



# **ENCO Laboratories**

***Accurate. Timely. Responsive. Innovative.***

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Monday, February 29, 2016

Angelo's Recycled Materials (AN010)

Attn: Walker Wrenn

41111 Enterprise Road

Dade City, FL 33525

**RE: Laboratory Results for**

**Project Number: 87895, Project Name/Desc: ENTERPRISE LF & RECYC (FKA SID LARKIN & SON, INC.)**

**ENCO Workorder(s): AZ01096**

Dear Walker Wrenn,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, February 17, 2016.

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,

David Camacho For Kaitlin Dylnicki

Project Manager

Enclosure(s)

# SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-3 Lab ID: AZ01096-01 Sampled: 02/16/16 14:00 Received: 02/17/16 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/18/16 14:00	02/17/16 10:00	02/17/16 14:12
EPA 300.0	03/15/16	02/17/16 10:00	02/17/16 14:12
EPA 350.1	03/15/16	02/19/16 09:01	02/19/16 10:09
EPA 6020A	08/14/16	02/18/16 06:44	02/18/16 12:07
EPA 7470A	03/15/16	02/22/16 10:32	02/23/16 09:02
EPA 8011	03/01/16 03/08/16	02/23/16 10:29	02/24/16 15:30
EPA 8260B	03/01/16	02/19/16 00:00	02/19/16 16:53
Field	02/16/16 14:14	02/16/16 14:00	02/16/16 14:00
Field	02/17/16 14:00 02/17/16 14:00	02/16/16 14:00	02/16/16 14:00
Field	02/18/16 14:00	02/16/16 14:00	02/16/16 14:00
SM 2540C-1997	02/23/16	02/18/16 16:47	02/21/16 09:25

Client ID: MW-3B Lab ID: AZ01096-02 Sampled: 02/16/16 14:22 Received: 02/17/16 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/18/16 14:22	02/17/16 10:00	02/17/16 14:27
EPA 300.0	03/15/16	02/17/16 10:00	02/17/16 14:27
EPA 350.1	03/15/16	02/19/16 09:01	02/19/16 10:10
EPA 6020A	08/14/16	02/18/16 06:44	02/18/16 12:11
EPA 7470A	03/15/16	02/22/16 10:32	02/23/16 09:11
EPA 8011	03/01/16 03/08/16	02/23/16 10:29	02/24/16 15:48
EPA 8260B	03/01/16	02/19/16 00:00	02/19/16 17:20
Field	02/16/16 14:36	02/16/16 14:22	02/16/16 14:22
Field	02/17/16 14:22 02/17/16 14:22	02/16/16 14:22	02/16/16 14:22
Field	02/18/16 14:22	02/16/16 14:22	02/16/16 14:22
SM 2540C-1997	02/23/16	02/18/16 16:47	02/21/16 09:25

Client ID: MW-5A Lab ID: AZ01096-03 Sampled: 02/16/16 14:56 Received: 02/17/16 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/18/16 14:56	02/17/16 10:00	02/17/16 14:43
EPA 300.0	03/15/16	02/17/16 10:00	02/17/16 14:43
EPA 350.1	03/15/16	02/19/16 09:01	02/19/16 10:11
EPA 6020A	08/14/16	02/18/16 06:44	02/18/16 12:14
EPA 7470A	03/15/16	02/22/16 10:32	02/23/16 09:14
EPA 8011	03/01/16 03/08/16	02/23/16 10:29	02/24/16 16:06
EPA 8260B	03/01/16	02/19/16 00:00	02/19/16 17:48
Field	02/16/16 15:10	02/16/16 14:56	02/16/16 14:56
Field	02/17/16 14:56 02/17/16 14:56	02/16/16 14:56	02/16/16 14:56
Field	02/18/16 14:56	02/16/16 14:56	02/16/16 14:56
SM 2540C-1997	02/23/16	02/18/16 16:47	02/21/16 09:25

Client ID: MW-5B Lab ID: AZ01096-04 Sampled: 02/16/16 15:25 Received: 02/17/16 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/18/16 15:25	02/17/16 10:00	02/17/16 14:58
EPA 300.0	03/15/16	02/17/16 10:00	02/17/16 14:58
EPA 350.1	03/15/16	02/19/16 09:01	02/19/16 10:12
EPA 6020A	08/14/16	02/18/16 06:44	02/18/16 12:18
EPA 7470A	03/15/16	02/22/16 10:32	02/23/16 09:17
EPA 8011	03/01/16 03/08/16	02/23/16 10:29	02/24/16 16:24
EPA 8260B	03/01/16	02/19/16 00:00	02/19/16 18:15
Field	02/16/16 15:39	02/16/16 15:25	02/16/16 15:25
Field	02/17/16 15:25 02/17/16 15:25	02/16/16 15:25	02/16/16 15:25
Field	02/18/16 15:25	02/16/16 15:25	02/16/16 15:25
SM 2540C-1997	02/23/16	02/18/16 16:47	02/21/16 09:25

Client ID: TRIP BLANK Lab ID: AZ01096-05 Sampled: 02/16/16 00:00 Received: 02/17/16 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/01/16	02/19/16 00:00	02/19/16 18:43

# SAMPLE DETECTION SUMMARY

Client ID: MW-3

Lab ID: AZ01096-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	23.0	I	20.0	100	ug/L	EPA 6020A	
Chloride	4.9	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	13.04				Ft	Field	
Dissolved Oxygen	4.92		0	0	mg/L	Field	
Mercury - Total	0.0400	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	0.64	I	0.052	1.0	mg/L	EPA 300.0	J
pH	6.81				pH Units	Field	
Sodium - Total	5.54		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	520		0	0	umhos/cm	Field	
Temperature	22.96		0	0	°C	Field	
Total Dissolved Solids	250		10	10	mg/L	SM 2540C-1997	
Turbidity	1.3		0	0	NTU	Field	
Vanadium - Total	2.50	I	2.00	10.0	ug/L	EPA 6020A	
Water Elevation	72.34				Ft	Field	

