
SEMI-ANNUAL MONITORING REPORT

SECOND HALF 2021

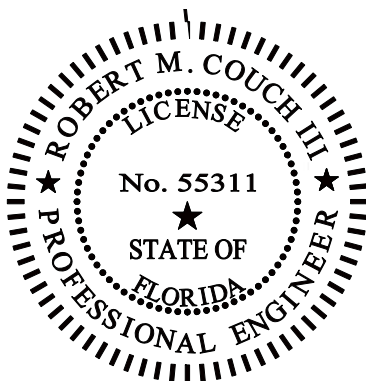
**FRIENDS RECYCLING
(FKA Big D Roofing, Inc.)
2350 NW 27th Avenue
Ocala, Marion County, Florida**

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



August 17, 2021



August 17, 2021

Friends Recycling
2350 NW 27th Avenue
Ocala, FL 34475

Attention: Mr. Nick Giunarelli

RE: Semi-Annual Sampling Activities for the Second 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 Second 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 July 23, 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 July 23, 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	452	300	ug/L	EPA 6020B
Sulfate	800	250	mg/L	EPA 300.0
Total Dissolved Solids	1800	500	mg/L	SM 2540C-2011

MW-5

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	7.6	2.8	mg/L	EPA 350.1
Iron - Total	14300	300	ug/L	EPA 6020B
Total Dissolved Solids	900	500	mg/L	SM 2540C-2011

MW-6

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	4.4	2.8	mg/L	EPA 350.1
Arsenic - Total	19.2	10	ug/L	EPA 6020B
Iron - Total	19900	300	ug/L	EPA 6020B
Sulfate	380	250	mg/L	EPA 300.0
Total Dissolved Solids	1500	500	mg/L	SM 2540C-2011

MW-7

Analyte	Results	Groundwater Criteria	Units	Method
Arsenic - Total	15.1	10	ug/L	EPA 6020B
Sulfate	250	250	mg/L	EPA 300.0
Iron - Total	43700	300	ug/L	EPA 6020B
Total Dissolved Solids	1000	500	mg/L	SM 2540C-2011

MW-8

Analyte	Results	Groundwater Criteria	Units	Method
Ammonia as N	14	2.8	ug/L	EPA 350.1
Iron - Total	25000	300	ug/L	EPA 6020B
Total Dissolved Solids	740	500	mg/L	SM 2540C-1997

MW-9

Analyte	Results	Groundwater Criteria	Units	Method
Total Dissolved Solids	620	500	mg/L	SM 2540C-1997

CONCLUSION

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

High levels of iron were noted in monitoring wells MW-1, MW-5, MW-6, MW-7 and MW-8. The iron concentration levels in all wells except MW-5 and 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-1, MW-5, and 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 and MW-6. The sulfate concentration level in MW-1 was lower and the sulfate concentration level was higher 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.

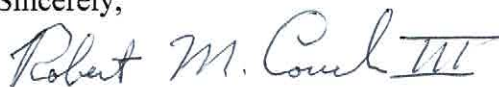
It should be noted that, according to the groundwater sampling logs, the samples were taken in accordance DEP-SOP-001/01 FS 2200.

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.

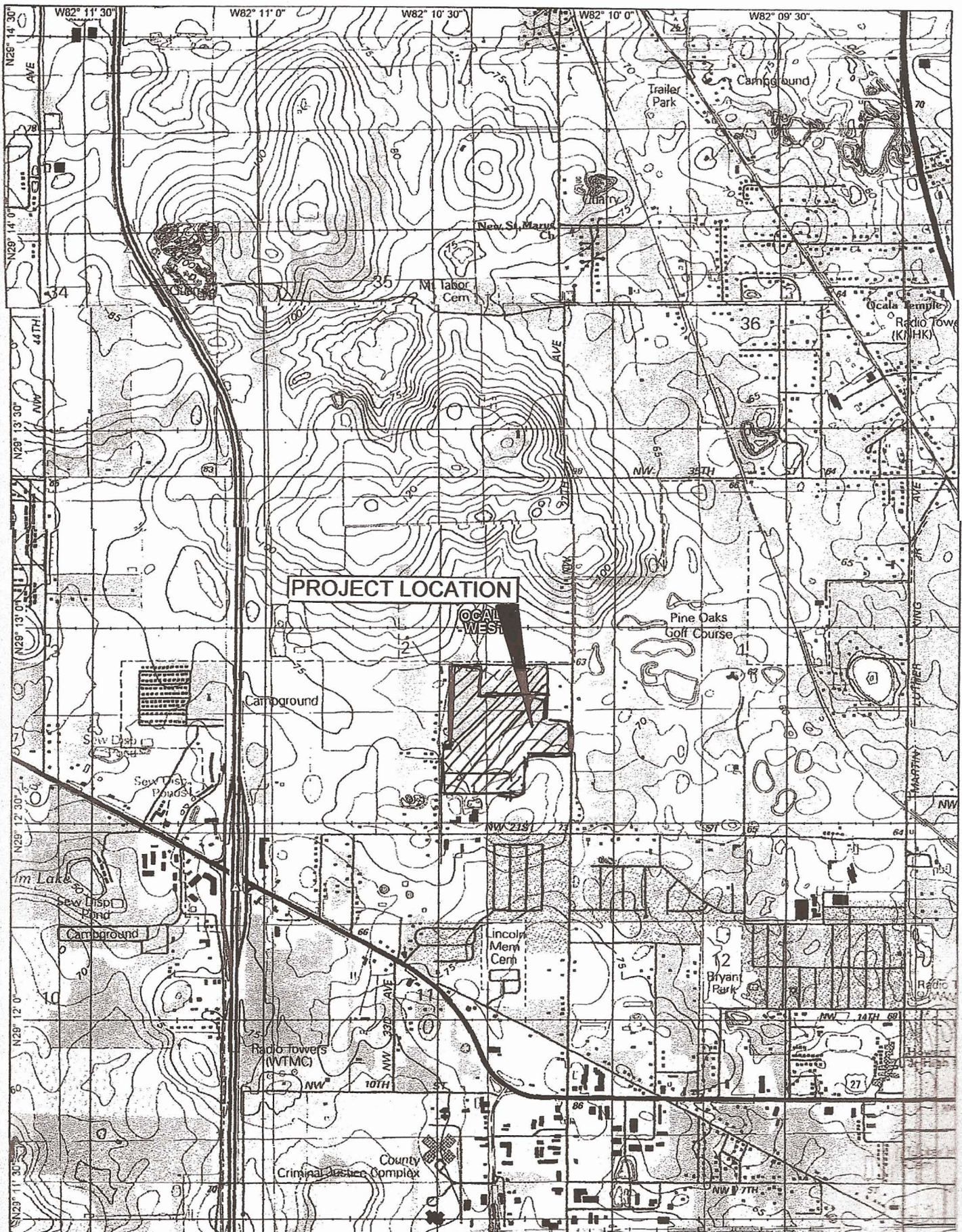
Thank you for the opportunity to provide consulting services to the Friends Recycling C&D Landfill. If you have any questions or comments about this report, please feel free to contact me at (352) 694-1799.

Sincerely,



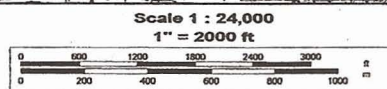
Robert M. Couch III, P.E.
President
ENVIRO-TECH, Inc.

