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Friday, January 31, 2014

Friends Recycling (FR008)

Attn: Nick Giumarelli

2350 NW 27th Avenue

Ocala, FL 34475

RE: Laboratory Results for

Project Number: 21012, Project Name/Desc: FRIENDS RECYCLING FORMERLY OCALA RECYCLING

ENCO Workorder(s): A400098

Dear Nick Giumarelli,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, January 16, 2014.

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

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

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

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

Sincerely,

Marcia Colon

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1	Lab ID: A400098-01	Sampled: 01/16/14 10:10	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 10:10	01/16/14 16:06	01/17/14 12:32
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 12:32
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:10
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:36
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 07:18
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 14:51
Field	01/16/14 10:24	01/16/14 10:10	01/16/14 10:10
Field	01/17/14 10:10 01/17/14 10:10	01/16/14 10:10	01/16/14 10:10
Field	01/18/14 10:10	01/16/14 10:10	01/16/14 10:10
SM 2540C-1997	01/23/14	01/19/14 05:03	01/20/14 10:15

Client ID: MW-1	Lab ID: A400098-01RE2	Sampled: 01/16/14 10:10	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	02/13/14	01/23/14 08:30	01/23/14 13:37

Client ID: MW-9S	Lab ID: A400098-02	Sampled: 01/16/14 10:34	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 10:34	01/16/14 16:06	01/17/14 12:50
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 12:50
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:04
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:37
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:00
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 15:21
Field	01/16/14 10:48	01/16/14 10:34	01/16/14 10:34
Field	01/17/14 10:34 01/17/14 10:34	01/16/14 10:34	01/16/14 10:34
Field	01/18/14 10:34	01/16/14 10:34	01/16/14 10:34
SM 2540C-1997	01/23/14	01/19/14 05:03	01/20/14 10:15

Client ID: MW-8	Lab ID: A400098-03	Sampled: 01/16/14 11:08	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 11:08	01/16/14 16:06	01/17/14 13:09
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 13:09
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:06
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:39
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:03
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 15:51
Field	01/16/14 11:22	01/16/14 11:08	01/16/14 11:08
Field	01/17/14 11:08 01/17/14 11:08	01/16/14 11:08	01/16/14 11:08
Field	01/18/14 11:08	01/16/14 11:08	01/16/14 11:08
SM 2540C-1997	01/23/14	01/19/14 05:03	01/20/14 10:15

Client ID: MW-6	Lab ID: A400098-04	Sampled: 01/16/14 11:40	Received: 01/16/14 15:08
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
EPA 300.0	01/18/14 11:40	01/16/14 16:06	01/17/14 13:27
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 13:27
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:07
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:41
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:07
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 16:21
Field	01/16/14 11:54	01/16/14 11:40	01/16/14 11:40
Field	01/17/14 11:40 01/17/14 11:40	01/16/14 11:40	01/16/14 11:40
Field	01/18/14 11:40	01/16/14 11:40	01/16/14 11:40
SM 2540C-1997	01/23/14	01/20/14 04:44	01/21/14 23:20

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-5 Lab ID: A400098-05 Sampled: 01/16/14 12:13 Received: 01/16/14 15:08

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	01/18/14 12:13	01/16/14 16:06	01/17/14 13:46
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 13:46
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:14
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:43
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:10
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 16:51
Field	01/16/14 12:27	01/16/14 12:13	01/16/14 12:13
Field	01/17/14 12:13 01/17/14 12:13	01/16/14 12:13	01/16/14 12:13
Field	01/18/14 12:13	01/16/14 12:13	01/16/14 12:13
SM 2540C-1997	01/23/14	01/20/14 04:44	01/21/14 23:20

Client ID: MW-7 Lab ID: A400098-06 Sampled: 01/16/14 12:48 Received: 01/16/14 15:08