Client ID: MW-3B

Lab ID: AZ01096-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	4.8	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	12.43				Ft	Field	
Dissolved Oxygen	1.68		0	0	mg/L	Field	
Mercury - Total	0.0307	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	0.57	I	0.052	1.0	mg/L	EPA 300.0	J
pH	7.1				pH Units	Field	
Sodium - Total	4.21		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	409		0	0	umhos/cm	Field	
Temperature	23.8		0	0	°C	Field	
Total Dissolved Solids	230		10	10	mg/L	SM 2540C-1997	
Turbidity	0.3		0	0	NTU	Field	
Vanadium - Total	3.54	I	2.00	10.0	ug/L	EPA 6020A	
Water Elevation	72.37				Ft	Field	

Client ID: MW-5A

Lab ID: AZ01096-03

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	27.7	I	20.0	100	ug/L	EPA 6020A	
Chloride	1.4	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	10.38				Ft	Field	
Dissolved Oxygen	5.18		0	0	mg/L	Field	
Mercury - Total	0.0321	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	2.1		0.052	1.0	mg/L	EPA 300.0	
pH	6.17				pH Units	Field	
Sodium - Total	1.86		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	106		0	0	umhos/cm	Field	
Temperature	22.57		0	0	°C	Field	
Total Dissolved Solids	64		10	10	mg/L	SM 2540C-1997	
Turbidity	0.7		0	0	NTU	Field	
Water Elevation	76.36				Ft	Field	

# SAMPLE DETECTION SUMMARY

Client ID: MW-5B

Lab ID: AZ01096-04

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	3.2	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	13.42				Ft	Field	
Dissolved Oxygen	4.4		0	0	mg/L	Field	
Mercury - Total	0.0364	I	0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	0.97	I	0.052	1.0	mg/L	EPA 300.0	J
pH	7.22				pH Units	Field	
Sodium - Total	2.99		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	282		0	0	umhos/cm	Field	
Temperature	23.47		0	0	°C	Field	
Total Dissolved Solids	150		10	10	mg/L	SM 2540C-1997	
Turbidity	0.8		0	0	NTU	Field	
Vanadium - Total	6.93	I	2.00	10.0	ug/L	EPA 6020A	
Water Elevation	72.28				Ft	Field	

# ANALYTICAL RESULTS

**Description:** MW-3

**Lab Sample ID:** AZ01096-01

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 14:00

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID LARKIN & SON, INC.)

**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
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Acetone [67-64-1]^	5.0	U	ug/L	1	5.0	10	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	QL-02, U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	QV-01, U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	QL-02, U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U

# ANALYTICAL RESULTS

Description: MW-3

Lab Sample ID: AZ01096-01

Received: 02/17/16 09:10

Matrix: Ground Water

Sampled: 02/16/16 14:00

Work Order: AZ01096

Project: ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

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
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 16:53	JAJ	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	48	1	50.0	97 %	41-142	6B19016	EPA 8260B	02/19/16 16:53	JAJ	
Dibromofluoromethane	54	1	50.0	108 %	53-146	6B19016	EPA 8260B	02/19/16 16:53	JAJ	
Toluene-d8	51	1	50.0	102 %	41-146	6B19016	EPA 8260B	02/19/16 16:53	JAJ	

## Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	6B23023	EPA 8011	02/24/16 15:30	RC	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	6B23023	EPA 8011	02/24/16 15:30	RC	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.26	1	0.250	104 %	70-130	6B23023	EPA 8011	02/24/16 15:30	RC	

## 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]^	0.0400	I	ug/L	1	0.0230	0.200	6B17009	EPA 7470A	02/23/16 09:02	IR	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Barium [7440-39-3]^	23.0	I	ug/L	1	20.0	100	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Cobalt [7440-48-4]^	2.10	U	ug/L	1	2.10	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Copper [7440-50-8]^	2.20	U	ug/L	1	2.20	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Nickel [7440-02-0]^	3.20	U	ug/L	1	3.20	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Silver [7440-22-4]^	0.290	U	ug/L	1	0.290	1.00	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Sodium [7440-23-5]^	5.54		mg/L	1	0.320	1.00	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Vanadium [7440-62-2]^	2.50	I	ug/L	1	2.00	10.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	
Zinc [7440-66-6]^	16.0	U	ug/L	1	16.0	50.0	6B18004	EPA 6020A	02/18/16 12:07	JMA	

# ANALYTICAL RESULTS

**Description:** MW-3

**Lab Sample ID:** AZ01096-01

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 14:00

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

**Sampled By:** Chris Monaco

## 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	6B19009	EPA 350.1	02/19/16 10:09	KGonz	U
Chloride [16887-00-6]^	4.9	I	mg/L	1	0.29	5.0	6B17001	EPA 300.0	02/17/16 14:12	RAIfo	
Nitrate as N [14797-55-8]^	0.64	I	mg/L	1	0.052	1.0	6B17001	EPA 300.0	02/17/16 14:12	RAIfo	J
Total Dissolved Solids^	250		mg/L	1	10	10	6B18036	SM 2540C-1997	02/21/16 09:25	AH	

## Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	13.04		Ft	1			6B24030	Field	02/16/16 14:00	CSP	
Dissolved Oxygen	4.92		mg/L	1	0	0	6B24030	Field	02/16/16 14:00	CSP	
pH	6.81		pH Units	1			6B24030	Field	02/16/16 14:00	CSP	
Specific Conductance (EC)	520		umhos/cm	1	0	0	6B24030	Field	02/16/16 14:00	CSP	
Temperature	22.96		°C	1	0	0	6B24030	Field	02/16/16 14:00	CSP	
Turbidity	1.3		NTU	1	0	0	6B24030	Field	02/16/16 14:00	CSP	
Water Elevation	72.34		Ft	1			6B24030	Field	02/16/16 14:00	CSP	

# ANALYTICAL RESULTS

**Description:** MW-3B

**Lab Sample ID:** AZ01096-02

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 14:22

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID LARKIN & SON, INC.)

