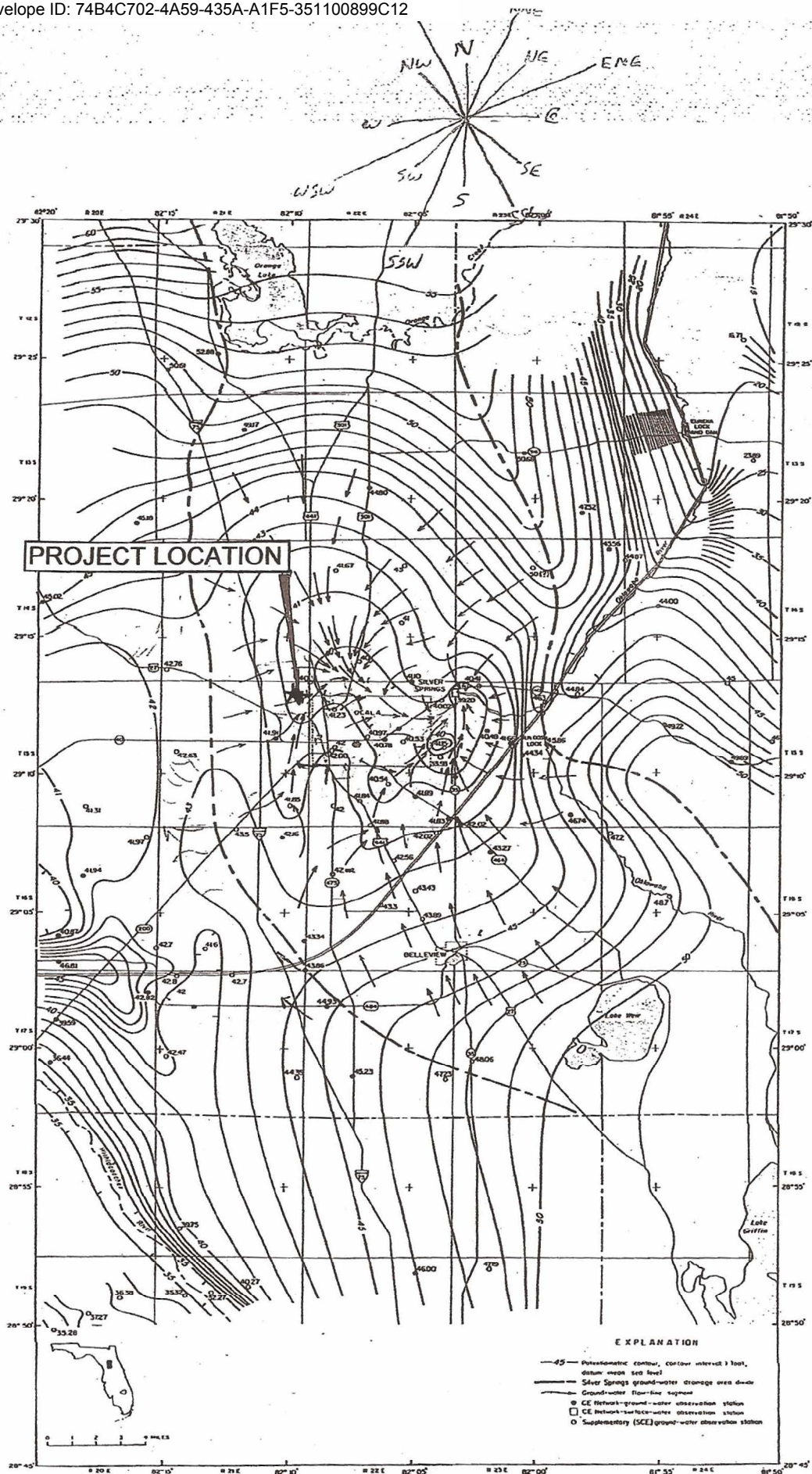


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

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

January 20, 2021

GROUNDWATER								
Well No.	WACS No.	Latitude	Longitude	Ground Surface Elevation	Top of Casing (TOC) Elevation	Total Well Depth	Depth to Water (1/20/2021)	Water Table Elevation (1/20/2021)
MW-1	18811	29d 12' 44.009" N	82d 10' 12.150" W	72.57	74.66	43.45	32.36	42.30
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	45.14	42.87
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	35.61	42.44
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.80	46.28	42.39
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	28.96	42.21
MW-9	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	25.58	43.06

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

ATTACHMENT E

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Friends Recycling LLC-C&D Disposal and RecyclingAddress 2350 NW 27th AvenueCity Ocala FL Zip 34471 County MarionTelephone Number (352) 622-5800 E-mail address UNKNOWN(2) WACS_Facility 21012(3) DEP Permit Number SO42-0019600-007(4) Authorized Representative's Name ENVIRO-TECH, Inc. Robert M. Couch III, P.E. Title PresidentAddress PO Box 152City Weirsdale Zip 32195 County MarionTelephone Number (352) 694-1799 E-mail address envirotech@ymail.com(5) Type of Discharge Groundwater(6) Method of Discharge C&D Landfill

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

2/10/2021
DateRobert M. Couch III
Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Ideal Tech Services, Inc.Analytical Lab NELAC #/ HRS Certification E83282Lab Name Environmental Conservation Laboratories (ENCO) OrlandoAddress 10775 Central Port Drive Orlando Florida 32824Phone Number (407) 826-5314

E-mail Address _____



CALIBRATION LOG

ITS Work Order Number: FRL-28-012021

CLIENT: Friends Recycling
 ADDRESS: 2350 NW 27th Ave.
 CITY, STATE: Ocala, Florida 34475
 INITIAL CAL DATE @ TIME: 1/20/21 @ 0800