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	01/18/14 12:48	01/16/14 16:06	01/17/14 14:41
EPA 300.0	02/13/14	01/16/14 16:06	01/17/14 14:41
EPA 350.1	02/13/14	01/20/14 14:01	01/20/14 15:24
EPA 6010C	07/15/14	01/28/14 11:37	01/29/14 13:45
EPA 7470A	02/13/14	01/17/14 14:03	01/20/14 08:13
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 17:21
Field	01/16/14 13:02	01/16/14 12:48	01/16/14 12:48
Field	01/17/14 12:48 01/17/14 12:48	01/16/14 12:48	01/16/14 12:48
Field	01/18/14 12:48	01/16/14 12:48	01/16/14 12:48
SM 2540C-1997	01/23/14	01/20/14 04:44	01/21/14 23:20

Client ID: TRIP BLANK Lab ID: A400098-07 Sampled: 01/16/14 00:00 Received: 01/16/14 15:08

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/30/14	01/20/14 11:08	01/20/14 17:52

SAMPLE DETECTION SUMMARY

Client ID: MW-1		Lab ID: A400098-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	4.4		0.036	0.10	mg/L	EPA 350.1	QM-07
Arsenic - Total	7.33	I	6.10	10.0	ug/L	EPA 6010C	
Cadmium - Total	1.02		0.440	1.00	ug/L	EPA 6010C	
Chloride	19		0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	1.10	I	0.427	10.0	ug/L	EPA 6010C	
Dissolved Oxygen	0.14		0.00	0.00	mg/L	Field	
Iron - Total	9570		10.0	50.0	ug/L	EPA 6010C	
Mercury - Total	0.111	I	0.0230	0.200	ug/L	EPA 7470A	
pH	6.61				pH Units	Field	
Sodium - Total	64.2		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	2845		0	0	umhos/cm	Field	
Temperature	24.98		0.00	0.00	°C	Field	
Total Dissolved Solids	2200		10	10	mg/L	SM 2540C-1997	
Turbidity	0.900		0.00	0.00	NTU	Field	
Water Elevation	42.31				Ft	Field	
Client ID: MW-1		Lab ID: A400098-01RE2					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	1100		1.3	100	mg/L	EPA 300.0	
Client ID: MW-9S		Lab ID: A400098-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	22		0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	1.35	I	0.427	10.0	ug/L	EPA 6010C	
Dissolved Oxygen	0.80		0.00	0.00	mg/L	Field	
Iron - Total	10.8	I	10.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.44	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.77				pH Units	Field	
Sodium - Total	13.2		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	1117		0	0	umhos/cm	Field	
Sulfate	99		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.30		0.00	0.00	°C	Field	
Total Dissolved Solids	610		10	10	mg/L	SM 2540C-1997	
Turbidity	1.70		0.00	0.00	NTU	Field	
Water Elevation	42.04				Ft	Field	
Client ID: MW-8		Lab ID: A400098-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.7		0.0073	0.020	mg/L	EPA 350.1	
Arsenic - Total	6.93	I	6.10	10.0	ug/L	EPA 6010C	
Chloride	28		0.29	5.0	mg/L	EPA 300.0	
cis-1,2-Dichloroethene	0.68	I	0.53	1.0	ug/L	EPA 8260B	
Dissolved Oxygen	0.23		0.00	0.00	mg/L	Field	
Iron - Total	12700		10.0	50.0	ug/L	EPA 6010C	
pH	6.53				pH Units	Field	
Sodium - Total	23.7		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	1276		0	0	umhos/cm	Field	
Sulfate	3.7	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.31		0.00	0.00	°C	Field	
Total Dissolved Solids	640		10	10	mg/L	SM 2540C-1997	
Turbidity	1.10		0.00	0.00	NTU	Field	
Water Elevation	42.23				Ft	Field	