**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
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Acetone [67-64-1]^	5.0	U	ug/L	1	5.0	10	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	QL-02, U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	QV-01, U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	QL-02, U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U



# ANALYTICAL RESULTS

Description: MW-3B

Lab Sample ID: AZ01096-02

Received: 02/17/16 09:10

Matrix: Ground Water

Sampled: 02/16/16 14:22

Work Order: AZ01096

Project: ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

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
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 17:20	JAJ	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	102 %	41-142	6B19016	EPA 8260B	02/19/16 17:20	JAJ	
Dibromofluoromethane	54	1	50.0	109 %	53-146	6B19016	EPA 8260B	02/19/16 17:20	JAJ	
Toluene-d8	48	1	50.0	96 %	41-146	6B19016	EPA 8260B	02/19/16 17:20	JAJ	

## Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	6B23023	EPA 8011	02/24/16 15:48	RC	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	6B23023	EPA 8011	02/24/16 15:48	RC	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.27	1	0.250	107 %	70-130	6B23023	EPA 8011	02/24/16 15:48	RC	

## 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]^	0.0307	I	ug/L	1	0.0230	0.200	6B17009	EPA 7470A	02/23/16 09:11	IR	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Barium [7440-39-3]^	20.0	U	ug/L	1	20.0	100	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Cobalt [7440-48-4]^	2.10	U	ug/L	1	2.10	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Copper [7440-50-8]^	2.20	U	ug/L	1	2.20	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Nickel [7440-02-0]^	3.20	U	ug/L	1	3.20	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Silver [7440-22-4]^	0.290	U	ug/L	1	0.290	1.00	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Sodium [7440-23-5]^	4.21		mg/L	1	0.320	1.00	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Vanadium [7440-62-2]^	3.54	I	ug/L	1	2.00	10.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	
Zinc [7440-66-6]^	16.0	U	ug/L	1	16.0	50.0	6B18004	EPA 6020A	02/18/16 12:11	JMA	

# ANALYTICAL RESULTS

**Description:** MW-3B

**Lab Sample ID:** AZ01096-02

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 14:22

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

**Sampled By:** Chris Monaco

## 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	6B19009	EPA 350.1	02/19/16 10:10	KGonz	U
Chloride [16887-00-6]^	4.8	I	mg/L	1	0.29	5.0	6B17001	EPA 300.0	02/17/16 14:27	RAIfo	
Nitrate as N [14797-55-8]^	0.57	I	mg/L	1	0.052	1.0	6B17001	EPA 300.0	02/17/16 14:27	RAIfo	J
Total Dissolved Solids^	230		mg/L	1	10	10	6B18036	SM 2540C-1997	02/21/16 09:25	AH	

## Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	12.43		Ft	1			6B24030	Field	02/16/16 14:22	CSP	
Dissolved Oxygen	1.68		mg/L	1	0	0	6B24030	Field	02/16/16 14:22	CSP	
pH	7.1		pH Units	1			6B24030	Field	02/16/16 14:22	CSP	
Specific Conductance (EC)	409		umhos/cm	1	0	0	6B24030	Field	02/16/16 14:22	CSP	
Temperature	23.8		°C	1	0	0	6B24030	Field	02/16/16 14:22	CSP	
Turbidity	0.3		NTU	1	0	0	6B24030	Field	02/16/16 14:22	CSP	
Water Elevation	72.37		Ft	1			6B24030	Field	02/16/16 14:22	CSP	

# ANALYTICAL RESULTS

**Description:** MW-5A

**Lab Sample ID:** AZ01096-03

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 14:56

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID LARKIN & SON, INC.)

**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
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Acetone [67-64-1]^	5.0	U	ug/L	1	5.0	10	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	QL-02, U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	QV-01, U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	QL-02, U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U

# ANALYTICAL RESULTS

Description: MW-5A

Lab Sample ID: AZ01096-03

Received: 02/17/16 09:10

Matrix: Ground Water

Sampled: 02/16/16 14:56

Work Order: AZ01096

Project: ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

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
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 17:48	JAJ	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	98 %	41-142	6B19016	EPA 8260B	02/19/16 17:48	JAJ	
Dibromofluoromethane	56	1	50.0	113 %	53-146	6B19016	EPA 8260B	02/19/16 17:48	JAJ	
Toluene-d8	50	1	50.0	101 %	41-146	6B19016	EPA 8260B	02/19/16 17:48	JAJ	

## Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	6B23023	EPA 8011	02/24/16 16:06	RC	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	6B23023	EPA 8011	02/24/16 16:06	RC	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.27	1	0.250	107 %	70-130	6B23023	EPA 8011	02/24/16 16:06	RC	

## 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]^	0.0321	I	ug/L	1	0.0230	0.200	6B17009	EPA 7470A	02/23/16 09:14	IR	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Barium [7440-39-3]^	27.7	I	ug/L	1	20.0	100	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Cobalt [7440-48-4]^	2.10	U	ug/L	1	2.10	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Copper [7440-50-8]^	2.20	U	ug/L	1	2.20	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Nickel [7440-02-0]^	3.20	U	ug/L	1	3.20	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Silver [7440-22-4]^	0.290	U	ug/L	1	0.290	1.00	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Sodium [7440-23-5]^	1.86		mg/L	1	0.320	1.00	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Vanadium [7440-62-2]^	2.00	U	ug/L	1	2.00	10.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	
Zinc [7440-66-6]^	16.0	U	ug/L	1	16.0	50.0	6B18004	EPA 6020A	02/18/16 12:14	JMA	