APPENDIX



DELOME

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www.delorme.com



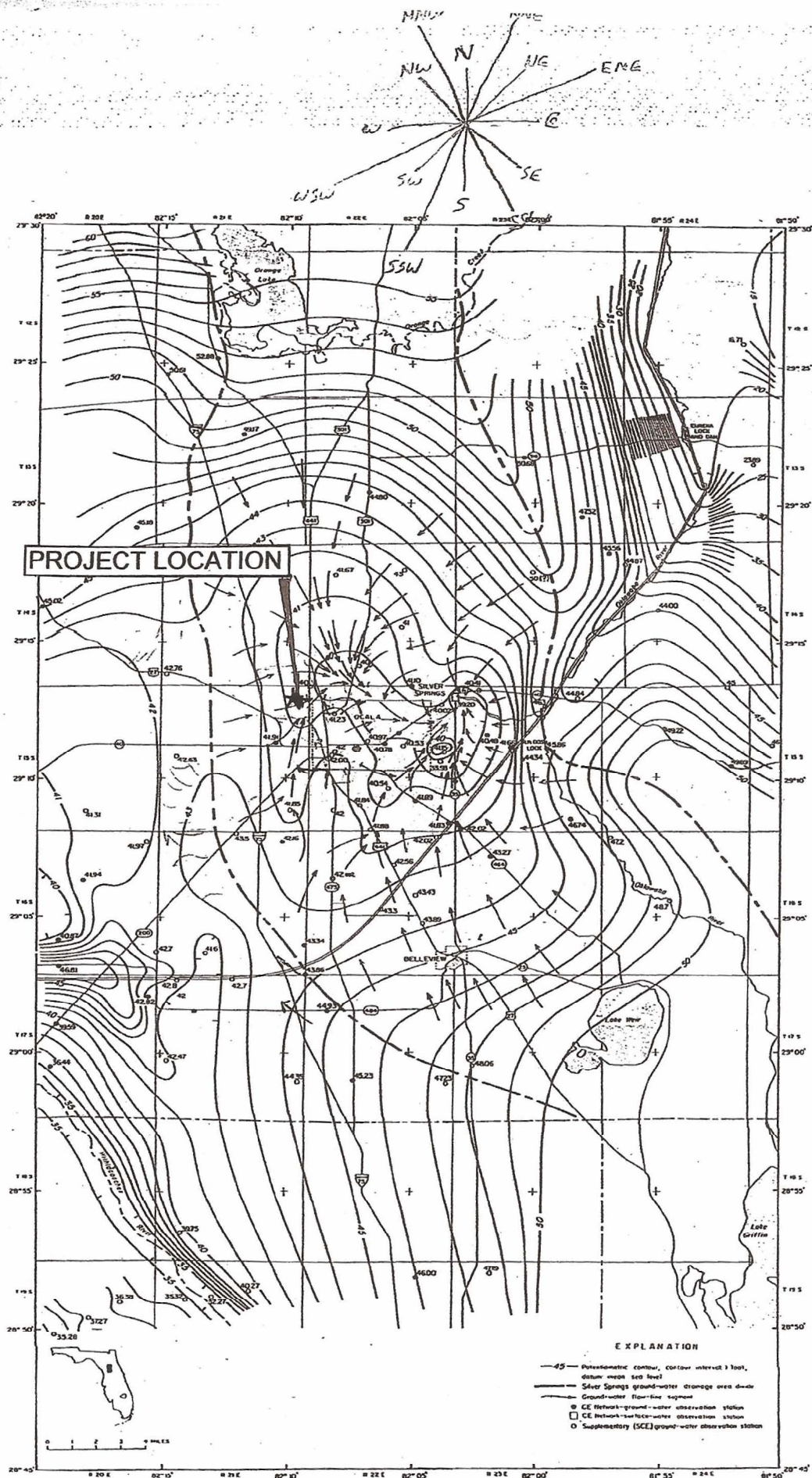


Figure 25. Potentiometric surface of upper part of Floridan Aquifer in May 1968 (low-water period), Ocala vicinity.

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

July 23, 2021

GROUNDWATER								
Well No.	WACS No.	Latitude	Longitude	Ground Surface Elevation	Top of Casing (TOC) Elevation	Total Well Depth	Depth to Water (7/23/2021)	Water Table Elevation (7/23/2021)
MW-1	18811	29d 12' 44.009" N	82d 10' 12.150" W	72.57	74.66	43.45	30.99	43.67
MW-5	22912	29d 12' 35.218" N	82d 10' 22.219" W	85.77	88.01	67.45	44.26	43.75
MW-6	22913	29d 12' 39.697" N	82d 10' 28.570" W	77.85	78.05	53.10	34.20	43.85
MW-7	22914	29d 12' 35.488" N	82d 10' 15.161" W	85.97	88.67	53.80	44.93	43.74
MW-8	22915	29d 12' 41.519" N	82d 10' 25.153" W	67.76	71.17	34.24	27.54	43.63
MW-9	22916	29d 12' 44.853" N	82d 10' 17.931" W	65.51	68.64	32.80	25.19	43.45

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

ATTACHMENT E

Florida Department of Environmental Protection

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

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

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

CERTIFICATION

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

8/17/2021 Robert M. Couch III
Date Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Ideal Tech Services, Inc.
Analytical Lab NELAC #/ HRS Certification E83282
Lab Name Environmental Conservation Laboratories (ENCO) Orlando
Address 10775 Central Port Drive Orlando Florida 32824
Phone Number (407) 826-5314
E-mail Address _____



CALIBRATION LOG

ITS Work Order Number: FRL-31-072321

CLIENT: Friends Recycling
ADDRESS: 2350 NW 27th Ave.
CITY, STATE: Ocala, Florida 34475
INITIAL CAL DATE @ TIME: 7/23/21 @ 0700

Site: Friends Recycling
CCV CALIBRATION DATE @ TIME: 7/23/21 @ 1700

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	3.98	CC698044	Oct-22	LOW 5.60	5.65		ITS YSI #2	03/31/21	
7.000	7.00	6.99	6.98	CC701463	Nov-22	HIGH 28.90		28.94	ITS YSI #2	03/31/21	
10.012	9.98	9.99	9.98	CC676281	Aug-22	LOW 5.60	5.60		ITS YSI #4	03/31/21	
Liquid Temp °C	27.8	27.8	25.7	Standards prepared by Oakton		HIGH 28.90		28.90	ITS YSI #4	03/31/21	
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 3/15/21		± 0.00	
STANDARD (mg/L)	METER READING		LOT NUMBER	EXPIRATION DATE	HF SCIENTIFIC MICRO TPW TURBIDITY METER - MODEL # 20000 SN 2021010003 Per DEP-SOP-001/01 FT 1600 ITS-3-NTU						
	INITIAL	CCV (± 0.3 mg/L)			STANDARD (ntu)		METER READING		CCV Acceptance % of standard value		
Barometer mm/Hg	761.0	758.8	No CCV Limit		INITIAL	CCV					
0.00	.04	.04	0GH1024	Aug-21							
Ambient Air Temperature					1,000	1000	1000	± 5.0%			
27.8 °C	7.88				100	N/A	N/A	± 6.5%			
25.7 °C		8.12			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%		
Start: ORP Sensor Per DEP-SOP-001/01 FT 2100 End:						Nephelometric Turbidity Unit (NTU) Standards are prepared by Pro Cal Set# 39845, Lot# 210249 EXP: Jan / 2023, 10.00 EXP: Feb / 2023, .02 and 1000.					
STANDARD (mV)	METER READING		LOT NUMBER	EXPIRATION DATE	HACH POCKET COLORIMETER II S/N 06070D052733						
	INITIAL	CCV			STANDARD ID	BLANK	1	2	3		
200	NM	NM	1GB663	Nov-21	MFGR VALUE mg/L	0.00	.21	0.90	1.61		
400	NM	NM	0GG243	Jul-21	VERIFIED VALUE mg/L	0.00	.19	.93	1.59		
Standard is ORP solution, prepared by USA Blue Book. Cal Limit is ± 5% @ 25° C					CCV METER mg/L (± 10%)	NM	NM	NM	NM		
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	1GB549	Feb-22	Weather Conditions: partly sunny 90° - 95° F						
2,764	2,764	2,770	0GL687	Dec-21							
84	91	92	1GB239	Feb-22	Equipment Blank with D.I. water						
Standards prepared by USA Blue Book. All standards are potassium chloride solutions.					Zephyrhills brand Lot # 42321113WF2331502						
					Exp Date 10/31/22						
					Equipment Blank Collected @ none collected						

Notes: NA - Not Applicable, NM - Not Measured, ICV - Initial Calibration Verification, CCV - Continuing Calibration Verification Revision 9.20 05/10/21 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: Lisa Saupp

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

Thursday, August 5, 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): AE05628

Dear Nick Giumarelli,

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

Carlene S Pasipanki

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1	Lab ID: AE05628-01	Sampled: 07/23/21 09:16	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	NO PREP	07/25/21 09:16	07/23/21 16:11	07/24/21 03:58
EPA 300.0	NO PREP	08/20/21	07/23/21 16:11	07/24/21 03:58
EPA 350.1	NO PREP	08/20/21	07/26/21 09:58	07/26/21 13:20
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 16:04
EPA 7470A	EPA 7470A	08/20/21	07/26/21 13:27	07/27/21 11:27
EPA 8260D	EPA 5030B_MS	08/06/21	07/26/21 08:29	07/26/21 17:00
Field	*** DEFAULT PREP ***	07/23/21 09:30	07/23/21 09:16	07/23/21 09:16
Field	*** DEFAULT PREP ***	07/24/21 09:16 07/24/21 09:16	07/23/21 09:16	07/23/21 09:16
Field	*** DEFAULT PREP ***	07/25/21 09:16	07/23/21 09:16	07/23/21 09:16
SM 2540C-2011	NO PREP	07/30/21	07/29/21 15:02	08/03/21 08:26