Site: Friends Recycling
 CCV CALIBRATION DATE @ TIME: 1/20/21 @ 1500

Page 1 of 1

YSI Multi Parameter Meter: YSI-PRO+ ITS #4						YSI Temperature Sensor Check Per DEP-SOP-001/01 FT 1400					
pH Sensor Per DEP-SOP-001/01 FT 1100						STANDARD °C ERTCO Thermometer ± .5 °C		YSI METER TEMP READING °C		METER NUMBER	DATE PERFORMED (Quarterly)
STANDARD Standard Units	METER READING			LOT NUMBER	EXP DATE	LOW	HIGH				
	INITIAL	ICV (± 0.2 SU)	CCV (± 0.2 SU)								
4.005	4.00	4.00	3.99	CC641962	Sep-21	LOW 5.70	5.70		ITS YSI #2	01/02/21	
7.000	7.00	6.99	6.99	CC642263	Sep-21	HIGH 29.10		29.10	ITS YSI #2	01/02/21	
10.012	9.99	9.98	9.98	CC676281	Aug-22	LOW 5.70	5.70		ITS YSI #4	01/02/21	
Liquid Temp °C	12.4	12.4	26.8	Standards prepared by USA Blue Book		HIGH 29.30		29.30	ITS YSI #4	01/02/21	
Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1500						Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. YSI is checked against ERTCO					
Initial Calibration and CCV Daily for D.O. Date:						Fluke Infrared Thermometer S.N. 1370781		Certified By Aqua Pure Once Per Year 1/25/19		+0.1°C	
STANDARD (mg/L)	METER READING		LOT NUMBER	EXPIRATION DATE		HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 DRT - 15CE Per DEP-SOP-001/01 FT 1600 ITSNTU # 1					
	INITIAL	CCV (± 0.3 mg/L)				STANDARD (ntu)	METER READING		CCV Acceptance % of standard value		
Barometer mm/Hg	767.8	763.8	No CCV Limit				INITIAL	CCV			
0.00	.05	.05	0GH1024	Aug-21							
Ambient Air Temperature						1000	NM	NM	± 5.0%		
12.3 °C	10.73					100	100	100	± 6.5%		
26.8 °C		7.98				10	10	10	± 10%		
Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by USA Blue Book. Limit is ± 0.3 mg/L of theoretical value (see Table FT 1500-1)						0.02	.02	.02	± 10%		
						Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 200629 EXP: June / 2022, .02 & 10. EXP: April / 2022, 100 & 1000.					
Start: ORP Sensor Per DEP-SOP-001/01 FT 2100 End:						HACH POCKET COLORIMETER II S/N 06070D052733					
STANDARD (mV)	METER READING		LOT NUMBER	EXPIRATION DATE		STANDARD ID	BLANK	1	2	3	
	INITIAL	CCV				MFGR VALUE mg/L	0.00	.21	0.90	1.61	
200	NM	NM	0GG036	Apr-21		VERIFIED VALUE mg/L	0.00	.19	.93	1.59	
400	NM	NM	0GG243	Jul-21		CCV METER mg/L (± 10%)	NM	NM	NM	NM	
Standard is ORP solution, prepared by USA Blue Book. Cal Limit is ± 5% @ 25° C											
Conductivity Sensor Per DEP-SOP-001/01 FT 1200						Standard is HACH DPD Chlorine LR secondary GEL Standard. Lot A5318 Verified 03/02/20					
STANDARD µmhos/cm	METER READING		LOT NUMBER	EXPIRATION DATE		Remarks:					
	INITIAL	CCV (± 5%)									
8,974	NM	NM	0GA408	Jan-21		Weather Conditions: clear sunny 60° - 75° F					
2,764	2,764	2,766	0GD229	Apr-21							
84	90	91	0GC1010	Mar-21							
Standards prepared by USA Blue Book. All standards are potassium chloride solutions.											

Notes: NA - Not Applicable, NM - Not Measured, ICV - Initial Calibration Verification, CCV - Continuing Calibration Verification Revision 8.94 01/20/2021 Cal Standards Updated

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



ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

Monday, February 1, 2021

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): AE00039

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, January 21, 2021.

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

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

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

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

Sincerely,

A handwritten signature in black ink that reads "Carlene S. Pasipanki". The script is cursive and fluid.

Carlene S Pasipanki

Project Manager

Enclosure(s)



www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1		Lab ID: AE00039-01		Sampled: 01/20/21 12:33		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	01/22/21	12:33	01/20/21	18:07	01/21/21	10:49
EPA 300.0	NA	02/17/21		01/20/21	18:07	01/21/21	10:49
EPA 350.1	Same	02/17/21		01/21/21	06:13	01/21/21	10:55
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	14:10
EPA 7470A	EPA 7470A	02/17/21		01/22/21	12:20	01/25/21	09:54
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/22/21	23:19
Field	NO PREP	01/20/21	12:47	01/20/21	12:33	01/20/21	12:33
Field	NO PREP	01/21/21	12:33	01/21/21	12:33	01/20/21	12:33
Field	NO PREP	01/22/21	12:33	01/20/21	12:33	01/20/21	12:33
SM 2540C-2011	NO PREP	01/27/21		01/27/21	12:57	01/28/21	14:57

Client ID: MW-1		Lab ID: AE00039-01RE1		Sampled: 01/20/21 12:33		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	02/17/21		01/22/21	11:13	01/22/21	18:26

Client ID: MW-5		Lab ID: AE00039-02		Sampled: 01/20/21 13:21		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	01/22/21	13:21	01/20/21	18:07	01/21/21	11:06
EPA 300.0	NA	02/17/21		01/20/21	18:07	01/21/21	11:06
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	17:50
EPA 7470A	EPA 7470A	02/17/21		01/22/21	12:20	01/25/21	09:57
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/22/21	23:49
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Field	NO PREP	01/21/21	13:21	01/21/21	13:21	01/20/21	13:21
Field	NO PREP	01/22/21	13:21	01/20/21	13:21	01/20/21	13:21
SM 2540C-2011	NO PREP	01/27/21		01/27/21	12:57	01/28/21	14:57

Client ID: MW-5		Lab ID: AE00039-02RE1		Sampled: 01/20/21 13:21		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 350.1	Same	02/17/21		01/21/21	06:13	01/21/21	11:04

Client ID: MW-6		Lab ID: AE00039-03		Sampled: 01/20/21 11:05		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	01/22/21	11:05	01/20/21	18:07	01/21/21	13:09
EPA 300.0	NA	02/17/21		01/20/21	18:07	01/21/21	13:09
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	17:54
EPA 7470A	EPA 7470A	02/17/21		01/22/21	12:20	01/25/21	10:01
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/23/21	00:18
Field	NO PREP	01/20/21	11:19	01/20/21	11:05	01/20/21	11:05
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Field	NO PREP	01/22/21	11:05	01/20/21	11:05	01/20/21	11:05
SM 2540C-2011	NO PREP	01/27/21		01/27/21	12:57	01/28/21	14:57

Client ID: MW-6		Lab ID: AE00039-03RE1		Sampled: 01/20/21 11:05		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	02/17/21		01/22/21	11:13	01/22/21	18:45
EPA 350.1	Same	02/17/21		01/21/21	06:13	01/21/21	11:05
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	18:30