SAMPLE DETECTION SUMMARY

Client ID: MW-6		Lab ID: A400098-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	1.3	I	0.29	5.0	mg/L	EPA 300.0	
Chromium - Total	2.10	I	0.427	10.0	ug/L	EPA 6010C	
Dissolved Oxygen	1.36		0.00	0.00	mg/L	Field	
Iron - Total	13.9	I	10.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.46	I	0.052	1.0	mg/L	EPA 300.0	
pH	6.80				pH Units	Field	
Sodium - Total	3.15		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	880		0	0	umhos/cm	Field	
Sulfate	9.8		0.07	5.0	mg/L	EPA 300.0	
Temperature	23.12		0.00	0.00	°C	Field	
Total Dissolved Solids	430		10	10	mg/L	SM 2540C-1997	
Turbidity	2.70		0.00	0.00	NTU	Field	
Water Elevation	42.42				Ft	Field	
Client ID: MW-5		Lab ID: A400098-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.2		0.0073	0.020	mg/L	EPA 350.1	
Benzene	1.6		0.71	1.0	ug/L	EPA 8260B	
Chloride	12		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.09		0.00	0.00	mg/L	Field	
Iron - Total	34700		10.0	50.0	ug/L	EPA 6010C	
o-Xylene	0.79	I	0.53	1.0	ug/L	EPA 8260B	
pH	6.43				pH Units	Field	
Sodium - Total	10.5		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	1455		0	0	umhos/cm	Field	
Sulfate	0.15	I	0.07	5.0	mg/L	EPA 300.0	
Temperature	24.56		0.00	0.00	°C	Field	
Toluene	1.6		0.72	1.0	ug/L	EPA 8260B	
Total Dissolved Solids	710		10	10	mg/L	SM 2540C-1997	
Turbidity	0.400		0.00	0.00	NTU	Field	
Water Elevation	42.21				Ft	Field	
Xylenes (Total)	1.6	I	1.3	2.0	ug/L	EPA 8260B	
Client ID: MW-7		Lab ID: A400098-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Cadmium - Total	0.839	I	0.440	1.00	ug/L	EPA 6010C	
Chloride	7.7		0.29	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.14		0.00	0.00	mg/L	Field	
Iron - Total	29.6	I	10.0	50.0	ug/L	EPA 6010C	
Mercury - Total	0.127	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	4.6		0.052	1.0	mg/L	EPA 300.0	
pH	6.63				pH Units	Field	
Sodium - Total	10.7		0.0740	0.500	mg/L	EPA 6010C	
Specific Conductance (EC)	982		0	0	umhos/cm	Field	
Sulfate	40		0.07	5.0	mg/L	EPA 300.0	
Temperature	24.00		0.00	0.00	°C	Field	
Total Dissolved Solids	500		10	10	mg/L	SM 2540C-1997	
Turbidity	0.200		0.00	0.00	NTU	Field	
Water Elevation	42.26				Ft	Field	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A400098-01

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:10

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 14:51	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 14:51	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	41-142	4A20018	EPA 8260B	01/20/14 14:51	np	
Dibromofluoromethane	45	1	50.0	90 %	53-146	4A20018	EPA 8260B	01/20/14 14:51	np	
Toluene-d8	45	1	50.0	90 %	41-146	4A20018	EPA 8260B	01/20/14 14:51	np	

ANALYTICAL RESULTS

Description: MW-1

Lab Sample ID: A400098-01

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:10

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.111	I	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 07:18	JAY	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	4.4		mg/L	5	0.036	0.10	4A20036	EPA 350.1	01/20/14 15:10	KGonz	QM-07
Chloride [16887-00-6]^	19		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 12:32	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 12:32	RSA	
Sulfate [14808-79-8]^	1100		mg/L	20	1.3	100	4A23001	EPA 300.0	01/23/14 13:37	RSA	
Total Dissolved Solids [ECL-0156]^	2200		mg/L	1	10	10	4A19001	SM 2540C-1997	01/20/14 10:15	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.14		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 10:10	MCC	
pH [ECL-0062]	6.61		pH Units	1			4A23024	Field	01/16/14 10:10	MCC	
Specific Conductance (EC) [ECL-0146]	2845		umhos/cm	1	0	0	4A23024	Field	01/16/14 10:10	MCC	
Temperature [ECL-0151]	24.98		°C	1	0.00	0.00	4A23024	Field	01/16/14 10:10	MCC	
Turbidity [ECL-0177]	0.900		NTU	1	0.00	0.00	4A23024	Field	01/16/14 10:10	MCC	
Water Elevation [ECL-0180]	42.31		Ft	1			4A23024	Field	01/16/14 10:10	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Arsenic [7440-38-2]^	7.33	I	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Cadmium [7440-43-9]^	1.02		ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Chromium [7440-47-3]^	1.10	I	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Iron [7439-89-6]^	9570		ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:36	ACV	
Sodium [7440-23-5]^	64.2		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:36	ACV	