Client ID: MW-1	Lab ID: AE05628-01RE1	Sampled: 07/23/21 09:16	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	NO PREP	08/20/21	07/25/21 11:26	07/26/21 05:16

Client ID: MW-5	Lab ID: AE05628-02	Sampled: 07/23/21 08:23	Received: 07/23/21 14:38
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EPA 300.0	NO PREP	08/20/21	07/23/21 16:11	07/24/21 04:13
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 16:33
EPA 7470A	EPA 7470A	08/20/21	07/26/21 13:27	07/27/21 11:30
EPA 8260D	EPA 5030B_MS	08/06/21	07/26/21 08:29	07/26/21 17:28
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Field	*** DEFAULT PREP ***	07/24/21 08:23 07/24/21 08:23	07/23/21 08:23	07/23/21 08:23
Field	*** DEFAULT PREP ***	07/25/21 08:23	07/23/21 08:23	07/23/21 08:23
SM 2540C-2011	NO PREP	07/30/21	07/29/21 15:02	08/03/21 08:26

Client ID: MW-5	Lab ID: AE05628-02RE1	Sampled: 07/23/21 08:23	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 350.1	NO PREP	08/20/21	07/26/21 09:58	07/26/21 13:24
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 19:52

Client ID: MW-6	Lab ID: AE05628-03	Sampled: 07/23/21 10:46	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	NO PREP	07/25/21 10:46	07/23/21 16:11	07/24/21 04:28
EPA 300.0	NO PREP	08/20/21	07/23/21 16:11	07/24/21 04:28
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 17:30
EPA 7470A	EPA 7470A	08/20/21	07/26/21 13:27	07/27/21 11:33
EPA 8260D	EPA 5030B_MS	08/06/21	07/26/21 08:29	07/26/21 17:57
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SM 2540C-2011	NO PREP	07/30/21	07/29/21 15:02	08/03/21 08:26

Client ID: MW-6	Lab ID: AE05628-03RE1	Sampled: 07/23/21 10:46	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
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EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 20:50

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6	Lab ID: AE05628-03RE2	Sampled: 07/23/21 10:46	Received: 07/23/21 14:38
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EPA 350.1	NO PREP	08/20/21	07/23/21 11:10	07/26/21 13:12

Client ID: MW-7	Lab ID: AE05628-04	Sampled: 07/23/21 08:50	Received: 07/23/21 14:38
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EPA 300.0	NO PREP	08/20/21	07/23/21 16:11	07/24/21 04:43
EPA 350.1	NO PREP	08/20/21	07/23/21 11:10	07/26/21 12:53
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 17:34
EPA 7470A	EPA 7470A	08/20/21	07/26/21 13:27	07/27/21 11:36
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Field	*** DEFAULT PREP ***	07/25/21 08:50	07/23/21 08:50	07/23/21 08:50
SM 2540C-2011	NO PREP	07/30/21	07/29/21 15:02	08/03/21 08:26

Client ID: MW-7	Lab ID: AE05628-04RE1	Sampled: 07/23/21 08:50	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
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EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 20:54

Client ID: MW-8	Lab ID: AE05628-05	Sampled: 07/23/21 10:11	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	NO PREP	07/25/21 10:11	07/23/21 16:11	07/24/21 04:58
EPA 300.0	NO PREP	08/20/21	07/23/21 16:11	07/24/21 04:58
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 17:43
EPA 7470A	EPA 7470A	08/20/21	07/26/21 13:27	07/27/21 11:39
EPA 8260D	EPA 5030B_MS	08/06/21	07/26/21 08:29	07/26/21 18:55
Field	*** DEFAULT PREP ***	07/23/21 10:25	07/23/21 10:11	07/23/21 10:11
Field	*** DEFAULT PREP ***	07/24/21 10:11 07/24/21 10:11	07/23/21 10:11	07/23/21 10:11
Field	*** DEFAULT PREP ***	07/25/21 10:11	07/23/21 10:11	07/23/21 10:11
SM 2540C-2011	NO PREP	07/30/21	07/29/21 15:02	08/03/21 08:26

Client ID: MW-8	Lab ID: AE05628-05RE1	Sampled: 07/23/21 10:11	Received: 07/23/21 14:38
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<u>Parameter</u>	<u>Preparation</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 350.1	NO PREP	08/20/21	07/23/21 11:10	07/26/21 13:06
EPA 6020B	EPA 3005A	01/19/22	07/30/21 11:24	08/03/21 20:58

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-9		Lab ID: AE05628-06		Sampled: 07/23/21 09:47		Received: 07/23/21 14:38	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NO PREP	07/25/21	09:47	07/23/21	16:11	07/24/21	05:13
EPA 300.0	NO PREP	08/20/21		07/23/21	16:11	07/24/21	05:13
EPA 350.1	NO PREP	08/20/21		07/23/21	11:10	07/26/21	12:56
EPA 6020B	EPA 3005A	01/19/22		07/30/21	11:24	08/03/21	17:47
EPA 7470A	EPA 7470A	08/20/21		07/26/21	13:27	07/27/21	11:42
EPA 8260D	EPA 5030B_MS	08/06/21		07/26/21	08:29	07/26/21	19:23
Field	*** DEFAULT PREP ***	07/23/21	10:01	07/23/21	09:47	07/23/21	09:47
Field	*** DEFAULT PREP ***	07/24/21	09:47	07/24/21	09:47	07/23/21	09:47
Field	*** DEFAULT PREP ***	07/25/21	09:47	07/23/21	09:47	07/23/21	09:47
SM 2540C-2011	NO PREP	07/30/21		07/29/21	15:02	08/03/21	08:26

Client ID: MW-9		Lab ID: AE05628-06RE1		Sampled: 07/23/21 09:47		Received: 07/23/21 14:38	
Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	NO PREP	08/20/21		07/25/21	11:26	07/26/21	05:31

SAMPLE DETECTION SUMMARY

Client ID: MW-1		Lab ID: AE05628-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.70		0.0098	0.020	mg/L	EPA 350.1	
Cadmium - Total	1.83		0.500	1.00	ug/L	EPA 6020B	
Chloride	15		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	30.99				Ft	Field	
Dissolved Oxygen	0.13		0	0	mg/L	Field	
Iron - Total	452		25.0	50.0	ug/L	EPA 6020B	
Mercury - Total	0.127	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.63				pH Units	Field	
Sodium - Total	31.4		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	2184		0	0	umhos/cm	Field	
Temperature	24.2		0	0	°C	Field	
Total Dissolved Solids	1800		10	10	mg/L	SM 2540C-2011	
Turbidity	1		0	0	NTU	Field	
Water Elevation	43.67				Ft	Field	
Client ID: MW-1		Lab ID: AE05628-01RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	800		3.3	250	mg/L	EPA 300.0	
Client ID: MW-5		Lab ID: AE05628-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	38		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	44.26				Ft	Field	
Dissolved Oxygen	0.22		0	0	mg/L	Field	
o-Xylene	0.86	I	0.53	1.0	ug/L	EPA 8260D	
pH	6.53				pH Units	Field	
Specific Conductance (EC)	1635		0	0	umhos/cm	Field	
Temperature	31.4		0	0	°C	Field	
Total Dissolved Solids	900		10	10	mg/L	SM 2540C-2011	
Turbidity	2.5		0	0	NTU	Field	
Water Elevation	43.75				Ft	Field	
Client ID: MW-5		Lab ID: AE05628-02RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	7.6		0.098	0.20	mg/L	EPA 350.1	
Iron - Total	14300		125	250	ug/L	EPA 6020B	
Sodium - Total	45.6		1.60	5.00	mg/L	EPA 6020B	
Client ID: MW-6		Lab ID: AE05628-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	19.2		5.00	10.0	ug/L	EPA 6020B	
Benzene	0.89	I	0.71	1.0	ug/L	EPA 8260D	
Chloride	67		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	34.2				Ft	Field	
Dissolved Oxygen	0.07		0	0	mg/L	Field	
pH	6.37				pH Units	Field	
Sodium - Total	53.8		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	2117		0	0	umhos/cm	Field	
Temperature	25.1		0	0	°C	Field	
Total Dissolved Solids	1500		10	10	mg/L	SM 2540C-2011	
Turbidity	1.1		0	0	NTU	Field	
Water Elevation	43.85				Ft	Field	
Client ID: MW-6		Lab ID: AE05628-03RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	19900		250	500	ug/L	EPA 6020B	
Sulfate	380		1.6	120	mg/L	EPA 300.0	
Client ID: MW-6		Lab ID: AE05628-03RE2					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	4.4		0.049	0.10	mg/L	EPA 350.1	