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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-7		Lab ID: AE00039-04		Sampled: 01/20/21 11:37		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	01/22/21	11:37	01/20/21	18:07	01/21/21	12:16
EPA 300.0	NA	02/17/21		01/20/21	18:07	01/21/21	12:16
EPA 350.1	Same	02/17/21		01/21/21	06:13	01/21/21	10:58
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	18:02
EPA 7470A	EPA 7470A	02/17/21		01/22/21	12:20	01/25/21	10:04
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/23/21	00:48
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Field	NO PREP	01/21/21	11:37	01/21/21	11:37	01/20/21	11:37
Field	NO PREP	01/22/21	11:37	01/20/21	11:37	01/20/21	11:37
SM 2540C-2011	NO PREP	01/27/21		01/27/21	12:57	01/28/21	14:57

Client ID: MW-7		Lab ID: AE00039-04RE1		Sampled: 01/20/21 11:37		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	02/17/21		01/22/21	11:13	01/22/21	19:03
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	18:50

Client ID: MW-8		Lab ID: AE00039-05		Sampled: 01/20/21 10:31		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	01/22/21	10:31	01/20/21	18:07	01/21/21	12:34
EPA 300.0	NA	02/17/21		01/20/21	18:07	01/21/21	12:34
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	18:06
EPA 7470A	EPA 7470A	02/17/21		01/22/21	12:20	01/25/21	10:07
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/23/21	01:17
Field	NO PREP	01/20/21	10:45	01/20/21	10:31	01/20/21	10:31
Field	NO PREP	01/21/21	10:31	01/21/21	10:31	01/20/21	10:31
Field	NO PREP	01/22/21	10:31	01/20/21	10:31	01/20/21	10:31
SM 2540C-2011	NO PREP	01/27/21		01/27/21	12:57	01/28/21	14:57

Client ID: MW-8		Lab ID: AE00039-05RE1		Sampled: 01/20/21 10:31		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 350.1	Same	02/17/21		01/21/21	06:13	01/21/21	11:09
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	18:54

Client ID: MW-9		Lab ID: AE00039-06		Sampled: 01/20/21 10:08		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	01/22/21	10:08	01/20/21	18:07	01/21/21	12:51
EPA 300.0	NA	02/17/21		01/20/21	18:07	01/21/21	12:51
EPA 350.1	Same	02/17/21		01/21/21	06:13	01/21/21	11:01
EPA 6020B	EPA 3005A	07/19/21		01/21/21	15:13	01/25/21	18:10
EPA 7470A	EPA 7470A	02/17/21		01/22/21	12:20	01/25/21	10:10
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/23/21	01:46
Field	NO PREP	01/20/21	10:22	01/20/21	10:08	01/20/21	10:08
Field	NO PREP	01/21/21	10:08	01/21/21	10:08	01/20/21	10:08
Field	NO PREP	01/22/21	10:08	01/20/21	10:08	01/20/21	10:08
SM 2540C-2011	NO PREP	01/27/21		01/27/21	12:57	01/28/21	14:57

Client ID: MW-9		Lab ID: AE00039-06RE1		Sampled: 01/20/21 10:08		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NA	02/17/21		01/22/21	11:13	01/22/21	19:58

Client ID: TRIP BLANK		Lab ID: AE00039-07		Sampled: 01/20/21 00:00		Received: 01/21/21 08:55	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260D	EPA 5030B_MS	02/03/21		01/22/21	13:58	01/23/21	02:16



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SAMPLE DETECTION SUMMARY

Client ID: MW-1		Lab ID: AE00039-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	2.0		0.0098	0.020	mg/L	EPA 350.1	
Chloride	19		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	32.36				Ft	Field	
Dissolved Oxygen	0.08		0	0	mg/L	Field	
Iron - Total	6140		25.0	50.0	ug/L	EPA 6020B	
pH	6.48				pH Units	Field	
Sodium - Total	25.2		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1475		0	0	umhos/cm	Field	
Temperature	24.9		0	0	°C	Field	
Total Dissolved Solids	1000		10	10	mg/L	SM 2540C-2011	
Turbidity	2.3		0	0	NTU	Field	
Water Elevation	42.3				Ft	Field	
Client ID: MW-1		Lab ID: AE00039-01RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	320		0.53	40	mg/L	EPA 300.0	
Client ID: MW-5		Lab ID: AE00039-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	108		50.0	100	ug/L	EPA 6020B	
Chloride	45		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	45.14				Ft	Field	
Dissolved Oxygen	0.07		0	0	mg/L	Field	
Iron - Total	3010		25.0	50.0	ug/L	EPA 6020B	
Nitrate as N	1.4		0.052	1.0	mg/L	EPA 300.0	
pH	6.32				pH Units	Field	
Sodium - Total	44.1		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1465		0	0	umhos/cm	Field	
Sulfate	2.0	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	31.4		0	0	°C	Field	
Total Dissolved Solids	820		10	10	mg/L	SM 2540C-2011	
Turbidity	3.6		0	0	NTU	Field	
Water Elevation	42.86				Ft	Field	
Client ID: MW-5		Lab ID: AE00039-02RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	6.3		0.049	0.10	mg/L	EPA 350.1	
Client ID: MW-6		Lab ID: AE00039-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	28.8		5.00	10.0	ug/L	EPA 6020B	
Chloride	27		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	35.61				Ft	Field	
Dissolved Oxygen	0.08		0	0	mg/L	Field	
Mercury - Total	0.0319	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	1.6		0.052	1.0	mg/L	EPA 300.0	
pH	6.23				pH Units	Field	
Sodium - Total	30.9		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1551		0	0	umhos/cm	Field	
Temperature	24.4		0	0	°C	Field	
Total Dissolved Solids	990		10	10	mg/L	SM 2540C-2011	
Turbidity	1.1		0	0	NTU	Field	
Water Elevation	42.44				Ft	Field	
Client ID: MW-6		Lab ID: AE00039-03RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	3.8		0.020	0.040	mg/L	EPA 350.1	
Iron - Total	13000		250	500	ug/L	EPA 6020B	
Sulfate	130		0.13	10	mg/L	EPA 300.0	