ANALYTICAL RESULTS

Description: MW-9S

Lab Sample ID: A400098-02

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:34

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:21	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:21	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	4A20018	EPA 8260B	01/20/14 15:21	np	
Dibromofluoromethane	46	1	50.0	92 %	53-146	4A20018	EPA 8260B	01/20/14 15:21	np	
Toluene-d8	45	1	50.0	90 %	41-146	4A20018	EPA 8260B	01/20/14 15:21	np	

ANALYTICAL RESULTS

Description: MW-9S

Lab Sample ID: A400098-02

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 10:34

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 08:00	JAY	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0073	U	mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:04	KGonz	
Chloride [16887-00-6]^	22		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 12:50	RSA	
Nitrate as N [14797-55-8]^	0.44	I	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 12:50	RSA	
Sulfate [14808-79-8]^	99		mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 12:50	RSA	
Total Dissolved Solids [ECL-0156]^	610		mg/L	1	10	10	4A19001	SM 2540C-1997	01/20/14 10:15	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.80		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 10:34	MCC	
pH [ECL-0062]	6.77		pH Units	1			4A23024	Field	01/16/14 10:34	MCC	
Specific Conductance (EC) [ECL-0146]	1117		umhos/cm	1	0	0	4A23024	Field	01/16/14 10:34	MCC	
Temperature [ECL-0151]	23.30		°C	1	0.00	0.00	4A23024	Field	01/16/14 10:34	MCC	
Turbidity [ECL-0177]	1.70		NTU	1	0.00	0.00	4A23024	Field	01/16/14 10:34	MCC	
Water Elevation [ECL-0180]	42.04		Ft	1			4A23024	Field	01/16/14 10:34	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Chromium [7440-47-3]^	1.35	I	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Iron [7439-89-6]^	10.8	I	ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:37	ACV	
Sodium [7440-23-5]^	13.2		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:37	ACV	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A400098-03

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:08

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
cis-1,2-Dichloroethene [156-59-2]^	0.68	I	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 15:51	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 15:51	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	4A20018	EPA 8260B	01/20/14 15:51	np	
Dibromofluoromethane	46	1	50.0	93 %	53-146	4A20018	EPA 8260B	01/20/14 15:51	np	
Toluene-d8	46	1	50.0	91 %	41-146	4A20018	EPA 8260B	01/20/14 15:51	np	

ANALYTICAL RESULTS

Description: MW-8

Lab Sample ID: A400098-03

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:08

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 08:03	JAY	

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]^	1.7		mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:06	KGonz	
Chloride [16887-00-6]^	28		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 13:09	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 13:09	RSA	
Sulfate [14808-79-8]^	3.7	I	mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 13:09	RSA	
Total Dissolved Solids [ECL-0156]^	640		mg/L	1	10	10	4A19001	SM 2540C-1997	01/20/14 10:15	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.23		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 11:08	MCC	
pH [ECL-0062]	6.53		pH Units	1			4A23024	Field	01/16/14 11:08	MCC	
Specific Conductance (EC) [ECL-0146]	1276		umhos/cm	1	0	0	4A23024	Field	01/16/14 11:08	MCC	
Temperature [ECL-0151]	24.31		°C	1	0.00	0.00	4A23024	Field	01/16/14 11:08	MCC	
Turbidity [ECL-0177]	1.10		NTU	1	0.00	0.00	4A23024	Field	01/16/14 11:08	MCC	
Water Elevation [ECL-0180]	42.23		Ft	1			4A23024	Field	01/16/14 11:08	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Arsenic [7440-38-2]^	6.93	I	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Chromium [7440-47-3]^	0.427	U	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Iron [7439-89-6]^	12700		ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:39	ACV	
Sodium [7440-23-5]^	23.7		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:39	ACV	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A400098-04