SAMPLE DETECTION SUMMARY

Client ID: MW-7

Lab ID: AE05628-04

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.2		0.0098	0.020	mg/L	EPA 350.1	
Arsenic - Total	15.1		5.00	10.0	ug/L	EPA 6020B	
Chloride	21		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	44.93				Ft	Field	
Dissolved Oxygen	0.26		0	0	mg/L	Field	
pH	6.27				pH Units	Field	
Sodium - Total	29.9		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1496		0	0	umhos/cm	Field	
Temperature	25.1		0	0	°C	Field	
Total Dissolved Solids	1000		10	10	mg/L	SM 2540C-2011	
Turbidity	1.8		0	0	NTU	Field	
Water Elevation	43.74				Ft	Field	

Client ID: MW-7

Lab ID: AE05628-04RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	47300		250	500	ug/L	EPA 6020B	
Sulfate	250		0.66	50	mg/L	EPA 300.0	

Client ID: MW-8

Lab ID: AE05628-05

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	57		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	27.54				Ft	Field	
Dissolved Oxygen	0.11		0	0	mg/L	Field	
o-Xylene	0.74	I	0.53	1.0	ug/L	EPA 8260D	
pH	6.46				pH Units	Field	
Sodium - Total	53.9		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1398		0	0	umhos/cm	Field	
Temperature	25.4		0	0	°C	Field	
Total Dissolved Solids	740		10	10	mg/L	SM 2540C-2011	
Turbidity	1.3		0	0	NTU	Field	
Water Elevation	43.63				Ft	Field	

Client ID: MW-8

Lab ID: AE05628-05RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	14		0.098	0.20	mg/L	EPA 350.1	
Iron - Total	25000		250	500	ug/L	EPA 6020B	

Client ID: MW-9

Lab ID: AE05628-06

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.19		0.0098	0.020	mg/L	EPA 350.1	
Chloride	17		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	25.19				Ft	Field	
Dissolved Oxygen	0.08		0	0	mg/L	Field	
Iron - Total	76.0		25.0	50.0	ug/L	EPA 6020B	
pH	6.64				pH Units	Field	
Sodium - Total	12.5		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	1029		0	0	umhos/cm	Field	
Temperature	23.1		0	0	°C	Field	
Total Dissolved Solids	620		10	10	mg/L	SM 2540C-2011	
Turbidity	0.6		0	0	NTU	Field	
Water Elevation	43.45				Ft	Field	

Client ID: MW-9

Lab ID: AE05628-06RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	96		0.20	15	mg/L	EPA 300.0	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: AE05628-01

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 09:16

Work Order: AE05628

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	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 17:00	KG	QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 17:00	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 17:00	KG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	99 %	41-142	1G26006	EPA 8260D	07/26/21 17:00	KG	
Dibromofluoromethane	58	1	50.0	116 %	53-146	1G26006	EPA 8260D	07/26/21 17:00	KG	
Toluene-d8	50	1	50.0	100 %	41-146	1G26006	EPA 8260D	07/26/21 17:00	KG	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: AE05628-01

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 09:16

Work Order: AE05628

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]^	0.127	I	ug/L	1	0.0230	0.200	1G26022	EPA 7470A	07/27/21 11:27	NRB	

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	1G30011	EPA 6020B	08/03/21 16:04	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 16:04	JMA	
Cadmium [7440-43-9]^	1.83		ug/L	1	0.500	1.00	1G30011	EPA 6020B	08/03/21 16:04	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 16:04	JMA	
Iron [7439-89-6]^	452		ug/L	1	25.0	50.0	1G30011	EPA 6020B	08/03/21 16:04	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1G30011	EPA 6020B	08/03/21 16:04	JMA	
Sodium [7440-23-5]^	31.4		mg/L	1	0.320	1.00	1G30011	EPA 6020B	08/03/21 16:04	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.70		mg/L	1	0.0098	0.020	1G26021	EPA 350.1	07/26/21 13:20	cbarr	
Chloride [16887-00-6]^	15		mg/L	1	0.29	5.0	1G23058	EPA 300.0	07/24/21 03:58	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1G23058	EPA 300.0	07/24/21 03:58	ASR	
Sulfate [14808-79-8]^	800		mg/L	50	3.3	250	1G25001	EPA 300.0	07/26/21 05:16	ASR	
Total Dissolved Solids^	1800		mg/L	1	10	10	1G29009	SM 2540C-2011	08/03/21 08:26	AAL	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	30.99		Ft	1			1G30038	Field	07/23/21 09:16	CSP	
Dissolved Oxygen	0.13		mg/L	1	0	0	1G30038	Field	07/23/21 09:16	CSP	
pH	6.63		pH Units	1			1G30038	Field	07/23/21 09:16	CSP	
Specific Conductance (EC)	2184		umhos/cm	1	0	0	1G30038	Field	07/23/21 09:16	CSP	
Temperature	24.2		°C	1	0	0	1G30038	Field	07/23/21 09:16	CSP	
Turbidity	1		NTU	1	0	0	1G30038	Field	07/23/21 09:16	CSP	
Water Elevation	43.67		Ft	1			1G30038	Field	07/23/21 09:16	CSP	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: AE05628-02

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 08:23

Work Order: AE05628

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	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 17:28	KG	QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
o-Xylene [95-47-6]^	0.86	I	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 17:28	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 17:28	KG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	99 %	41-142	1G26006	EPA 8260D	07/26/21 17:28	KG	
Dibromofluoromethane	58	1	50.0	116 %	53-146	1G26006	EPA 8260D	07/26/21 17:28	KG	
Toluene-d8	50	1	50.0	100 %	41-146	1G26006	EPA 8260D	07/26/21 17:28	KG	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: AE05628-02

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 08:23

Work Order: AE05628

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	1G26022	EPA 7470A	07/27/21 11:30	NRB	

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]^	340	U	ug/L	5	340	500	1G30011	EPA 6020B	08/03/21 19:52	JMA	R-01
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 16:33	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	1.00	1G30011	EPA 6020B	08/03/21 16:33	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 16:33	JMA	
Iron [7439-89-6]^	14300		ug/L	5	125	250	1G30011	EPA 6020B	08/03/21 19:52	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1G30011	EPA 6020B	08/03/21 16:33	JMA	
Sodium [7440-23-5]^	45.6		mg/L	5	1.60	5.00	1G30011	EPA 6020B	08/03/21 19:52	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]^	7.6		mg/L	10	0.098	0.20	1G26021	EPA 350.1	07/26/21 13:24	cbarr	
Chloride [16887-00-6]^	38		mg/L	1	0.29	5.0	1G23058	EPA 300.0	07/24/21 04:13	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1G23058	EPA 300.0	07/24/21 04:13	ASR	
Sulfate [14808-79-8]^	0.07	U	mg/L	1	0.07	5.0	1G23058	EPA 300.0	07/24/21 04:13	ASR	
Total Dissolved Solids^	900		mg/L	1	10	10	1G29009	SM 2540C-2011	08/03/21 08:26	AAL	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	44.26		Ft	1			1G30038	Field	07/23/21 08:23	CSP	
Dissolved Oxygen	0.22		mg/L	1	0	0	1G30038	Field	07/23/21 08:23	CSP	
pH	6.53		pH Units	1			1G30038	Field	07/23/21 08:23	CSP	
Specific Conductance (EC)	1635		umhos/cm	1	0	0	1G30038	Field	07/23/21 08:23	CSP	
Temperature	31.4		°C	1	0	0	1G30038	Field	07/23/21 08:23	CSP	
Turbidity	2.5		NTU	1	0	0	1G30038	Field	07/23/21 08:23	CSP	
Water Elevation	43.75		Ft	1			1G30038	Field	07/23/21 08:23	CSP	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: AE05628-03

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 10:46

Work Order: AE05628

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	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 17:57	KG	QV-01
Benzene [71-43-2]^	0.89	I	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 17:57	KG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	50	1	50.0	99 %	41-142	1G26006	EPA 8260D	07/26/21 17:57	KG		
Dibromofluoromethane	57	1	50.0	115 %	53-146	1G26006	EPA 8260D	07/26/21 17:57	KG		
Toluene-d8	50	1	50.0	100 %	41-146	1G26006	EPA 8260D	07/26/21 17:57	KG		