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SAMPLE DETECTION SUMMARY

Client ID: MW-7		Lab ID: AE00039-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.92		0.0098	0.020	mg/L	EPA 350.1	
Arsenic - Total	18.4		5.00	10.0	ug/L	EPA 6020B	
Chloride	23		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	46.28				Ft	Field	
Dissolved Oxygen	0.09		0	0	mg/L	Field	
Mercury - Total	0.0739	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	1.4		0.052	1.0	mg/L	EPA 300.0	
pH	6.19				pH Units	Field	
Sodium - Total	31.1		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1494		0	0	umhos/cm	Field	
Temperature	24.8		0	0	°C	Field	
Total Dissolved Solids	960		10	10	mg/L	SM 2540C-2011	
Turbidity	2		0	0	NTU	Field	
Water Elevation	42.39				Ft	Field	
Client ID: MW-7		Lab ID: AE00039-04RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	54600		250	500	ug/L	EPA 6020B	
Sulfate	310		0.53	40	mg/L	EPA 300.0	
Client ID: MW-8		Lab ID: AE00039-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	54		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	28.96				Ft	Field	
Dissolved Oxygen	0.09		0	0	mg/L	Field	
Nitrate as N	0.85	I	0.052	1.0	mg/L	EPA 300.0	
o-Xylene	1.1		0.53	1.0	ug/L	EPA 8260D	
pH	6.34				pH Units	Field	
Sodium - Total	53.1		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1374		0	0	umhos/cm	Field	
Temperature	25.5		0	0	°C	Field	
Total Dissolved Solids	770		10	10	mg/L	SM 2540C-2011	
Turbidity	1.2		0	0	NTU	Field	
Water Elevation	42.21				Ft	Field	
Client ID: MW-8		Lab ID: AE00039-05RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	12		0.098	0.20	mg/L	EPA 350.1	
Iron - Total	26600		250	500	ug/L	EPA 6020B	
Client ID: MW-9		Lab ID: AE00039-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	52.3	I	50.0	100	ug/L	EPA 6020B	
Ammonia as N	0.30		0.0098	0.020	mg/L	EPA 350.1	
Chloride	21		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	25.58				Ft	Field	
Dissolved Oxygen	0.11		0	0	mg/L	Field	
Iron - Total	233		25.0	50.0	ug/L	EPA 6020B	
pH	6.67				pH Units	Field	
Sodium - Total	13.8		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1068		0	0	umhos/cm	Field	
Temperature	23.2		0	0	°C	Field	
Total Dissolved Solids	660		10	10	mg/L	SM 2540C-2011	
Turbidity	0.9		0	0	NTU	Field	
Water Elevation	43.06				Ft	Field	
Client ID: MW-9		Lab ID: AE00039-06RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	110		0.13	10	mg/L	EPA 300.0	



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ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: AE00039-01

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 12:33

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	A-07, QM-19
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/22/21 23:19	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
4-Bromofluorobenzene	52	1	50.0	104 %	41-142	1A22046	EPA 8260D	01/22/21 23:19	KKW		
Dibromofluoromethane	55	1	50.0	109 %	53-146	1A22046	EPA 8260D	01/22/21 23:19	KKW		
Toluene-d8	49	1	50.0	97 %	41-146	1A22046	EPA 8260D	01/22/21 23:19	KKW		



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ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: AE00039-01

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 12:33

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22016	EPA 7470A	01/25/21 09:54	SSE	

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]^	50.0	U	ug/L	1	50.0	100	1A21027	EPA 6020B	01/25/21 14:10	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 14:10	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	3.00	1A21027	EPA 6020B	01/25/21 14:10	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 14:10	JMA	
Iron [7439-89-6]^	6140		ug/L	1	25.0	50.0	1A21027	EPA 6020B	01/25/21 14:10	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1A21027	EPA 6020B	01/25/21 14:10	JMA	
Sodium [7440-23-5]^	25.2		mg/L	1	0.320	1.00	1A21027	EPA 6020B	01/25/21 14:10	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]^	2.0		mg/L	1	0.0098	0.020	1A21001	EPA 350.1	01/21/21 10:55	cbarr	
Chloride [16887-00-6]^	19		mg/L	1	0.29	5.0	1A20043	EPA 300.0	01/21/21 10:49	DFC	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1A20043	EPA 300.0	01/21/21 10:49	DFC	
Sulfate [14808-79-8]^	320		mg/L	8	0.53	40	1A22023	EPA 300.0	01/22/21 18:26	DFC	
Total Dissolved Solids^	1000		mg/L	1	10	10	1A27001	SM 2540C-2011	01/28/21 14:57	AMP	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	32.36		Ft	1			1B01060	Field	01/20/21 12:33	CSP	
Dissolved Oxygen	0.08		mg/L	1	0	0	1B01060	Field	01/20/21 12:33	CSP	
pH	6.48		pH Units	1			1B01060	Field	01/20/21 12:33	CSP	
Specific Conductance (EC)	1475		umhos/cm	1	0	0	1B01060	Field	01/20/21 12:33	CSP	
Temperature	24.9		°C	1	0	0	1B01060	Field	01/20/21 12:33	CSP	
Turbidity	2.3		NTU	1	0	0	1B01060	Field	01/20/21 12:33	CSP	
Water Elevation	42.3		Ft	1			1B01060	Field	01/20/21 12:33	CSP	



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ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: AE00039-02

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 13:21

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	A-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/22/21 23:49	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	52	1	50.0	104 %	41-142	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Dibromofluoromethane	53	1	50.0	106 %	53-146	1A22046	EPA 8260D	01/22/21 23:49	KKW	
Toluene-d8	47	1	50.0	95 %	41-146	1A22046	EPA 8260D	01/22/21 23:49	KKW	



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ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: AE00039-02

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 13:21

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22016	EPA 7470A	01/25/21 09:57	SSE	

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]^	108		ug/L	1	50.0	100	1A21027	EPA 6020B	01/25/21 17:50	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 17:50	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	3.00	1A21027	EPA 6020B	01/25/21 17:50	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 17:50	JMA	
Iron [7439-89-6]^	3010		ug/L	1	25.0	50.0	1A21027	EPA 6020B	01/25/21 17:50	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1A21027	EPA 6020B	01/25/21 17:50	JMA	
Sodium [7440-23-5]^	44.1		mg/L	1	0.320	1.00	1A21027	EPA 6020B	01/25/21 17:50	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	6.3		mg/L	5	0.049	0.10	1A21001	EPA 350.1	01/21/21 11:04	cbarr	
Chloride [16887-00-6]^	45		mg/L	1	0.29	5.0	1A20043	EPA 300.0	01/21/21 11:06	DFC	
Nitrate as N [14797-55-8]^	1.4		mg/L	1	0.052	1.0	1A20043	EPA 300.0	01/21/21 11:06	DFC	
Sulfate [14808-79-8]^	2.0	I	mg/L	1	0.07	5.0	1A20043	EPA 300.0	01/21/21 11:06	DFC	
Total Dissolved Solids^	820		mg/L	1	10	10	1A27001	SM 2540C-2011	01/28/21 14:57	AMP	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	45.14		Ft	1			1B01060	Field	01/20/21 13:21	CSP	
Dissolved Oxygen	0.07		mg/L	1	0	0	1B01060	Field	01/20/21 13:21	CSP	
pH	6.32		pH Units	1			1B01060	Field	01/20/21 13:21	CSP	
Specific Conductance (EC)	1465		umhos/cm	1	0	0	1B01060	Field	01/20/21 13:21	CSP	
Temperature	31.4		°C	1	0	0	1B01060	Field	01/20/21 13:21	CSP	
Turbidity	3.6		NTU	1	0	0	1B01060	Field	01/20/21 13:21	CSP	
Water Elevation	42.86		Ft	1			1B01060	Field	01/20/21 13:21	CSP	