# ANALYTICAL RESULTS

**Description:** MW-5A

**Lab Sample ID:** AZ01096-03

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 14:56

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

**Sampled By:** Chris Monaco

## 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	6B19009	EPA 350.1	02/19/16 10:11	KGonz	U
Chloride [16887-00-6]^	1.4	I	mg/L	1	0.29	5.0	6B17001	EPA 300.0	02/17/16 14:43	RAIfo	
Nitrate as N [14797-55-8]^	2.1		mg/L	1	0.052	1.0	6B17001	EPA 300.0	02/17/16 14:43	RAIfo	
Total Dissolved Solids^	64		mg/L	1	10	10	6B18036	SM 2540C-1997	02/21/16 09:25	AH	

## Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	10.38		Ft	1			6B24030	Field	02/16/16 14:56	CSP	
Dissolved Oxygen	5.18		mg/L	1	0	0	6B24030	Field	02/16/16 14:56	CSP	
pH	6.17		pH Units	1			6B24030	Field	02/16/16 14:56	CSP	
Specific Conductance (EC)	106		umhos/cm	1	0	0	6B24030	Field	02/16/16 14:56	CSP	
Temperature	22.57		°C	1	0	0	6B24030	Field	02/16/16 14:56	CSP	
Turbidity	0.7		NTU	1	0	0	6B24030	Field	02/16/16 14:56	CSP	
Water Elevation	76.36		Ft	1			6B24030	Field	02/16/16 14:56	CSP	

# ANALYTICAL RESULTS

**Description:** MW-5B

**Lab Sample ID:** AZ01096-04

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 15:25

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID LARKIN & SON, INC.)

**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
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Acetone [67-64-1]^	5.0	U	ug/L	1	5.0	10	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	QL-02, U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	QV-01, U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	QL-02, U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U

# ANALYTICAL RESULTS

Description: MW-5B

Lab Sample ID: AZ01096-04

Received: 02/17/16 09:10

Matrix: Ground Water

Sampled: 02/16/16 15:25

Work Order: AZ01096

Project: ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

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
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 18:15	JAJ	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	93 %	41-142	6B19016	EPA 8260B	02/19/16 18:15	JAJ	
Dibromofluoromethane	53	1	50.0	106 %	53-146	6B19016	EPA 8260B	02/19/16 18:15	JAJ	
Toluene-d8	47	1	50.0	94 %	41-146	6B19016	EPA 8260B	02/19/16 18:15	JAJ	

## Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	6B23023	EPA 8011	02/24/16 16:24	RC	U
1,2-Dibromoethane [106-93-4]^	0.004	U	ug/L	1	0.004	0.020	6B23023	EPA 8011	02/24/16 16:24	RC	U

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.27	1	0.250	108 %	70-130	6B23023	EPA 8011	02/24/16 16:24	RC	

## 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]^	0.0364	I	ug/L	1	0.0230	0.200	6B17009	EPA 7470A	02/23/16 09:17	IR	

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

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	1.10	U	ug/L	1	1.10	20.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Barium [7440-39-3]^	20.0	U	ug/L	1	20.0	100	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Cadmium [7440-43-9]^	1.10	U	ug/L	1	1.10	3.00	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Chromium [7440-47-3]^	4.50	U	ug/L	1	4.50	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Cobalt [7440-48-4]^	2.10	U	ug/L	1	2.10	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Copper [7440-50-8]^	2.20	U	ug/L	1	2.20	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Iron [7439-89-6]^	38.0	U	ug/L	1	38.0	50.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Lead [7439-92-1]^	1.60	U	ug/L	1	1.60	5.00	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Nickel [7440-02-0]^	3.20	U	ug/L	1	3.20	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Silver [7440-22-4]^	0.290	U	ug/L	1	0.290	1.00	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Sodium [7440-23-5]^	2.99		mg/L	1	0.320	1.00	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Thallium [7440-28-0]^	0.580	U	ug/L	1	0.580	1.00	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Vanadium [7440-62-2]^	6.93	I	ug/L	1	2.00	10.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	
Zinc [7440-66-6]^	16.0	U	ug/L	1	16.0	50.0	6B18004	EPA 6020A	02/18/16 12:18	JMA	

# ANALYTICAL RESULTS

**Description:** MW-5B

**Lab Sample ID:** AZ01096-04

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 15:25

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

**Sampled By:** Chris Monaco

## 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	6B19009	EPA 350.1	02/19/16 10:12	KGonz	U
Chloride [16887-00-6]^	3.2	I	mg/L	1	0.29	5.0	6B17001	EPA 300.0	02/17/16 14:58	RAIfo	
Nitrate as N [14797-55-8]^	0.97	I	mg/L	1	0.052	1.0	6B17001	EPA 300.0	02/17/16 14:58	RAIfo	J
Total Dissolved Solids^	150		mg/L	1	10	10	6B18036	SM 2540C-1997	02/21/16 09:25	AH	

## Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	13.42		Ft	1			6B24030	Field	02/16/16 15:25	CSP	
Dissolved Oxygen	4.4		mg/L	1	0	0	6B24030	Field	02/16/16 15:25	CSP	
pH	7.22		pH Units	1			6B24030	Field	02/16/16 15:25	CSP	
Specific Conductance (EC)	282		umhos/cm	1	0	0	6B24030	Field	02/16/16 15:25	CSP	
Temperature	23.47		°C	1	0	0	6B24030	Field	02/16/16 15:25	CSP	
Turbidity	0.8		NTU	1	0	0	6B24030	Field	02/16/16 15:25	CSP	
Water Elevation	72.28		Ft	1			6B24030	Field	02/16/16 15:25	CSP	



# ANALYTICAL RESULTS

**Description:** TRIP BLANK

**Lab Sample ID:** AZ01096-05

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 00:00

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID LARKIN & SON, INC.)