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: AE05628-03

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 10:46

Work Order: AE05628

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	1G26022	EPA 7470A	07/27/21 11:33	NRB	

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	1G30011	EPA 6020B	08/03/21 17:30	JMA	
Arsenic [7440-38-2]^	19.2		ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:30	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	1.00	1G30011	EPA 6020B	08/03/21 17:30	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:30	JMA	
Iron [7439-89-6]^	19900		ug/L	10	250	500	1G30011	EPA 6020B	08/03/21 20:50	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1G30011	EPA 6020B	08/03/21 17:30	JMA	
Sodium [7440-23-5]^	53.8		mg/L	1	0.320	1.00	1G30011	EPA 6020B	08/03/21 17:30	JMA	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	4.4		mg/L	5	0.049	0.10	1G23026	EPA 350.1	07/26/21 13:12	cbarr	
Chloride [16887-00-6]^	67		mg/L	1	0.29	5.0	1G23058	EPA 300.0	07/24/21 04:28	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1G23058	EPA 300.0	07/24/21 04:28	ASR	
Sulfate [14808-79-8]^	380		mg/L	25	1.6	120	1G25001	EPA 300.0	07/26/21 05:00	ASR	
Total Dissolved Solids^	1500		mg/L	1	10	10	1G29009	SM 2540C-2011	08/03/21 08:26	AAL	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	34.2		Ft	1			1G30038	Field	07/23/21 10:46	CSP	
Dissolved Oxygen	0.07		mg/L	1	0	0	1G30038	Field	07/23/21 10:46	CSP	
pH	6.37		pH Units	1			1G30038	Field	07/23/21 10:46	CSP	
Specific Conductance (EC)	2117		umhos/cm	1	0	0	1G30038	Field	07/23/21 10:46	CSP	
Temperature	25.1		°C	1	0	0	1G30038	Field	07/23/21 10:46	CSP	
Turbidity	1.1		NTU	1	0	0	1G30038	Field	07/23/21 10:46	CSP	
Water Elevation	43.85		Ft	1			1G30038	Field	07/23/21 10:46	CSP	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AE05628-04

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 08:50

Work Order: AE05628

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	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 18:26	KG	QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 18:26	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 18:26	KG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	98 %	41-142	1G26006	EPA 8260D	07/26/21 18:26	KG	
Dibromofluoromethane	58	1	50.0	116 %	53-146	1G26006	EPA 8260D	07/26/21 18:26	KG	
Toluene-d8	50	1	50.0	100 %	41-146	1G26006	EPA 8260D	07/26/21 18:26	KG	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: AE05628-04

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 08:50

Work Order: AE05628

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	1G26022	EPA 7470A	07/27/21 11:36	NRB	

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	1G30011	EPA 6020B	08/03/21 17:34	JMA	
Arsenic [7440-38-2]^	15.1		ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:34	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	1.00	1G30011	EPA 6020B	08/03/21 17:34	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:34	JMA	
Iron [7439-89-6]^	47300		ug/L	10	250	500	1G30011	EPA 6020B	08/03/21 20:54	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1G30011	EPA 6020B	08/03/21 17:34	JMA	
Sodium [7440-23-5]^	29.9		mg/L	1	0.320	1.00	1G30011	EPA 6020B	08/03/21 17:34	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]^	1.2		mg/L	1	0.0098	0.020	1G23026	EPA 350.1	07/26/21 12:53	cbarr	
Chloride [16887-00-6]^	21		mg/L	1	0.29	5.0	1G23058	EPA 300.0	07/24/21 04:43	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1G23058	EPA 300.0	07/24/21 04:43	ASR	
Sulfate [14808-79-8]^	250		mg/L	10	0.66	50	1G26015	EPA 300.0	07/26/21 10:38	ASR	
Total Dissolved Solids^	1000		mg/L	1	10	10	1G29009	SM 2540C-2011	08/03/21 08:26	AAL	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	44.93		Ft	1			1G30038	Field	07/23/21 08:50	CSP	
Dissolved Oxygen	0.26		mg/L	1	0	0	1G30038	Field	07/23/21 08:50	CSP	
pH	6.27		pH Units	1			1G30038	Field	07/23/21 08:50	CSP	
Specific Conductance (EC)	1496		umhos/cm	1	0	0	1G30038	Field	07/23/21 08:50	CSP	
Temperature	25.1		°C	1	0	0	1G30038	Field	07/23/21 08:50	CSP	
Turbidity	1.8		NTU	1	0	0	1G30038	Field	07/23/21 08:50	CSP	
Water Elevation	43.74		Ft	1			1G30038	Field	07/23/21 08:50	CSP	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: AE05628-05

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 10:11

Work Order: AE05628

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	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 18:55	KG	QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
o-Xylene [95-47-6]^	0.74	I	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 18:55	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 18:55	KG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	47	1	50.0	95 %	41-142	1G26006	EPA 8260D	07/26/21 18:55	KG	
Dibromofluoromethane	55	1	50.0	109 %	53-146	1G26006	EPA 8260D	07/26/21 18:55	KG	
Toluene-d8	48	1	50.0	97 %	41-146	1G26006	EPA 8260D	07/26/21 18:55	KG	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: AE05628-05

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 10:11

Work Order: AE05628

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	1G26022	EPA 7470A	07/27/21 11:39	NRB	

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	1G30011	EPA 6020B	08/03/21 17:43	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:43	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	1.00	1G30011	EPA 6020B	08/03/21 17:43	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:43	JMA	
Iron [7439-89-6]^	25000		ug/L	10	250	500	1G30011	EPA 6020B	08/03/21 20:58	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1G30011	EPA 6020B	08/03/21 17:43	JMA	
Sodium [7440-23-5]^	53.9		mg/L	1	0.320	1.00	1G30011	EPA 6020B	08/03/21 17:43	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]^	14		mg/L	10	0.098	0.20	1G23026	EPA 350.1	07/26/21 13:06	cbarr	
Chloride [16887-00-6]^	57		mg/L	1	0.29	5.0	1G23058	EPA 300.0	07/24/21 04:58	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1G23058	EPA 300.0	07/24/21 04:58	ASR	
Sulfate [14808-79-8]^	0.07	U	mg/L	1	0.07	5.0	1G23058	EPA 300.0	07/24/21 04:58	ASR	
Total Dissolved Solids^	740		mg/L	1	10	10	1G29009	SM 2540C-2011	08/03/21 08:26	AAL	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	27.54		Ft	1			1G30038	Field	07/23/21 10:11	CSP	
Dissolved Oxygen	0.11		mg/L	1	0	0	1G30038	Field	07/23/21 10:11	CSP	
pH	6.46		pH Units	1			1G30038	Field	07/23/21 10:11	CSP	
Specific Conductance (EC)	1398		umhos/cm	1	0	0	1G30038	Field	07/23/21 10:11	CSP	
Temperature	25.4		°C	1	0	0	1G30038	Field	07/23/21 10:11	CSP	
Turbidity	1.3		NTU	1	0	0	1G30038	Field	07/23/21 10:11	CSP	
Water Elevation	43.63		Ft	1			1G30038	Field	07/23/21 10:11	CSP	

ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: AE05628-06

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 09:47

Work Order: AE05628

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	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
2-Chloroethyl Vinyl Ether [110-75-8]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 19:23	KG	QV-01
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	QV-01
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	1G26006	EPA 8260D	07/26/21 19:23	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	1G26006	EPA 8260D	07/26/21 19:23	KG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	48	1	50.0	96 %	41-142	1G26006	EPA 8260D	07/26/21 19:23	KG	
Dibromofluoromethane	56	1	50.0	112 %	53-146	1G26006	EPA 8260D	07/26/21 19:23	KG	
Toluene-d8	49	1	50.0	98 %	41-146	1G26006	EPA 8260D	07/26/21 19:23	KG	

ANALYTICAL RESULTS

Description: MW-9

Lab Sample ID: AE05628-06

Received: 07/23/21 14:38

Matrix: Ground Water

Sampled: 07/23/21 09:47

Work Order: AE05628

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	1G26022	EPA 7470A	07/27/21 11:42	NRB	