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ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: AE00039-03

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 11:05

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	A-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 00:18	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	54	1	50.0	107 %	41-142	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Dibromofluoromethane	55	1	50.0	110 %	53-146	1A22046	EPA 8260D	01/23/21 00:18	KKW	
Toluene-d8	47	1	50.0	94 %	41-146	1A22046	EPA 8260D	01/23/21 00:18	KKW	



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ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: AE00039-03

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 11:05

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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]^	0.0319	I	ug/L	1	0.0230	0.200	1A22016	EPA 7470A	01/25/21 10:01	SSE	

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]^	50.0	U	ug/L	1	50.0	100	1A21027	EPA 6020B	01/25/21 17:54	JMA	
Arsenic [7440-38-2]^	28.8		ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 17:54	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	3.00	1A21027	EPA 6020B	01/25/21 17:54	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 17:54	JMA	
Iron [7439-89-6]^	13000		ug/L	10	250	500	1A21027	EPA 6020B	01/25/21 18:30	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1A21027	EPA 6020B	01/25/21 17:54	JMA	
Sodium [7440-23-5]^	30.9		mg/L	1	0.320	1.00	1A21027	EPA 6020B	01/25/21 17:54	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	3.8		mg/L	2	0.020	0.040	1A21001	EPA 350.1	01/21/21 11:05	cbarr	
Chloride [16887-00-6]^	27		mg/L	1	0.29	5.0	1A20043	EPA 300.0	01/21/21 13:09	DFC	
Nitrate as N [14797-55-8]^	1.6		mg/L	1	0.052	1.0	1A20043	EPA 300.0	01/21/21 13:09	DFC	
Sulfate [14808-79-8]^	130		mg/L	2	0.13	10	1A22023	EPA 300.0	01/22/21 18:45	DFC	
Total Dissolved Solids^	990		mg/L	1	10	10	1A27001	SM 2540C-2011	01/28/21 14:57	AMP	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	35.61		Ft	1			1B01060	Field	01/20/21 11:05	CSP	
Dissolved Oxygen	0.08		mg/L	1	0	0	1B01060	Field	01/20/21 11:05	CSP	
pH	6.23		pH Units	1			1B01060	Field	01/20/21 11:05	CSP	
Specific Conductance (EC)	1551		umhos/cm	1	0	0	1B01060	Field	01/20/21 11:05	CSP	
Temperature	24.4		°C	1	0	0	1B01060	Field	01/20/21 11:05	CSP	
Turbidity	1.1		NTU	1	0	0	1B01060	Field	01/20/21 11:05	CSP	
Water Elevation	42.44		Ft	1			1B01060	Field	01/20/21 11:05	CSP	



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ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AE00039-04

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 11:37

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	A-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 00:48	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	53	1	50.0	106 %	41-142	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Dibromofluoromethane	55	1	50.0	110 %	53-146	1A22046	EPA 8260D	01/23/21 00:48	KKW	
Toluene-d8	48	1	50.0	96 %	41-146	1A22046	EPA 8260D	01/23/21 00:48	KKW	



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ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AE00039-04

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 11:37

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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]^	0.0739	I	ug/L	1	0.0230	0.200	1A22016	EPA 7470A	01/25/21 10:04	SSE	

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]^	50.0	U	ug/L	1	50.0	100	1A21027	EPA 6020B	01/25/21 18:02	JMA	
Arsenic [7440-38-2]^	18.4		ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 18:02	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	3.00	1A21027	EPA 6020B	01/25/21 18:02	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 18:02	JMA	
Iron [7439-89-6]^	54600		ug/L	10	250	500	1A21027	EPA 6020B	01/25/21 18:50	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1A21027	EPA 6020B	01/25/21 18:02	JMA	
Sodium [7440-23-5]^	31.1		mg/L	1	0.320	1.00	1A21027	EPA 6020B	01/25/21 18:02	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]^	0.92		mg/L	1	0.0098	0.020	1A21001	EPA 350.1	01/21/21 10:58	cbarr	
Chloride [16887-00-6]^	23		mg/L	1	0.29	5.0	1A20043	EPA 300.0	01/21/21 12:16	DFC	
Nitrate as N [14797-55-8]^	1.4		mg/L	1	0.052	1.0	1A20043	EPA 300.0	01/21/21 12:16	DFC	
Sulfate [14808-79-8]^	310		mg/L	8	0.53	40	1A22023	EPA 300.0	01/22/21 19:03	DFC	
Total Dissolved Solids^	960		mg/L	1	10	10	1A27001	SM 2540C-2011	01/28/21 14:57	AMP	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	46.28		Ft	1			1B01060	Field	01/20/21 11:37	CSP	
Dissolved Oxygen	0.09		mg/L	1	0	0	1B01060	Field	01/20/21 11:37	CSP	
pH	6.19		pH Units	1			1B01060	Field	01/20/21 11:37	CSP	
Specific Conductance (EC)	1494		umhos/cm	1	0	0	1B01060	Field	01/20/21 11:37	CSP	
Temperature	24.8		°C	1	0	0	1B01060	Field	01/20/21 11:37	CSP	
Turbidity	2		NTU	1	0	0	1B01060	Field	01/20/21 11:37	CSP	
Water Elevation	42.39		Ft	1			1B01060	Field	01/20/21 11:37	CSP	



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ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: AE00039-05