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:40

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:21	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:21	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	4A20018	EPA 8260B	01/20/14 16:21	np	
Dibromofluoromethane	49	1	50.0	98 %	53-146	4A20018	EPA 8260B	01/20/14 16:21	np	
Toluene-d8	44	1	50.0	88 %	41-146	4A20018	EPA 8260B	01/20/14 16:21	np	

ANALYTICAL RESULTS

Description: MW-6

Lab Sample ID: A400098-04

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 11:40

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 08:07	JAY	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0073	U	mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:07	KGonz	
Chloride [16887-00-6]^	1.3	I	mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 13:27	RSA	
Nitrate as N [14797-55-8]^	0.46	I	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 13:27	RSA	
Sulfate [14808-79-8]^	9.8		mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 13:27	RSA	
Total Dissolved Solids [ECL-0156]^	430		mg/L	1	10	10	4A20003	SM 2540C-1997	01/21/14 23:20	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	1.36		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 11:40	MCC	
pH [ECL-0062]	6.80		pH Units	1			4A23024	Field	01/16/14 11:40	MCC	
Specific Conductance (EC) [ECL-0146]	880		umhos/cm	1	0	0	4A23024	Field	01/16/14 11:40	MCC	
Temperature [ECL-0151]	23.12		°C	1	0.00	0.00	4A23024	Field	01/16/14 11:40	MCC	
Turbidity [ECL-0177]	2.70		NTU	1	0.00	0.00	4A23024	Field	01/16/14 11:40	MCC	
Water Elevation [ECL-0180]	42.42		Ft	1			4A23024	Field	01/16/14 11:40	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Chromium [7440-47-3]^	2.10	I	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Iron [7439-89-6]^	13.9	I	ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:41	ACV	
Sodium [7440-23-5]^	3.15		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:41	ACV	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A400098-05

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:13

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Benzene [71-43-2]^	1.6		ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
o-Xylene [95-47-6]^	0.79	I	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Toluene [108-88-3]^	1.6		ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 16:51	np	
Xylenes (Total) [1330-20-7]^	1.6	I	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 16:51	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	4A20018	EPA 8260B	01/20/14 16:51	np	
Dibromofluoromethane	46	1	50.0	92 %	53-146	4A20018	EPA 8260B	01/20/14 16:51	np	
Toluene-d8	46	1	50.0	92 %	41-146	4A20018	EPA 8260B	01/20/14 16:51	np	

ANALYTICAL RESULTS

Description: MW-5

Lab Sample ID: A400098-05

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:13

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 08:10	JAY	

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	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:14	KGonz	
Chloride [16887-00-6]^	12		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 13:46	RSA	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 13:46	RSA	
Sulfate [14808-79-8]^	0.15	I	mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 13:46	RSA	
Total Dissolved Solids [ECL-0156]^	710		mg/L	1	10	10	4A20003	SM 2540C-1997	01/21/14 23:20	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.09		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 12:13	MCC	
pH [ECL-0062]	6.43		pH Units	1			4A23024	Field	01/16/14 12:13	MCC	
Specific Conductance (EC) [ECL-0146]	1455		umhos/cm	1	0	0	4A23024	Field	01/16/14 12:13	MCC	
Temperature [ECL-0151]	24.56		°C	1	0.00	0.00	4A23024	Field	01/16/14 12:13	MCC	
Turbidity [ECL-0177]	0.400		NTU	1	0.00	0.00	4A23024	Field	01/16/14 12:13	MCC	
Water Elevation [ECL-0180]	42.21		Ft	1			4A23024	Field	01/16/14 12:13	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Cadmium [7440-43-9]^	0.440	U	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Chromium [7440-47-3]^	0.427	U	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Iron [7439-89-6]^	34700		ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:43	ACV	
Sodium [7440-23-5]^	10.5		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:43	ACV	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A400098-06

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:48

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:21	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:21	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	87 %	41-142	4A20018	EPA 8260B	01/20/14 17:21	np	
Dibromofluoromethane	46	1	50.0	93 %	53-146	4A20018	EPA 8260B	01/20/14 17:21	np	
Toluene-d8	44	1	50.0	89 %	41-146	4A20018	EPA 8260B	01/20/14 17:21	np	