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	1G30011	EPA 6020B	08/03/21 17:47	JMA	
Arsenic [7440-38-2]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:47	JMA	
Cadmium [7440-43-9]^	0.500	U	ug/L	1	0.500	1.00	1G30011	EPA 6020B	08/03/21 17:47	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	1G30011	EPA 6020B	08/03/21 17:47	JMA	
Iron [7439-89-6]^	76.0		ug/L	1	25.0	50.0	1G30011	EPA 6020B	08/03/21 17:47	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	1G30011	EPA 6020B	08/03/21 17:47	JMA	
Sodium [7440-23-5]^	12.5		mg/L	1	0.320	1.00	1G30011	EPA 6020B	08/03/21 17:47	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]^	0.19		mg/L	1	0.0098	0.020	1G23026	EPA 350.1	07/26/21 12:56	cbarr	
Chloride [16887-00-6]^	17		mg/L	1	0.29	5.0	1G23058	EPA 300.0	07/24/21 05:13	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	1G23058	EPA 300.0	07/24/21 05:13	ASR	
Sulfate [14808-79-8]^	96		mg/L	3	0.20	15	1G25001	EPA 300.0	07/26/21 05:31	ASR	
Total Dissolved Solids^	620		mg/L	1	10	10	1G29009	SM 2540C-2011	08/03/21 08:26	AAL	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	25.19		Ft	1			1G30038	Field	07/23/21 09:47	CSP	
Dissolved Oxygen	0.08		mg/L	1	0	0	1G30038	Field	07/23/21 09:47	CSP	
pH	6.64		pH Units	1			1G30038	Field	07/23/21 09:47	CSP	
Specific Conductance (EC)	1029		umhos/cm	1	0	0	1G30038	Field	07/23/21 09:47	CSP	
Temperature	23.1		°C	1	0	0	1G30038	Field	07/23/21 09:47	CSP	
Turbidity	0.6		NTU	1	0	0	1G30038	Field	07/23/21 09:47	CSP	
Water Elevation	43.45		Ft	1			1G30038	Field	07/23/21 09:47	CSP	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 1G26006 - EPA 5030B_MS

Blank (1G26006-BLK1)

Prepared: 07/26/2021 08:29 Analyzed: 07/26/2021 10:46

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							
4-Bromofluorobenzene	47			ug/L	50.0		95	41-142			
Dibromofluoromethane	55			ug/L	50.0		110	53-146			
Toluene-d8	48			ug/L	50.0		96	41-146			

LCS (1G26006-BS1)

Prepared: 07/26/2021 08:29 Analyzed: 07/26/2021 08:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		125	47-139			
Benzene	21		1.0	ug/L	20.0		105	56-136			
Chlorobenzene	20		1.0	ug/L	20.0		102	51-139			
Toluene	20		1.0	ug/L	20.0		98	64-131			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 1G26006 - EPA 5030B_MS - Continued

LCS (1G26006-BS1) Continued

Prepared: 07/26/2021 08:29 Analyzed: 07/26/2021 08:50

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	23		1.0	ug/L	20.0		113	62-135			
4-Bromofluorobenzene	49			ug/L	50.0		98	41-142			
Dibromofluoromethane	54			ug/L	50.0		108	53-146			
Toluene-d8	49			ug/L	50.0		99	41-146			

Matrix Spike (1G26006-MS1)

Prepared: 07/26/2021 08:29 Analyzed: 07/26/2021 09:20

Source: AE06143-04

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.94 U	131	47-139			
Benzene	21		1.0	ug/L	20.0	0.71 U	105	56-136			
Chlorobenzene	21		1.0	ug/L	20.0	0.72 U	104	51-139			
Toluene	20		1.0	ug/L	20.0	0.72 U	99	64-131			
Trichloroethene	23		1.0	ug/L	20.0	0.89 U	115	62-135			
4-Bromofluorobenzene	49			ug/L	50.0		97	41-142			
Dibromofluoromethane	54			ug/L	50.0		109	53-146			
Toluene-d8	49			ug/L	50.0		98	41-146			

Matrix Spike Dup (1G26006-MSD1)

Prepared: 07/26/2021 08:29 Analyzed: 07/26/2021 09:49

Source: AE06143-04

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.94 U	131	47-139	0.2	16	
Benzene	21		1.0	ug/L	20.0	0.71 U	105	56-136	0.05	14	
Chlorobenzene	21		1.0	ug/L	20.0	0.72 U	103	51-139	1	13	
Toluene	20		1.0	ug/L	20.0	0.72 U	99	64-131	0.1	16	
Trichloroethene	23		1.0	ug/L	20.0	0.89 U	115	62-135	0.1	20	
4-Bromofluorobenzene	49			ug/L	50.0		98	41-142			
Dibromofluoromethane	55			ug/L	50.0		109	53-146			
Toluene-d8	50			ug/L	50.0		99	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1G26022 - EPA 7470A

Blank (1G26022-BLK1)

Prepared: 07/26/2021 13:27 Analyzed: 07/27/2021 09:27

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 (1G26022-BLK2)

Prepared: 07/26/2021 13:27 Analyzed: 07/27/2021 09:30

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

LCS (1G26022-BS1)

Prepared: 07/26/2021 13:27 Analyzed: 07/27/2021 09:33

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.13		0.200	ug/L	5.00		103	80-120			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1G26022 - EPA 7470A - Continued

Matrix Spike (1G26022-MS1)

Prepared: 07/26/2021 13:27 Analyzed: 07/27/2021 09:39

Source: AE05870-11

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	50.7		2.00	ug/L	50.0	0.230 U	101	75-125			

Matrix Spike Dup (1G26022-MSD1)

Prepared: 07/26/2021 13:27 Analyzed: 07/27/2021 09:43

Source: AE05870-11

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	51.2		2.00	ug/L	50.0	0.230 U	102	75-125	0.8	20	

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

Batch 1G30011 - EPA 3005A

Blank (1G30011-BLK1)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 15:52

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	68.0	U	100	ug/L							
Arsenic	5.00	U	10.0	ug/L							
Cadmium	0.500	U	1.00	ug/L							
Chromium	5.00	U	10.0	ug/L							
Iron	25.0	U	50.0	ug/L							
Lead	2.50	U	5.00	ug/L							
Sodium	0.500	U	1.00	mg/L							

Blank (1G30011-BLK2)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 15:56

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	6.80	U	10.0	ug/L							
Arsenic	0.500	U	1.00	ug/L							
Cadmium	0.0500	U	0.100	ug/L							
Chromium	0.500	U	1.00	ug/L							
Iron	2.50	U	5.00	ug/L							
Lead	0.250	U	0.500	ug/L							
Sodium	0.0500	U	0.100	mg/L							

LCS (1G30011-BS1)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 16:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1020		100	ug/L	1000		102	80-120			
Arsenic	497		10.0	ug/L	500		99	80-120			
Cadmium	48.5		1.00	ug/L	50.0		97	80-120			
Chromium	511		10.0	ug/L	500		102	80-120			
Iron	1020		50.0	ug/L	1000		102	80-120			
Lead	495		5.00	ug/L	500		99	80-120			
Sodium	24.7		1.00	mg/L	25.0		99	80-120			

Matrix Spike (1G30011-MS1)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 16:12

Source: AE05628-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1010		100	ug/L	1000	68.0 U	101	75-125			

QUALITY CONTROL DATA

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

Batch 1G30011 - EPA 3005A - Continued

Matrix Spike (1G30011-MS1) Continued

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 16:12

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	519		10.0	ug/L	500	5.00 U	104	75-125			
Cadmium	50.7		1.00	ug/L	50.0	1.83	98	75-125			
Chromium	518		10.0	ug/L	500	5.00 U	104	75-125			
Iron	1470		50.0	ug/L	1000	452	102	75-125			
Lead	489		5.00	ug/L	500	2.50 U	98	75-125			
Sodium	56.9		1.00	mg/L	25.0	31.4	102	75-125			

Matrix Spike Dup (1G30011-MSD1)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 16:16

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1010		100	ug/L	1000	68.0 U	101	75-125	0.5	20	QI-03
Arsenic	521		10.0	ug/L	500	5.00 U	104	75-125	0.4	20	
Cadmium	49.7		1.00	ug/L	50.0	1.83	96	75-125	2	20	
Chromium	516		10.0	ug/L	500	5.00 U	103	75-125	0.5	20	
Iron	1460		50.0	ug/L	1000	452	101	75-125	1	20	QI-03
Lead	474		5.00	ug/L	500	2.50 U	95	75-125	3	20	
Sodium	56.7		1.00	mg/L	25.0	31.4	101	75-125	0.4	20	QI-03