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 10:31

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	A-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
o-Xylene [95-47-6]^	1.1		ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 01:17	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	103 %	41-142	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Dibromofluoromethane	55	1	50.0	110 %	53-146	1A22046	EPA 8260D	01/23/21 01:17	KKW	
Toluene-d8	50	1	50.0	99 %	41-146	1A22046	EPA 8260D	01/23/21 01:17	KKW	



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ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: AE00039-05

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 10:31

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22016	EPA 7470A	01/25/21 10:07	SSE	

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]^	50.0	U	ug/L	1	50.0	100	1A21027	EPA 6020B	01/25/21 18:06	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 18:06	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	3.00	1A21027	EPA 6020B	01/25/21 18:06	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 18:06	JMA	
Iron [7439-89-6]^	26600		ug/L	10	250	500	1A21027	EPA 6020B	01/25/21 18:54	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1A21027	EPA 6020B	01/25/21 18:06	JMA	
Sodium [7440-23-5]^	53.1		mg/L	1	0.320	1.00	1A21027	EPA 6020B	01/25/21 18:06	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	12		mg/L	10	0.098	0.20	1A21001	EPA 350.1	01/21/21 11:09	cbarr	
Chloride [16887-00-6]^	54		mg/L	1	0.29	5.0	1A20043	EPA 300.0	01/21/21 12:34	DFC	
Nitrate as N [14797-55-8]^	0.85	I	mg/L	1	0.052	1.0	1A20043	EPA 300.0	01/21/21 12:34	DFC	
Sulfate [14808-79-8]^	0.07	U	mg/L	1	0.07	5.0	1A20043	EPA 300.0	01/21/21 12:34	DFC	
Total Dissolved Solids^	770		mg/L	1	10	10	1A27001	SM 2540C-2011	01/28/21 14:57	AMP	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	28.96		Ft	1			1B01060	Field	01/20/21 10:31	CSP	
Dissolved Oxygen	0.09		mg/L	1	0	0	1B01060	Field	01/20/21 10:31	CSP	
pH	6.34		pH Units	1			1B01060	Field	01/20/21 10:31	CSP	
Specific Conductance (EC)	1374		umhos/cm	1	0	0	1B01060	Field	01/20/21 10:31	CSP	
Temperature	25.5		°C	1	0	0	1B01060	Field	01/20/21 10:31	CSP	
Turbidity	1.2		NTU	1	0	0	1B01060	Field	01/20/21 10:31	CSP	
Water Elevation	42.21		Ft	1			1B01060	Field	01/20/21 10:31	CSP	



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ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: AE00039-06

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 10:08

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	A-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 01:46	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	99 %	41-142	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Dibromofluoromethane	54	1	50.0	108 %	53-146	1A22046	EPA 8260D	01/23/21 01:46	KKW	
Toluene-d8	47	1	50.0	95 %	41-146	1A22046	EPA 8260D	01/23/21 01:46	KKW	



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ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: AE00039-06

Received: 01/21/21 08:55

Matrix: Ground Water

Sampled: 01/20/21 10:08

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: Chris Monaco

RECYCLING

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	1A22016	EPA 7470A	01/25/21 10:10	SSE	

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]^	52.3	I	ug/L	1	50.0	100	1A21027	EPA 6020B	01/25/21 18:10	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 18:10	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	3.00	1A21027	EPA 6020B	01/25/21 18:10	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1A21027	EPA 6020B	01/25/21 18:10	JMA	
Iron [7439-89-6]^	233		ug/L	1	25.0	50.0	1A21027	EPA 6020B	01/25/21 18:10	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1A21027	EPA 6020B	01/25/21 18:10	JMA	
Sodium [7440-23-5]^	13.8		mg/L	1	0.320	1.00	1A21027	EPA 6020B	01/25/21 18:10	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]^	0.30		mg/L	1	0.0098	0.020	1A21001	EPA 350.1	01/21/21 11:01	cbarr	
Chloride [16887-00-6]^	21		mg/L	1	0.29	5.0	1A20043	EPA 300.0	01/21/21 12:51	DFC	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1A20043	EPA 300.0	01/21/21 12:51	DFC	
Sulfate [14808-79-8]^	110		mg/L	2	0.13	10	1A22023	EPA 300.0	01/22/21 19:58	DFC	
Total Dissolved Solids^	660		mg/L	1	10	10	1A27001	SM 2540C-2011	01/28/21 14:57	AMP	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	25.58		Ft	1			1B01060	Field	01/20/21 10:08	CSP	
Dissolved Oxygen	0.11		mg/L	1	0	0	1B01060	Field	01/20/21 10:08	CSP	
pH	6.67		pH Units	1			1B01060	Field	01/20/21 10:08	CSP	
Specific Conductance (EC)	1068		umhos/cm	1	0	0	1B01060	Field	01/20/21 10:08	CSP	
Temperature	23.2		°C	1	0	0	1B01060	Field	01/20/21 10:08	CSP	
Turbidity	0.9		NTU	1	0	0	1B01060	Field	01/20/21 10:08	CSP	
Water Elevation	43.06		Ft	1			1B01060	Field	01/20/21 10:08	CSP	



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ANALYTICAL RESULTS

Description: TRIP BLANK

Lab Sample ID: AE00039-07

Received: 01/21/21 08:55

Matrix: Water

Sampled: 01/20/21 00:00

Work Order: AE00039

Project: FRIENDS RECYCLING FORMERLY OCALA

Sampled By: ENCO

RECYCLING

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	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	A-07
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1A22046	EPA 8260D	01/23/21 02:16	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	103 %	41-142	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Dibromofluoromethane	52	1	50.0	104 %	53-146	1A22046	EPA 8260D	01/23/21 02:16	KKW	
Toluene-d8	47	1	50.0	95 %	41-146	1A22046	EPA 8260D	01/23/21 02:16	KKW	



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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A22046 - EPA 5030B_MS

Blank (1A22046-BLK1)

Prepared: 01/22/2021 13:58 Analyzed: 01/22/2021 22:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	2.5	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	0.50	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	2.5	U	5.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
<hr/>											
4-Bromofluorobenzene	52			ug/L	50.0		105	41-142			
Dibromofluoromethane	54			ug/L	50.0		107	53-146			
Toluene-d8	48			ug/L	50.0		95	41-146			

LCS (1A22046-BS1)

Prepared: 01/22/2021 13:58 Analyzed: 01/22/2021 20:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		99	47-139			
Benzene	19		1.0	ug/L	20.0		93	56-136			
Chlorobenzene	23		1.0	ug/L	20.0		117	51-139			
Toluene	23		1.0	ug/L	20.0		113	64-131			



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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A22046 - EPA 5030B_MS - Continued