ANALYTICAL RESULTS

Description: MW-7

Lab Sample ID: A400098-06

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 12:48

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: Chris Monaco

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.127	I	ug/L	1	0.0230	0.200	4A16005	EPA 7470A	01/20/14 08:13	JAY	

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0073	U	mg/L	1	0.0073	0.020	4A20036	EPA 350.1	01/20/14 15:24	KGonz	
Chloride [16887-00-6]^	7.7		mg/L	1	0.29	5.0	4A16035	EPA 300.0	01/17/14 14:41	RSA	
Nitrate as N [14797-55-8]^	4.6		mg/L	1	0.052	1.0	4A16035	EPA 300.0	01/17/14 14:41	RSA	
Sulfate [14808-79-8]^	40		mg/L	1	0.07	5.0	4A16035	EPA 300.0	01/17/14 14:41	RSA	
Total Dissolved Solids [ECL-0156]^	500		mg/L	1	10	10	4A20003	SM 2540C-1997	01/21/14 23:20	AH	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.14		mg/L	1	0.00	0.00	4A23024	Field	01/16/14 12:48	MCC	
pH [ECL-0062]	6.63		pH Units	1			4A23024	Field	01/16/14 12:48	MCC	
Specific Conductance (EC) [ECL-0146]	982		umhos/cm	1	0	0	4A23024	Field	01/16/14 12:48	MCC	
Temperature [ECL-0151]	24.00		°C	1	0.00	0.00	4A23024	Field	01/16/14 12:48	MCC	
Turbidity [ECL-0177]	0.200		NTU	1	0.00	0.00	4A23024	Field	01/16/14 12:48	MCC	
Water Elevation [ECL-0180]	42.26		Ft	1			4A23024	Field	01/16/14 12:48	MCC	

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

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5]^	38.0	U	ug/L	1	38.0	200	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Cadmium [7440-43-9]^	0.839	I	ug/L	1	0.440	1.00	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Chromium [7440-47-3]^	0.427	U	ug/L	1	0.427	10.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Iron [7439-89-6]^	29.6	I	ug/L	1	10.0	50.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Lead [7439-92-1]^	2.30	U	ug/L	1	2.30	10.0	4A28008	EPA 6010C	01/29/14 13:45	ACV	
Sodium [7440-23-5]^	10.7		mg/L	1	0.0740	0.500	4A28008	EPA 6010C	01/29/14 13:45	ACV	

ANALYTICAL RESULTS

Description: TRIP BLANK

Lab Sample ID: A400098-07

Received: 01/16/14 15:08

Matrix: Ground Water

Sampled: 01/16/14 00:00

Work Order: A400098

Project: FRIENDS RECYCLING FORMERLY OCALA
RECYCLING

Sampled By: ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Methylene chloride [75-09-2]^	0.71	U	ug/L	1	0.71	2.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	4A20018	EPA 8260B	01/20/14 17:52	np	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	4A20018	EPA 8260B	01/20/14 17:52	np	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	4A20018	EPA 8260B	01/20/14 17:52	np	
Dibromofluoromethane	46	1	50.0	92 %	53-146	4A20018	EPA 8260B	01/20/14 17:52	np	
Toluene-d8	47	1	50.0	94 %	41-146	4A20018	EPA 8260B	01/20/14 17:52	np	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4A20018 - EPA 5030B_MS

Blank (4A20018-BLK1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 13:20

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	0.71	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	43			ug/L	50.0		87	41-142			
Dibromofluoromethane	45			ug/L	50.0		89	53-146			
Toluene-d8	45			ug/L	50.0		89	41-146			

LCS (4A20018-BS1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 12:50

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	65-144			
Benzene	19		1.0	ug/L	20.0		97	73-138			
Chlorobenzene	18		1.0	ug/L	20.0		89	77-127			
Toluene	19		1.0	ug/L	20.0		93	71-123			
Trichloroethene	19		1.0	ug/L	20.0		95	83-133			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 4A20018 - EPA 5030B_MS - Continued

LCS (4A20018-BS1) Continued

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 12:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Dibromofluoromethane	44			ug/L	50.0		88	53-146			
Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike (4A20018-MS1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 13:50