**Sampled By:** ENCO-ORL

## 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
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
2-Hexanone [591-78-6]^	1.4	U	ug/L	1	1.4	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
4-Methyl-2-pentanone [108-10-1]^	0.79	U	ug/L	1	0.79	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Acetone [67-64-1]^	5.0	U	ug/L	1	5.0	10	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Acrylonitrile [107-13-1]^	3.2	U	ug/L	1	3.2	10	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	QL-02, U
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Carbon disulfide [75-15-0]^	2.6	U	ug/L	1	2.6	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	QV-01, U
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Iodomethane [74-88-4]^	0.72	U	ug/L	1	0.72	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	QL-02, U
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Vinyl acetate [108-05-4]^	0.60	U	ug/L	1	0.60	5.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U

# ANALYTICAL RESULTS

**Description:** TRIP BLANK

**Lab Sample ID:** AZ01096-05

**Received:** 02/17/16 09:10

**Matrix:** Ground Water

**Sampled:** 02/16/16 00:00

**Work Order:** AZ01096

**Project:** ENTERPRISE LF & RECYC (FKA SID  
LARKIN & SON, INC.)

**Sampled By:** ENCO-ORL

## Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	6B19016	EPA 8260B	02/19/16 18:43	JAJ	U

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	49	1	50.0	97 %	41-142	6B19016	EPA 8260B	02/19/16 18:43	JAJ	
Dibromofluoromethane	53	1	50.0	106 %	53-146	6B19016	EPA 8260B	02/19/16 18:43	JAJ	
Toluene-d8	52	1	50.0	104 %	41-146	6B19016	EPA 8260B	02/19/16 18:43	JAJ	

# QUALITY CONTROL DATA

## Volatile Organic Compounds by GCMS - Quality Control

Batch 6B19016 - EPA 5030B\_MS

Blank (6B19016-BLK1)

Prepared: 02/19/2016 00:00 Analyzed: 02/19/2016 10:53

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							U
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							U
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							U
1,1-Dichloroethane	0.62	U	1.0	ug/L							U
1,1-Dichloroethene	0.94	U	1.0	ug/L							U
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							U
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							U
1,2-Dichloroethane	0.63	U	1.0	ug/L							U
1,2-Dichloropropane	0.80	U	1.0	ug/L							U
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							U
2-Butanone	4.5	U	5.0	ug/L							U
2-Hexanone	1.4	U	5.0	ug/L							U
4-Methyl-2-pentanone	0.79	U	5.0	ug/L							U
Acetone	5.0	U	10	ug/L							U
Acrylonitrile	3.2	U	10	ug/L							U
Benzene	0.71	U	1.0	ug/L							U
Bromochloromethane	0.94	U	1.0	ug/L							U
Bromodichloromethane	0.52	U	1.0	ug/L							U
Bromoform	0.75	U	1.0	ug/L							U
Bromomethane	0.95	U	1.0	ug/L							U
Carbon disulfide	2.6	U	5.0	ug/L							U
Carbon tetrachloride	0.94	U	1.0	ug/L							U
Chlorobenzene	0.72	U	1.0	ug/L							U
Chloroethane	0.98	U	1.0	ug/L							U
Chloroform	0.80	U	1.0	ug/L							U
Chloromethane	0.82	U	1.0	ug/L							U
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							U
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							U
Dibromochloromethane	0.44	U	1.0	ug/L							U
Dibromomethane	0.84	U	1.0	ug/L							U
Ethylbenzene	0.69	U	1.0	ug/L							U
Iodomethane	0.72	U	5.0	ug/L							U
m,p-Xylenes	1.3	U	2.0	ug/L							U
Methylene chloride	2.0	U	5.0	ug/L							U
o-Xylene	0.53	U	1.0	ug/L							U
Styrene	0.61	U	1.0	ug/L							U
Tetrachloroethene	0.76	U	1.0	ug/L							U
Toluene	0.72	U	1.0	ug/L							U
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							U
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							U
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							U
Trichloroethene	0.89	U	1.0	ug/L							U
Trichlorofluoromethane	0.94	U	1.0	ug/L							U
Vinyl acetate	0.60	U	5.0	ug/L							U
Vinyl chloride	0.71	U	1.0	ug/L							U
Xylenes (Total)	1.3	U	2.0	ug/L							U
4-Bromofluorobenzene	51			ug/L	50.0		102	41-142			
Dibromofluoromethane	53			ug/L	50.0		106	53-146			

# QUALITY CONTROL DATA

## Volatile Organic Compounds by GCMS - Quality Control

Batch 6B19016 - EPA 5030B\_MS - Continued

Blank (6B19016-BLK1) Continued

Prepared: 02/19/2016 00:00 Analyzed: 02/19/2016 10:53

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene-d8	49			ug/L	50.0		98	41-146			

LCS (6B19016-BS1)

Prepared: 02/19/2016 00:00 Analyzed: 02/19/2016 09:56

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		93	47-139			
Benzene	18		1.0	ug/L	20.0		90	56-136			
Chlorobenzene	17		1.0	ug/L	20.0		86	51-139			
Toluene	17		1.0	ug/L	20.0		83	64-131			
Trichloroethene	19		1.0	ug/L	20.0		97	62-135			
4-Bromofluorobenzene	50			ug/L	50.0		100	41-142			
Dibromofluoromethane	53			ug/L	50.0		105	53-146			
Toluene-d8	52			ug/L	50.0		105	41-146			

Matrix Spike (6B19016-MS1)

Prepared: 02/19/2016 00:00 Analyzed: 02/19/2016 19:11

Source: AZ00761-15

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.94 U	104	47-139			
Benzene	19		1.0	ug/L	20.0	0.71 U	97	56-136			
Chlorobenzene	18		1.0	ug/L	20.0	0.72 U	92	51-139			
Toluene	18		1.0	ug/L	20.0	0.72 U	89	64-131			
Trichloroethene	21		1.0	ug/L	20.0	0.89 U	106	62-135			
4-Bromofluorobenzene	51			ug/L	50.0		101	41-142			
Dibromofluoromethane	55			ug/L	50.0		109	53-146			
Toluene-d8	51			ug/L	50.0		102	41-146			

Matrix Spike Dup (6B19016-MSD1)