LCS (1A22046-BS1) Continued

Prepared: 01/22/2021 13:58 Analyzed: 01/22/2021 20:51

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	22		1.0	ug/L	20.0		109	62-135			
4-Bromofluorobenzene	53			ug/L	50.0		106	41-142			
Dibromofluoromethane	54			ug/L	50.0		107	53-146			
Toluene-d8	47			ug/L	50.0		95	41-146			

Matrix Spike (1A22046-MS1)

Prepared: 01/22/2021 13:58 Analyzed: 01/22/2021 21:21

Source: AE00039-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.94 U	111	47-139			
Benzene	20		1.0	ug/L	20.0	0.71 U	98	56-136			
Chlorobenzene	24		1.0	ug/L	20.0	0.72 U	120	51-139			
Toluene	24		1.0	ug/L	20.0	0.72 U	118	64-131			
Trichloroethene	22		1.0	ug/L	20.0	0.89 U	110	62-135			
4-Bromofluorobenzene	52			ug/L	50.0		104	41-142			
Dibromofluoromethane	55			ug/L	50.0		111	53-146			
Toluene-d8	48			ug/L	50.0		96	41-146			

Matrix Spike Dup (1A22046-MSD1)

Prepared: 01/22/2021 13:58 Analyzed: 01/22/2021 21:50

Source: AE00039-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.94 U	107	47-139	4	16	
Benzene	20		1.0	ug/L	20.0	0.71 U	98	56-136	0.1	14	
Chlorobenzene	24		1.0	ug/L	20.0	0.72 U	118	51-139	2	13	
Toluene	23		1.0	ug/L	20.0	0.72 U	115	64-131	2	16	
Trichloroethene	22		1.0	ug/L	20.0	0.89 U	111	62-135	1	20	
4-Bromofluorobenzene	53			ug/L	50.0		106	41-142			
Dibromofluoromethane	55			ug/L	50.0		110	53-146			
Toluene-d8	49			ug/L	50.0		97	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1A22016 - EPA 7470A

Blank (1A22016-BLK1)

Prepared: 01/22/2021 12:20 Analyzed: 01/25/2021 09:08

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

Blank (1A22016-BLK2)

Prepared: 01/22/2021 12:20 Analyzed: 01/25/2021 09:11

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							

Blank (1A22016-BLK3)

Prepared: 01/22/2021 12:20 Analyzed: 01/25/2021 09:14

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							



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QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1A22016 - EPA 7470A - Continued

LCS (1A22016-BS1)

Prepared: 01/22/2021 12:20 Analyzed: 01/25/2021 09:17

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.04		0.200	ug/L	5.00		101	80-120			

Matrix Spike (1A22016-MS1)

Prepared: 01/22/2021 12:20 Analyzed: 01/25/2021 09:23

Source: AE00372-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	50.1		2.00	ug/L	50.0	0.230 U	100	75-125			

Matrix Spike Dup (1A22016-MSD1)

Prepared: 01/22/2021 12:20 Analyzed: 01/25/2021 09:26

Source: AE00372-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	49.7		2.00	ug/L	50.0	0.230 U	99	75-125	0.8	20	

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

Batch 1A21027 - EPA 3005A

Blank (1A21027-BLK1)

Prepared: 01/21/2021 15:13 Analyzed: 01/25/2021 14:02

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

LCS (1A21027-BS1)

Prepared: 01/21/2021 15:13 Analyzed: 01/25/2021 14:06

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	982		100	ug/L	1000		98	80-120			
Arsenic	481		10.0	ug/L	500		96	80-120			
Cadmium	47.2		3.00	ug/L	50.0		94	80-120			
Chromium	495		10.0	ug/L	500		99	80-120			
Iron	939		50.0	ug/L	1000		94	80-120			
Lead	490		5.00	ug/L	500		98	80-120			
Sodium	24.0		1.00	mg/L	25.0		96	80-120			

Matrix Spike (1A21027-MS1)

Prepared: 01/21/2021 15:13 Analyzed: 01/25/2021 14:18

Source: AE00039-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1010		100	ug/L	1000	50.0 U	101	75-125			
Arsenic	483		10.0	ug/L	500	5.00 U	97	75-125			
Cadmium	47.1		3.00	ug/L	50.0	0.500 U	94	75-125			
Chromium	494		10.0	ug/L	500	5.00 U	99	75-125			
Iron	7100		50.0	ug/L	1000	6140	96	75-125			
Lead	480		5.00	ug/L	500	2.50 U	96	75-125			
Sodium	48.4		1.00	mg/L	25.0	25.2	93	75-125			



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QUALITY CONTROL DATA

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

Batch 1A21027 - EPA 3005A - Continued

Matrix Spike Dup (1A21027-MSD1)

Prepared: 01/21/2021 15:13 Analyzed: 01/25/2021 14:22

Source: AE00039-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1050		100	ug/L	1000	50.0 U	105	75-125	4	20	
Arsenic	492		10.0	ug/L	500	5.00 U	98	75-125	2	20	
Cadmium	48.0		3.00	ug/L	50.0	0.500 U	96	75-125	2	20	
Chromium	504		10.0	ug/L	500	5.00 U	101	75-125	2	20	
Iron	7140		50.0	ug/L	1000	6140	100	75-125	0.5	20	
Lead	491		5.00	ug/L	500	2.50 U	98	75-125	2	20	
Sodium	49.8		1.00	mg/L	25.0	25.2	99	75-125	3	20	

Batch AA64637 - 1A21026

Serial Dilution (AA64637-SRD1)

Prepared: 01/21/2021 15:13 Analyzed: 01/25/2021 13:26

Source: AE00163-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	56500	L	5.00	ug/L		54800			3		

Classical Chemistry Parameters - Quality Control

Batch 1A20043 - NO PREP

Blank (1A20043-BLK1)

Prepared: 01/20/2021 18:07 Analyzed: 01/20/2021 22:54

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							

LCS (1A20043-BS1)

Prepared: 01/20/2021 18:07 Analyzed: 01/20/2021 23:12

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0		101	90-110			
Nitrate as N	25		1.0	mg/L	25.0		101	90-110			
Sulfate	46		5.0	mg/L	50.0		93	90-110			

Matrix Spike (1A20043-MS1)

Prepared: 01/20/2021 18:07 Analyzed: 01/20/2021 23:47

Source: AE00163-07

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	62		5.0	mg/L	50.0	9.9	104	90-110			
Nitrate as N	26		1.0	mg/L	25.0	0.052 U	103	90-110			
Sulfate	52		5.0	mg/L	50.0	5.2	93	90-110			