Source: A400098-01

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	0.94 U	98	65-144			
Benzene	20		1.0	ug/L	20.0	0.71 U	98	73-138			
Chlorobenzene	17		1.0	ug/L	20.0	0.72 U	85	77-127			
Toluene	18		1.0	ug/L	20.0	0.72 U	92	71-123			
Trichloroethene	19		1.0	ug/L	20.0	0.89 U	93	83-133			
4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Dibromofluoromethane	47			ug/L	50.0		93	53-146			
Toluene-d8	45			ug/L	50.0		91	41-146			

Matrix Spike Dup (4A20018-MSD1)

Prepared: 01/20/2014 11:08 Analyzed: 01/20/2014 14:21

Source: A400098-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.94 U	97	65-144	0.7	16	
Benzene	20		1.0	ug/L	20.0	0.71 U	101	73-138	3	14	
Chlorobenzene	18		1.0	ug/L	20.0	0.72 U	88	77-127	4	13	
Toluene	20		1.0	ug/L	20.0	0.72 U	98	71-123	6	16	
Trichloroethene	18		1.0	ug/L	20.0	0.89 U	92	83-133	1	20	
4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Dibromofluoromethane	45			ug/L	50.0		90	53-146			
Toluene-d8	45			ug/L	50.0		90	41-146			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 4A16005 - EPA 7470A

Blank (4A16005-BLK1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:12

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

LCS (4A16005-BS1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.93		0.200	ug/L	5.00		99	80-120			

Matrix Spike (4A16005-MS1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:21

Source: A400098-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.19		0.200	ug/L	5.00	0.111	102	75-125			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 4A16005 - EPA 7470A - Continued

Matrix Spike Dup (4A16005-MSD1)

Prepared: 01/17/2014 14:03 Analyzed: 01/20/2014 07:24

Source: A400098-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.18		0.200	ug/L	5.00	0.111	101	75-125	0.2	20	

Post Spike (4A16005-PS1)

Prepared: 01/20/2014 06:00 Analyzed: 01/20/2014 07:28

Source: A400098-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.12		0.200	ug/L	5.61	0.105	89	80-120			

Classical Chemistry Parameters - Quality Control

Batch 4A16035 - NO PREP

Blank (4A16035-BLK1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 07:13

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 (4A16035-BS1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 07:31

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	52		5.0	mg/L	50.0		104	90-110			
Nitrate as N	10		1.0	mg/L	10.0		105	90-110			
Sulfate	51		5.0	mg/L	50.0		103	90-110			

Matrix Spike (4A16035-MS1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 07:50

Source: A400295-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	57		5.0	mg/L	50.0	5.3	103	90-110			
Nitrate as N	12		1.0	mg/L	10.0	2.3	102	90-110			
Sulfate	76		5.0	mg/L	50.0	26	100	90-110			

Matrix Spike Dup (4A16035-MSD1)

Prepared: 01/16/2014 16:06 Analyzed: 01/17/2014 08:08

Source: A400295-05

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	59		5.0	mg/L	50.0	5.3	106	90-110	3	10	
Nitrate as N	13		1.0	mg/L	10.0	2.3	105	90-110	3	10	
Sulfate	78		5.0	mg/L	50.0	26	102	90-110	2	10	

Batch 4A19001 - NO PREP

Blank (4A19001-BLK1)

Prepared: 01/19/2014 05:03 Analyzed: 01/20/2014 10:15

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

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 4A19001 - NO PREP - Continued

LCS (4A19001-BS1)

Prepared: 01/19/2014 05:03 Analyzed: 01/20/2014 10:15

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	1000		10	mg/L	1000		100	90-110			

Duplicate (4A19001-DUP1)

Prepared: 01/19/2014 05:03 Analyzed: 01/20/2014 10:15

Source: A400098-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2200		10	mg/L		2200			0.9	10	

Batch 4A20003 - NO PREP

Blank (4A20003-BLK1)

Prepared: 01/20/2014 04:44 Analyzed: 01/21/2014 23:20

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 (4A20003-BS1)