Prepared: 02/19/2016 00:00 Analyzed: 02/19/2016 19:38

Source: AZ00761-15

Analyte	Result	Flaq	POL	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	102	47-139	2	16	
Benzene	20		1.0	ug/L	20.0	0.71 U	101	56-136	5	14	
Chlorobenzene	19		1.0	ug/L	20.0	0.72 U	94	51-139	2	13	
Toluene	18		1.0	ug/L	20.0	0.72 U	89	64-131	0.6	16	
Trichloroethene	21		1.0	ug/L	20.0	0.89 U	105	62-135	0.8	20	
4-Bromofluorobenzene	51			ug/L	50.0		103	41-142			
Dibromofluoromethane	53			ug/L	50.0		106	53-146			
Toluene-d8	53			ug/L	50.0		105	41-146			

## Semivolatile Organic Compounds by GC - Quality Control

Batch 6B23023 - EPA 504/8011

Blank (6B23023-BLK1)

Prepared: 02/23/2016 10:29 Analyzed: 02/24/2016 10:39

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							U
1,2-Dibromoethane	0.004	U	0.020	ug/L							U

# QUALITY CONTROL DATA

## Semivolatile Organic Compounds by GC - Quality Control

### Batch 6B23023 - EPA 504/8011 - Continued

#### Blank (6B23023-BLK1) Continued

Prepared: 02/23/2016 10:29 Analyzed: 02/24/2016 10:39

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.22			ug/L	0.250		90	70-130			

#### LCS (6B23023-BS1)

Prepared: 02/23/2016 10:29 Analyzed: 02/24/2016 10:57

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.27		0.020	ug/L	0.250		107	61-139			
1,2-Dibromoethane	0.20		0.020	ug/L	0.250		81	65-133			
1,1,1,2-Tetrachloroethane	0.22			ug/L	0.250		86	70-130			

#### Matrix Spike (6B23023-MS1)

Prepared: 02/23/2016 10:29 Analyzed: 02/24/2016 11:15

#### Source: AZ00977-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.26		0.020	ug/L	0.250	0.012 U	103	61-139			
1,2-Dibromoethane	0.21		0.020	ug/L	0.250	0.004 U	83	65-133			
1,1,1,2-Tetrachloroethane	0.22			ug/L	0.250		89	70-130			

#### Matrix Spike Dup (6B23023-MSD1)

Prepared: 02/23/2016 10:29 Analyzed: 02/24/2016 11:33

#### Source: AZ00977-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.29		0.020	ug/L	0.250	0.012 U	116	61-139	12	12	
1,2-Dibromoethane	0.21		0.020	ug/L	0.250	0.004 U	85	65-133	3	17	
1,1,1,2-Tetrachloroethane	0.22			ug/L	0.250		89	70-130			

## Metals by EPA 6000/7000 Series Methods - Quality Control

### Batch 6B17009 - EPA 7470A

#### Blank (6B17009-BLK1)

Prepared: 02/22/2016 10:32 Analyzed: 02/23/2016 07:36

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

#### LCS (6B17009-BS1)

Prepared: 02/22/2016 10:32 Analyzed: 02/23/2016 07:39

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.97		0.200	ug/L	5.00		99	80-120			

#### Matrix Spike (6B17009-MS1)

Prepared: 02/22/2016 10:32 Analyzed: 02/23/2016 07:46

#### Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.32		0.200	ug/L	5.00	0.0464	106	75-125			

#### Matrix Spike Dup (6B17009-MSD1)

Prepared: 02/22/2016 10:32 Analyzed: 02/23/2016 07:55

#### Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.24		0.200	ug/L	5.00	0.0464	104	75-125	2	20	

# QUALITY CONTROL DATA

## Metals by EPA 6000/7000 Series Methods - Quality Control

### Batch 6B17009 - EPA 7470A - Continued

Post Spike (6B17009-PS1)

Prepared: 02/23/2016 06:00 Analyzed: 02/23/2016 07:58

Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.02		0.200	ug/L	5.61	0.0438	89	80-120			

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

### Batch 6B18004 - EPA 3005A

Blank (6B18004-BLK1)

Prepared: 02/18/2016 06:44 Analyzed: 02/18/2016 10:15

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	1.10	U	20.0	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Barium	20.0	U	100	ug/L							
Beryllium	0.940	U	1.00	ug/L							
Cadmium	1.10	U	3.00	ug/L							
Chromium	4.50	U	10.0	ug/L							
Cobalt	2.10	U	10.0	ug/L							
Copper	2.20	U	10.0	ug/L							
Iron	38.0	U	50.0	ug/L							
Lead	1.60	U	5.00	ug/L							
Nickel	3.20	U	10.0	ug/L							
Selenium	6.50	U	10.0	ug/L							
Silver	0.290	U	1.00	ug/L							
Sodium	0.320	U	1.00	mg/L							
Thallium	0.580	U	1.00	ug/L							
Vanadium	2.00	U	10.0	ug/L							
Zinc	16.0	U	50.0	ug/L							

LCS (6B18004-BS1)

Prepared: 02/18/2016 06:44 Analyzed: 02/18/2016 10:22

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	49.3		20.0	ug/L	50.0		99	80-120			
Arsenic	457		10.0	ug/L	500		91	80-120			
Barium	517		100	ug/L	500		103	80-120			
Beryllium	49.8		1.00	ug/L	50.0		100	80-120			
Cadmium	46.8		3.00	ug/L	50.0		94	80-120			
Chromium	514		10.0	ug/L	500		103	80-120			
Cobalt	524		10.0	ug/L	500		105	80-120			
Copper	484		10.0	ug/L	500		97	80-120			
Iron	982		50.0	ug/L	1000		98	80-120			
Lead	499		5.00	ug/L	500		100	80-120			
Nickel	499		10.0	ug/L	500		100	80-120			
Selenium	439		10.0	ug/L	500		88	80-120			
Silver	48.5		1.00	ug/L	50.0		97	80-120			
Sodium	26.9		1.00	mg/L	25.0		108	80-120			
Thallium	51.0		1.00	ug/L	50.0		102	80-120			
Vanadium	510		10.0	ug/L	500		102	80-120			
Zinc	465		50.0	ug/L	500		93	80-120			