Matrix Spike Dup (1G30011-MSD2)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 19:40

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	982		500	ug/L	200	340 U	491	75-125	3	20	QM-07
Arsenic	524		50.0	ug/L	100	25.0 U	524	75-125	0.9	20	QM-07
Cadmium	53.0		5.00	ug/L	10.0	2.50 U	530	75-125	4	20	QM-07
Chromium	513		50.0	ug/L	100	25.0 U	513	75-125	1	20	QM-07
Iron	1520		250	ug/L	200	452	533	75-125	3	20	QM-07
Lead	510		25.0	ug/L	100	12.5 U	510	75-125	4	20	QM-07
Sodium	56.4		5.00	mg/L	5.00	31.4	500	75-125	1	20	QM-07

Post Spike (1G30011-PS1)

Prepared: 08/03/2021 08:10 Analyzed: 08/03/2021 16:25

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	94.3		10.0	ug/L	98.0	0.00937	96	75-125			QI-03
Arsenic	50.7		1.00	ug/L	49.0	-0.0163	103	75-125			
Cadmium	4.86		0.100	ug/L	4.90	0.180	96	75-125			
Chromium	49.1		1.00	ug/L	49.0	-0.0254	100	75-125			
Iron	142		5.00	ug/L	98.0	44.4	99	75-125			QI-03
Lead	46.3		0.500	ug/L	49.0	-0.0119	94	75-125			
Sodium	5460		100	ug/L	2450	3080	97	75-125			QI-03

Post Spike (1G30011-PS2)

Prepared: 08/03/2021 08:10 Analyzed: 08/03/2021 19:48

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	95.1		10.0	ug/L	98.0	0.00937	97	75-125			
Arsenic	50.0		1.00	ug/L	49.0	-0.0163	102	75-125			
Cadmium	5.04		0.100	ug/L	4.90	0.180	99	75-125			
Chromium	48.8		1.00	ug/L	49.0	-0.0254	99	75-125			
Iron	147		5.00	ug/L	98.0	44.4	104	75-125			

QUALITY CONTROL DATA

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

Batch 1G30011 - EPA 3005A - Continued

Post Spike (1G30011-PS2) Continued

Prepared: 08/03/2021 08:10 Analyzed: 08/03/2021 19:48

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	48.7		0.500	ug/L	49.0	-0.0119	99	75-125			
Sodium	5510		100	ug/L	2450	3080	99	75-125			

Batch AA67626 - 1G30011

Serial Dilution (AA67626-SRD2)

Prepared: 07/30/2021 11:24 Analyzed: 08/03/2021 16:20

Source: AE05628-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	-45.1	U	10.0	ug/L		0.0956					
Arsenic	-3.70	U	1.00	ug/L		-0.166					
Cadmium	1.50		0.100	ug/L		1.83			20		
Chromium	-3.57	U	1.00	ug/L		-0.259					
Iron	484		250	ug/L		452			7		
Lead	12.5	U	25.0	ug/L		12.5 U					
Sodium	31.2		5.00	mg/L		31.4			0.6		

Classical Chemistry Parameters - Quality Control

Batch 1G23026 - NO PREP

Blank (1G23026-BLK1)

Prepared: 07/23/2021 11:10 Analyzed: 07/26/2021 12:42

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 (1G23026-BS1)

Prepared: 07/23/2021 11:10 Analyzed: 07/26/2021 12:49

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		101	90-110			

Matrix Spike (1G23026-MS1)

Prepared: 07/23/2021 11:10 Analyzed: 07/26/2021 12:58

Source: AE06129-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.020	mg/L	1.00	0.0098 U	114	90-110			QM-07

Matrix Spike (1G23026-MS2)

Prepared: 07/23/2021 11:10 Analyzed: 07/26/2021 13:02

Source: AE06129-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.2		0.020	mg/L	1.00	0.0098 U	123	90-110			QM-07

Matrix Spike Dup (1G23026-MSD1)

Prepared: 07/23/2021 11:10 Analyzed: 07/26/2021 12:59

Source: AE06129-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.2		0.020	mg/L	1.00	0.0098 U	115	90-110	0.9	10	QM-07

Batch 1G23058 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 1G23058 - NO PREP - Continued

Blank (1G23058-BLK1)

Prepared: 07/23/2021 16:11 Analyzed: 07/24/2021 00:12

Analyte	Result	Flaq	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 (1G23058-BS1)

Prepared: 07/23/2021 16:11 Analyzed: 07/24/2021 00:27

Analyte	Result	Flaq	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	26		1.0	mg/L	25.0		102	90-110			
Sulfate	47		5.0	mg/L	50.0		93	90-110			

Matrix Spike (1G23058-MS1)

Prepared: 07/23/2021 16:11 Analyzed: 07/24/2021 01:12

Source: AE06161-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	2.2	107	90-110			
Nitrate as N	27		1.0	mg/L	25.0	0.40	106	90-110			
Sulfate	54		5.0	mg/L	50.0	3.8	100	90-110			

Matrix Spike (1G23058-MS2)

Prepared: 07/23/2021 16:11 Analyzed: 07/24/2021 02:12

Source: AE06161-04

Analyte	Result	Flaq	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	25		1.0	mg/L	25.0	0.052 U	99	90-110			
Sulfate	51		5.0	mg/L	50.0	2.7	97	90-110			

Matrix Spike Dup (1G23058-MSD1)

Prepared: 07/23/2021 16:11 Analyzed: 07/24/2021 01:27

Source: AE06161-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	2.2	105	90-110	2	10	
Nitrate as N	26		1.0	mg/L	25.0	0.40	104	90-110	1	10	
Sulfate	53		5.0	mg/L	50.0	3.8	98	90-110	2	10	

Matrix Spike Dup (1G23058-MSD2)

Prepared: 07/23/2021 16:11 Analyzed: 07/24/2021 02:27

Source: AE06161-04

Analyte	Result	Flaq	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	0.3	10	
Nitrate as N	25		1.0	mg/L	25.0	0.052 U	100	90-110	0.6	10	
Sulfate	52		5.0	mg/L	50.0	2.7	98	90-110	0.5	10	

Batch 1G25001 - NO PREP

Blank (1G25001-BLK1)

Prepared: 07/25/2021 11:26 Analyzed: 07/25/2021 22:23

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

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 1G25001 - NO PREP - Continued

LCS (1G25001-BS1)

Prepared: 07/25/2021 11:26 Analyzed: 07/25/2021 22:38

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	46		5.0	mg/L	50.0		92	90-110			

Matrix Spike (1G25001-MS1)

Prepared: 07/25/2021 11:26 Analyzed: 07/25/2021 23:24

Source: AE06123-01RE1

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	92		5.0	mg/L	50.0	37	110	90-110			

Matrix Spike Dup (1G25001-MSD1)

Prepared: 07/25/2021 11:26 Analyzed: 07/25/2021 23:39

Source: AE06123-01RE1

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	93		5.0	mg/L	50.0	37	111	90-110	0.6	10	QM-07

Batch 1G26015 - NO PREP

Blank (1G26015-BLK1)

Prepared: 07/26/2021 09:18 Analyzed: 07/26/2021 09:41

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

LCS (1G26015-BS1)

Prepared: 07/26/2021 09:18 Analyzed: 07/26/2021 09:56

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	46		5.0	mg/L	50.0		92	90-110			

Matrix Spike (1G26015-MS1)

Prepared: 07/26/2021 09:18 Analyzed: 07/26/2021 11:08

Source: AE06160-07

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	69		5.0	mg/L	50.0	16	106	90-110			

Matrix Spike (1G26015-MS2)

Prepared: 07/26/2021 09:18 Analyzed: 07/26/2021 11:53

Source: AE06160-08

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	69		5.0	mg/L	50.0	16	105	90-110			

Matrix Spike Dup (1G26015-MSD1)

Prepared: 07/26/2021 09:18 Analyzed: 07/26/2021 11:23

Source: AE06160-07

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	70		5.0	mg/L	50.0	16	108	90-110	1	10	

Matrix Spike Dup (1G26015-MSD2)

Prepared: 07/26/2021 09:18 Analyzed: 07/26/2021 12:08

Source: AE06160-08

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	64		5.0	mg/L	50.0	16	95	90-110	7	10	

Batch 1G26021 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 1G26021 - NO PREP - Continued

Blank (1G26021-BLK1)

Prepared: 07/26/2021 09:58 Analyzed: 07/26/2021 13:13

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

LCS (1G26021-BS1)