Prepared: 01/20/2014 04:44 Analyzed: 01/21/2014 23:20

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

Duplicate (4A20003-DUP1)

Prepared: 01/20/2014 04:44 Analyzed: 01/21/2014 23:20

Source: A307201-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	750		10	mg/L		750			0	10	

Batch 4A20036 - NO PREP

Blank (4A20036-BLK1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 14:38

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

LCS (4A20036-BS1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 14:42

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.95		0.020	mg/L	1.00		95	90-110			

Matrix Spike (4A20036-MS1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 15:11

Source: A400098-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	5.2		0.10	mg/L	1.00	4.4	78	90-110			QM-07

Matrix Spike Dup (4A20036-MSD1)

Prepared: 01/20/2014 14:01 Analyzed: 01/20/2014 15:13

Source: A400098-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	5.1		0.10	mg/L	1.00	4.4	73	90-110	1	10	QM-07

Batch 4A23001 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 4A23001 - NO PREP - Continued

Blank (4A23001-BLK1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 09:36

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

LCS (4A23001-BS1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 09:56

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	10		1.0	mg/L	10.0		105	90-110			
Sulfate	51		5.0	mg/L	50.0		102	90-110			

Matrix Spike (4A23001-MS1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 17:14

Source: A400241-05

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.33	106	90-110			
Sulfate	54		5.0	mg/L	50.0	2.2	104	90-110			

Matrix Spike Dup (4A23001-MSD1)

Prepared: 01/23/2014 08:30 Analyzed: 01/23/2014 17:32

Source: A400241-05

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	11		1.0	mg/L	10.0	0.33	105	90-110	0.3	10	
Sulfate	54		5.0	mg/L	50.0	2.2	103	90-110	0.2	10	

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

Batch 4A28008 - EPA 3005A

Blank (4A28008-BLK1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:23

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	38.0	U	200	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Cadmium	0.440	U	1.00	ug/L							
Chromium	0.427	U	10.0	ug/L							
Iron	10.0	U	50.0	ug/L							
Lead	2.30	U	10.0	ug/L							
Sodium	0.0740	U	0.500	mg/L							

LCS (4A28008-BS1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:26

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5220		200	ug/L	5000		104	80-120			
Arsenic	505		10.0	ug/L	500		101	80-120			
Cadmium	51.3		1.00	ug/L	50.0		103	80-120			
Chromium	509		10.0	ug/L	500		102	80-120			
Iron	2550		50.0	ug/L	2500		102	80-120			
Lead	515		10.0	ug/L	500		103	80-120			
Sodium	25.8		0.500	mg/L	25.0		103	80-120			

QUALITY CONTROL DATA

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

Batch 4A28008 - EPA 3005A - Continued

Matrix Spike (4A28008-MS1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:28

Source: B400467-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5040		200	ug/L	5000	38.0 U	101	75-125			
Arsenic	499		10.0	ug/L	500	6.10 U	100	75-125			
Cadmium	50.9		1.00	ug/L	50.0	0.706	100	75-125			
Chromium	501		10.0	ug/L	500	0.427 U	100	75-125			
Iron	3000		50.0	ug/L	2500	500	100	75-125			
Lead	496		10.0	ug/L	500	2.30 U	99	75-125			
Sodium	38.7		0.500	mg/L	25.0	13.6	101	75-125			

Matrix Spike Dup (4A28008-MSD1)

Prepared: 01/28/2014 11:37 Analyzed: 01/29/2014 13:34

Source: B400467-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5110		200	ug/L	5000	38.0 U	102	75-125	1	20	
Arsenic	512		10.0	ug/L	500	6.10 U	102	75-125	2	20	
Cadmium	51.8		1.00	ug/L	50.0	0.706	102	75-125	2	20	
Chromium	509		10.0	ug/L	500	0.427 U	102	75-125	2	20	
Iron	3080		50.0	ug/L	2500	500	103	75-125	3	20	
Lead	507		10.0	ug/L	500	2.30 U	101	75-125	2	20	
Sodium	39.3		0.500	mg/L	25.0	13.6	103	75-125	2	20	

FLAGS/NOTES AND DEFINITIONS

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