# QUALITY CONTROL DATA

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

Batch 6B18004 - EPA 3005A - Continued

Matrix Spike (6B18004-MS1)

Prepared: 02/18/2016 06:44 Analyzed: 02/18/2016 10:30

Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	49.2		20.0	ug/L	50.0	1.62	95	75-125			
Arsenic	471		10.0	ug/L	500	6.10 U	94	75-125			
Barium	520		100	ug/L	500	22.1	100	75-125			
Beryllium	46.0		1.00	ug/L	50.0	0.940 U	92	75-125			
Cadmium	47.6		3.00	ug/L	50.0	1.10 U	95	75-125			
Chromium	501		10.0	ug/L	500	4.50 U	100	75-125			
Cobalt	496		10.0	ug/L	500	2.10 U	99	75-125			
Copper	475		10.0	ug/L	500	2.20 U	95	75-125			
Iron	1010		50.0	ug/L	1000	45.1	96	75-125			
Lead	493		5.00	ug/L	500	1.60 U	99	75-125			
Nickel	483		10.0	ug/L	500	3.20 U	97	75-125			
Selenium	450		10.0	ug/L	500	6.50 U	90	75-125			
Silver	48.1		1.00	ug/L	50.0	0.290 U	96	75-125			
Sodium	32.8		1.00	mg/L	25.0	6.71	104	75-125			
Thallium	49.3		1.00	ug/L	50.0	0.580 U	99	75-125			
Vanadium	502		10.0	ug/L	500	2.90	100	75-125			
Zinc	464		50.0	ug/L	500	16.0 U	93	75-125			

Matrix Spike Dup (6B18004-MSD1)

Prepared: 02/18/2016 06:44 Analyzed: 02/18/2016 10:33

Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	49.4		20.0	ug/L	50.0	1.62	96	75-125	0.5	20	
Arsenic	481		10.0	ug/L	500	6.10 U	96	75-125	2	20	
Barium	519		100	ug/L	500	22.1	99	75-125	0.3	20	
Beryllium	46.3		1.00	ug/L	50.0	0.940 U	93	75-125	0.6	20	
Cadmium	48.2		3.00	ug/L	50.0	1.10 U	96	75-125	1	20	
Chromium	492		10.0	ug/L	500	4.50 U	98	75-125	2	20	
Cobalt	509		10.0	ug/L	500	2.10 U	102	75-125	3	20	
Copper	490		10.0	ug/L	500	2.20 U	98	75-125	3	20	
Iron	1010		50.0	ug/L	1000	45.1	96	75-125	0.009	20	
Lead	487		5.00	ug/L	500	1.60 U	97	75-125	1	20	
Nickel	487		10.0	ug/L	500	3.20 U	97	75-125	0.8	20	
Selenium	464		10.0	ug/L	500	6.50 U	93	75-125	3	20	
Silver	46.8		1.00	ug/L	50.0	0.290 U	94	75-125	3	20	
Sodium	32.9		1.00	mg/L	25.0	6.71	105	75-125	0.2	20	
Thallium	48.7		1.00	ug/L	50.0	0.580 U	97	75-125	1	20	
Vanadium	502		10.0	ug/L	500	2.90	100	75-125	0.09	20	
Zinc	467		50.0	ug/L	500	16.0 U	93	75-125	0.6	20	

Post Spike (6B18004-PS1)

Prepared: 02/18/2016 09:15 Analyzed: 02/18/2016 10:37

Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	5.11		2.00	ug/L	4.90	0.158	101	80-120			
Arsenic	45.2		1.00	ug/L	49.0	0.0448	92	80-120			
Barium	51.8		10.0	ug/L	49.0	2.17	101	80-120			
Beryllium	4.66		0.100	ug/L	4.90	0.0391	94	80-120			
Cadmium	4.65		0.300	ug/L	4.90	-0.00206	95	80-120			
Chromium	49.6		1.00	ug/L	49.0	-0.00127	101	80-120			
Cobalt	49.7		1.00	ug/L	49.0	0.0768	101	80-120			

# QUALITY CONTROL DATA

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

Batch 6B18004 - EPA 3005A - Continued

Post Spike (6B18004-PS1) Continued

Prepared: 02/18/2016 09:15 Analyzed: 02/18/2016 10:37

Source: AZ00761-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	47.5		1.00	ug/L	49.0	-0.0402	97	80-120			
Iron	95.2		5.00	ug/L	98.0	4.43	93	80-120			
Lead	48.4		0.500	ug/L	49.0	-0.105	99	80-120			
Nickel	47.7		1.00	ug/L	49.0	-0.0739	97	80-120			
Selenium	45.1		1.00	ug/L	49.0	0.0713	92	80-120			
Silver	4.80		0.100	ug/L	4.90	0.00108	98	80-120			
Sodium	3050		100	ug/L	2450	658	98	80-120			
Thallium	4.97		0.100	ug/L	4.90	-0.0185	101	80-120			
Vanadium	47.9		1.00	ug/L	49.0	0.284	97	80-120			
Zinc	46.7		5.00	ug/L	49.0	0.265	95	80-120			

## Classical Chemistry Parameters - Quality Control

Batch 6B17001 - NO PREP

Blank (6B17001-BLK1)

Prepared: 02/17/2016 07:00 Analyzed: 02/17/2016 08:09

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							U

LCS (6B17001-BS1)

Prepared: 02/17/2016 07:00 Analyzed: 02/17/2016 08:25

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		103	90-110			

Matrix Spike (6B17001-MS1)

Prepared: 02/17/2016 10:00 Analyzed: 02/17/2016 11:17

Source: AZ00761-08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	66		5.0	mg/L	50.0	10	111	90-110			QM-07
Nitrate as N	10		1.0	mg/L	10.0	0.052 U	104	90-110			