Prepared: 07/26/2021 09:58 Analyzed: 07/26/2021 13:17

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		101	90-110			

Matrix Spike (1G26021-MS1)

Prepared: 07/26/2021 09:58 Analyzed: 07/26/2021 13:22

Source: AE05628-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.6		0.020	mg/L	1.00	0.70	95	90-110			

Matrix Spike Dup (1G26021-MSD1)

Prepared: 07/26/2021 09:58 Analyzed: 07/26/2021 13:23

Source: AE05628-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.7		0.020	mg/L	1.00	0.70	100	90-110	3	10	

Batch 1G29009 - NO PREP

Blank (1G29009-BLK1)

Prepared: 07/29/2021 15:02 Analyzed: 08/03/2021 08:26

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 (1G29009-BS1)

Prepared: 07/29/2021 15:02 Analyzed: 08/03/2021 08:26

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	94		10	mg/L	100		94	90-110			

Duplicate (1G29009-DUP1)

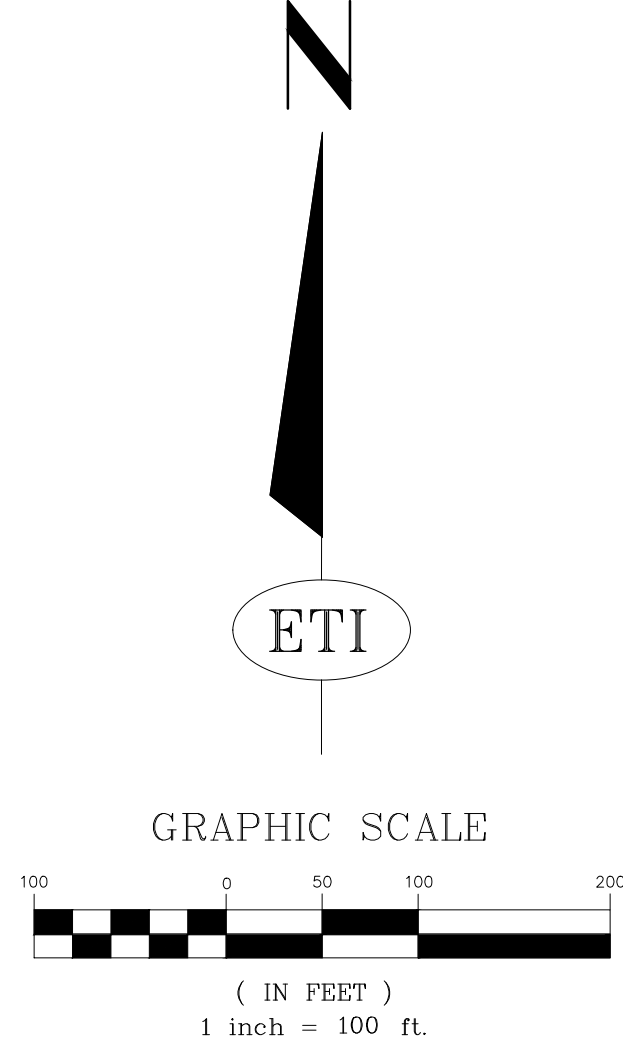
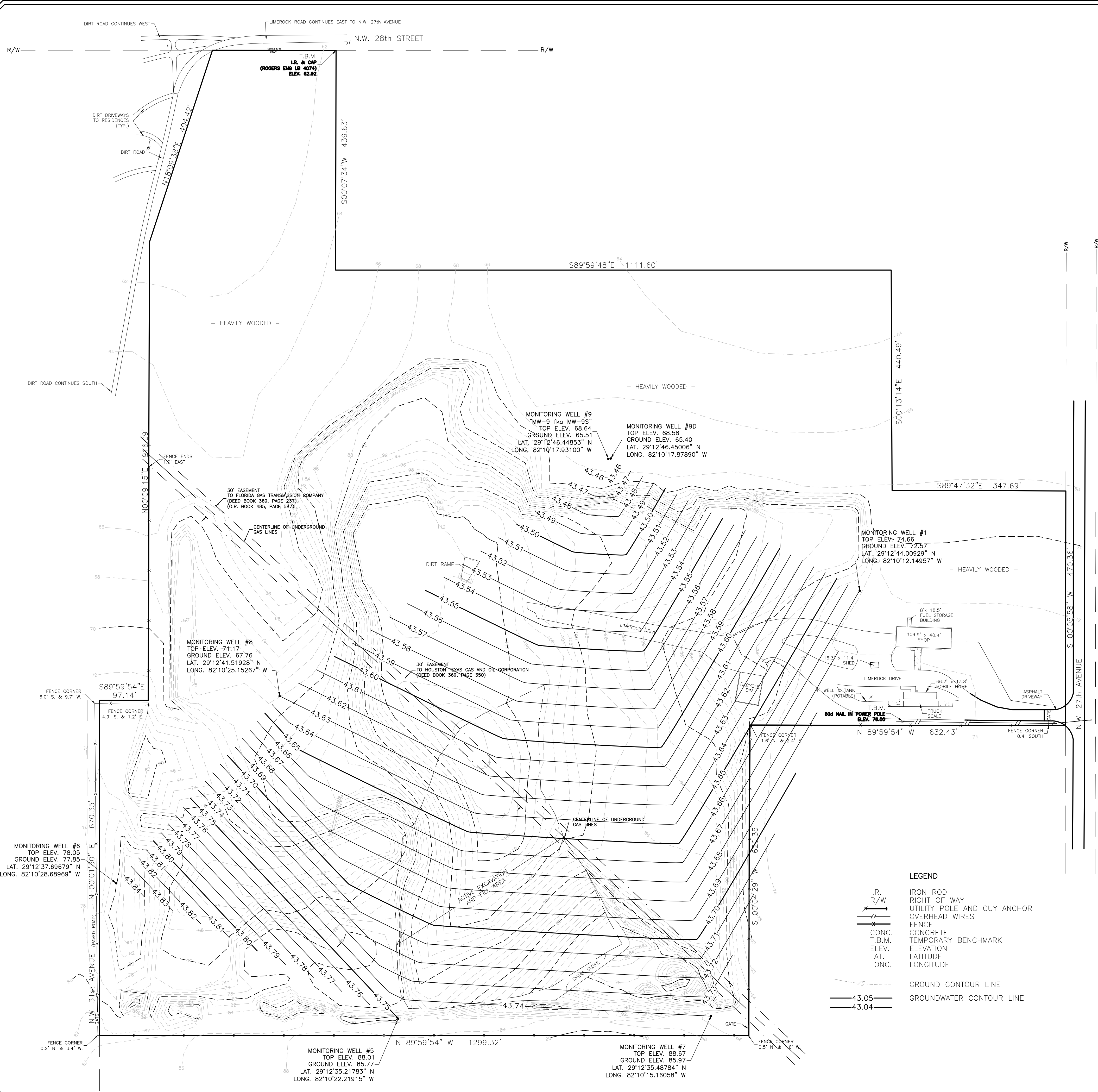
Prepared: 07/29/2021 15:02 Analyzed: 08/03/2021 08:26

Source: AE05628-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	1900		10	mg/L		1800			2	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.
QI-03	The internal standard(s) for this sample were outside the acceptance limits due to sample matrix interference. The sample was reanalyzed at a dilution.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.



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

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

- LEGEND
- I.R. IRON ROD
 - R/W RIGHT OF WAY
 - UTILITY POLE AND GUY ANCHOR
 - OVERHEAD WIRES
 - FENCE
 - CONC. CONCRETE
 - T.B.M. TEMPORARY BENCHMARK
 - ELEV. ELEVATION
 - LAT. LATITUDE
 - LONG. LONGITUDE
 - GROUND CONTOUR LINE
 - 43.05 GROUNDWATER CONTOUR LINE
 - 43.04

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

ENVIRO-TECH ^{INC.}		ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS		FRIENDS RECYCLING, LLC.		GROUNDWATER CONTOURS		REVISIONS	
15290 SE HWY 42, PO BOX 152 WEIRSDALE, FLORIDA 32195		PHONE: (352) 694-1799 EMAIL: ENVIROTECH@YMAIL.COM		MARION COUNTY, FLORIDA				PLOTTED: RMC-3 N/A	
								DRAWN: RMC-3 N/A	
								DESIGNED: RMC-3 N/A	
								CHECKED: RMC-3 N/A	
								SCALE: 1" = 100'	
SITE PLAN									
P.N. 2009—									
Sht. 1 of 1									