Matrix Spike (1A20043-MS2)

Prepared: 01/20/2021 18:07 Analyzed: 01/21/2021 00:22

Source: AE00163-09

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	65		5.0	mg/L	50.0	12	105	90-110			
Nitrate as N	26		1.0	mg/L	25.0	0.052 U	104	90-110			
Sulfate	49		5.0	mg/L	50.0	0.19	97	90-110			



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QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 1A20043 - NO PREP - Continued

Matrix Spike Dup (1A20043-MSD1)

Prepared: 01/20/2021 18:07 Analyzed: 01/21/2021 00:05

Source: AE00163-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	62		5.0	mg/L	50.0	9.9	105	90-110	1	10	
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	101	90-110	2	10	
Sulfate	52		5.0	mg/L	50.0	5.2	94	90-110	1	10	

Matrix Spike Dup (1A20043-MSD2)

Prepared: 01/20/2021 18:07 Analyzed: 01/21/2021 00:40

Source: AE00163-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	64		5.0	mg/L	50.0	12	104	90-110	0.9	10	
Nitrate as N	26		1.0	mg/L	25.0	0.052 U	104	90-110	0.5	10	
Sulfate	48		5.0	mg/L	50.0	0.19	95	90-110	2	10	

Batch 1A21001 - NO PREP

Blank (1A21001-BLK1)

Prepared: 01/21/2021 06:13 Analyzed: 01/21/2021 10:45

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

LCS (1A21001-BS1)

Prepared: 01/21/2021 06:13 Analyzed: 01/21/2021 10:47

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

Matrix Spike (1A21001-MS1)

Prepared: 01/21/2021 06:13 Analyzed: 01/21/2021 10:49

Source: AE00031-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00	0.0098 U	102	90-110			

Matrix Spike Dup (1A21001-MSD1)

Prepared: 01/21/2021 06:13 Analyzed: 01/21/2021 10:50

Source: AE00031-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00	0.0098 U	101	90-110	1	10	

Batch 1A22023 - NO PREP

Blank (1A22023-BLK1)

Prepared: 01/22/2021 11:13 Analyzed: 01/22/2021 12:38

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

LCS (1A22023-BS1)

Prepared: 01/22/2021 11:13 Analyzed: 01/22/2021 12:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	47		5.0	mg/L	50.0		93	90-110			



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QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 1A22023 - NO PREP - Continued

Matrix Spike (1A22023-MS1)

Prepared: 01/22/2021 11:13 Analyzed: 01/22/2021 17:13

Source: AE00287-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	200	L	5.0	mg/L	50.0	160	76	90-110			QM-07

Matrix Spike (1A22023-MS2)

Prepared: 01/22/2021 11:13 Analyzed: 01/22/2021 21:12

Source: AE00138-18

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	140	L	5.0	mg/L	50.0	94	86	90-110			QM-07

Matrix Spike Dup (1A22023-MSD1)

Prepared: 01/22/2021 11:13 Analyzed: 01/22/2021 17:31

Source: AE00287-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	200	L	5.0	mg/L	50.0	160	80	90-110	0.8	10	QM-07

Matrix Spike Dup (1A22023-MSD2)

Prepared: 01/22/2021 11:13 Analyzed: 01/22/2021 21:30

Source: AE00138-18

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	140	L	5.0	mg/L	50.0	94	84	90-110	0.7	10	QM-07

Batch 1A27001 - NO PREP

Blank (1A27001-BLK1)

Prepared: 01/27/2021 12:57 Analyzed: 01/28/2021 14:57

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

LCS (1A27001-BS1)

Prepared: 01/27/2021 12:57 Analyzed: 01/28/2021 14:57

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	100		10	mg/L	100		100	90-110			

Duplicate (1A27001-DUP1)

Prepared: 01/27/2021 12:57 Analyzed: 01/28/2021 14:57

Source: AE00039-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	970		10	mg/L		1000			3	20	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
[CALC]	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
A-07	Analyte biased low in LCS but detected in the reporting limit standard. Since the analyte in the associated sample was not detected, there is no impact on data quality.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-19	The spike recovery was outside acceptance limits for the MS and/or MSD.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.


ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name Friends Recycling (FR008)		Project Number 21012		Requested Analyses								Requested Turnaround Times		
Address 2350 NW 27th Avenue		Project Name/Disc FRIENDS RECYCLING FORMERLY OCALA RECYCLING		8260D Arom/Halo	Chloride 300, Nitrate as N 350, Sulfate 200, TDS 5M2540C	Ammonia 350.1	Al, As, Cd, Cr, Fe, Hg, Na, Pb							Note: Rush requests subject to acceptance by the facility <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited Due <u> </u> / <u> </u> / <u> </u>
City/ST/Zip Ocala, FL 34475		PO # / Billing Info												
Tel (352) 266-4853	Fax (352) 622-4999	Reporting Contact Nick Giumarelli												
Sampler(s) Name, Affiliation (Print) <i>Chris Amato</i>		Billing Contact Nick Giumarelli												
Sampler(s) Signature <i>Chris Amato</i>		Site Location/Time Zone FL EST		Preservation (See Codes) (Combine as necessary)								Lab Workorder AE00039		

Preservation (See Codes) (Combine as necessary)																		
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	IH	I	IS	N								Sample Comments
	MW-1	1/20/21	1233	Grab	GW	6	X	X	X	X								
	MW-5	1/20/21	1321	Grab	GW	6	X	X	X	X								
	MW-6	1/20/21	1105	Grab	GW	6	X	X	X	X								
	MW-7	1/20/21	1137	Grab	GW	6	X	X	X	X								
	MW-8	1/20/21	1031	Grab	GW	6	X	X	X	X								
	MW-9	1/20/21	1000	Grab	GW	6	X	X	X	X								
	TRIP BLANK	—	—	—	WA	2	X	—	—	—								Lab supplied

Sample Kit Prepared By ECG	Date/Time 1/15/21 16:10	Relinquished By <i>[Signature]</i>	Date/Time 1/15/21 16:10	Received By <i>[Signature]</i>	Date/Time 1/16/21 1230
Comments/Special Reporting Requirements		Relinquished By <i>[Signature]</i>	Date/Time 1/21/21 0854	Received By <i>[Signature]</i>	Date/Time 1.21.21 0855
Cooler #'s & Temps on Receipt Med 342 4.8°C		Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable			

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

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

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