Matrix Spike (6B17001-MS2)

Prepared: 02/17/2016 10:30 Analyzed: 02/17/2016 12:35

Source: AZ01065-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	59		5.0	mg/L	50.0	3.5	111	90-110			QM-07
Nitrate as N	14		1.0	mg/L	10.0	2.8	107	90-110			

Matrix Spike Dup (6B17001-MSD1)

Prepared: 02/17/2016 10:00 Analyzed: 02/17/2016 11:33

Source: AZ00761-08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	64		5.0	mg/L	50.0	10	108	90-110	2	10	
Nitrate as N	10		1.0	mg/L	10.0	0.052 U	102	90-110	2	10	

Matrix Spike Dup (6B17001-MSD2)

Prepared: 02/17/2016 10:30 Analyzed: 02/17/2016 12:54

Source: AZ01065-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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# QUALITY CONTROL DATA

## Classical Chemistry Parameters - Quality Control

### Batch 6B17001 - NO PREP - Continued

#### Matrix Spike Dup (6B17001-MSD2) Continued

Prepared: 02/17/2016 10:30 Analyzed: 02/17/2016 12:54

Source: AZ01065-03

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	57		5.0	mg/L	50.0	3.5	106	90-110	4	10	
Nitrate as N	13		1.0	mg/L	10.0	2.8	103	90-110	3	10	

### Batch 6B18036 - NO PREP

#### Blank (6B18036-BLK1)

Prepared: 02/18/2016 16:47 Analyzed: 02/21/2016 09:25

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 (6B18036-BS1)

Prepared: 02/18/2016 16:47 Analyzed: 02/21/2016 09:25

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	970		10	mg/L	1000		97	90-110			

#### Duplicate (6B18036-DUP1)

Prepared: 02/18/2016 16:47 Analyzed: 02/21/2016 09:25

Source: AZ00847-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	350		10	mg/L		360			2	5	

### Batch 6B19009 - NO PREP

#### Blank (6B19009-BLK1)

Prepared: 02/19/2016 09:01 Analyzed: 02/19/2016 09:50

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							U

#### LCS (6B19009-BS1)

Prepared: 02/19/2016 09:01 Analyzed: 02/19/2016 09:51

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		103	90-110			

#### Matrix Spike (6B19009-MS1)

Prepared: 02/19/2016 09:01 Analyzed: 02/19/2016 10:18

Source: AZ01099-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.2		0.020	mg/L	1.00	0.13	104	90-110			

#### Matrix Spike (6B19009-MS2)

Prepared: 02/19/2016 09:01 Analyzed: 02/19/2016 09:54

Source: AZ01084-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00	0.010	103	90-110			

#### Matrix Spike Dup (6B19009-MSD1)

Prepared: 02/19/2016 09:01 Analyzed: 02/19/2016 10:19

Source: AZ01099-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.2		0.020	mg/L	1.00	0.13	104	90-110	0	10	

**FLAGS/NOTES AND DEFINITIONS**

<b>PQL</b>	PQL: Practical Quantitation Limit.
<b>B</b>	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
<b>I</b>	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
<b>J</b>	Estimated value.
<b>K</b>	Off-scale low; Actual value is known to be less than the value given.
<b>L</b>	Off-scale high; Actual value is known to be greater than value given.
<b>M</b>	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
<b>N</b>	Presumptive evidence of presence of material.
<b>O</b>	Sampled, but analysis lost or not performed.
<b>Q</b>	Sample exceeded the accepted holding time.
<b>T</b>	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.
<b>U</b>	Indicates that the compound was analyzed for but not detected.
<b>V</b>	Indicates that the analyte was detected in both the sample and the associated method blank.
<b>Y</b>	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
<b>Z</b>	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
<b>?</b>	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.
<b>*</b>	Not reported due to interference.
<b>QL-02</b>	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
<b>QM-07</b>	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
<b>QV-01</b>	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

## ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name <b>Angel's Recycled Materials (AN010)</b>		Project Number <b>87895</b>		<div>8011</div> <div>8260B Appendix 1 FL</div> <div>Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Ni, Pb, Sb, Se, Ti, V, Zn, Hg</div> <div>Ammonia 350.1</div> <div>Chloride 300</div> <div>Nitrate as N 300</div> <div>TDs SM2540C</div>		Requested Turnaround Times	
Address <b>41111 Enterprise Road</b>		Project Name/Desc <b>ENTERPRISE LF &amp; RECYC (FKA SID LARKIN &amp; SON, INC.)</b>				Note: Rush requests subject to acceptance by the facility	
City/ST/Zip <b>Dade City, FL 33525</b>		PO # / Billing Info				<input checked="" type="checkbox"/> Standard	
Tel <b>(352) 521-3607</b>		Reporting Contact <b>Walker Wrenn</b>				<input type="checkbox"/> Expedited	
Fax		Billing Contact <b>John Arnold</b>				Due <u>    </u> / <u>    </u> / <u>    </u>	
Sampler(s) Name, Affiliation (Print) <b>Chris Monaco Ideal Tech services Inc.</b>		Site Location / Time Zone <b>FL/EST</b>		Lab Work Order <b>A201096</b>			
Sampler(s) Signature 							

[illegible]

Sample Kit Prepared By <b>SR</b>	Date/Time <b>02/05/16 1506</b>	Relinquished By 	Date/Time <b>02/05/16 1506</b>	Received By 	Date/Time <b>2-6-16 1230</b>
Comments/Special Reporting Requirements	Relinquished By 	Date/Time <b>2/6/16 150</b>	Received By 	Date/Time <b>02/17/16 910</b>	
	Relinquished By 	Date/Time	Received By 	Date/Time	
	Cooler #'s & Temps on Receipt <b>C-724 0.9°C</b>			Condition Upon Receipt <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	

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

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

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