

Gage, Hannah

From: Johnson, Lindsay
Sent: Monday, August 14, 2017 10:51 AM
To: 'Wages Jeff'
Cc: Cummins Jon; Arnold Anthony; Yates, Adam; Leamons, Bryan; McWilliams, Carrie; 'helenawater@sbcglobal.net'; Gage, Hannah
Subject: AR0043389_United Initiators ARP001013 early August 2017 semi annual Pretreatment report_20170814
Attachments: CFR 414 semi annual report.pdf; Certification Statement.pdf; United Initiators data.pdf; United Initiators data2.pdf

Jeff,

United Initiator's August 2017 semi-annual Pretreatment report was received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the Organic Chemical, Plastics and Synthetic Fibers standards in 40 CFR 414.111.

No further action is required at this time,

Sincerely,

Lindsay Johnson
NPDES Staff Engineer
ADEQ-Office of Water Quality
(501)682-0045

From: Wages Jeff [<mailto:Jeff.Wages@united-in.com>]
Sent: Tuesday, July 25, 2017 8:05 AM
To: Yates, Adam; Johnson, Lindsay
Cc: Cummins Jon; Arnold Anthony
Subject: United Initiators Waste Water Report August 2017

Dear Mr. Yates,

In accordance with 40 CFR Part 403.12(e) industrial users with processes regulated by categorical pretreatment standards (40 CFR Part 414, et al), please find attached our most recent monitoring report for the wastewater discharged from the United Initiators, Inc. facility in Helena, Arkansas. Also attached are two sets of wastewater analytical reports and certification statement.

Please contact me by phone at 870.572.2935 ext. 307 or by e-mail at jeff.wages@united-in.com if you have any questions or require additional information regarding this report.

Best Regards,

Jeff Wages
Regulatory Manager
Phone : +1 (870) 572-2935 Ext. 307
Fax: +1 (870) 572-1416
Mobile: +1 (870) 995-3443
jeff.wages@united-in.com

UNITED INITIATORS, INC
334 Phillips 311 Road
Helena, AR 72342

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 414

Return to: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

**United Initiators, Inc.
334 Phillips 311 Road
Helena, AR 72342-9033**

B. FACILITY & LOCATION ADDRESS

**United Initiators, Inc.
334 Phillips 311 Road
Helena, AR 72342-9033**

C. FACILITY CONTACT: **Jeff Wages**
e-mail address jeff.wages@united-in.com

TELEPHONE NUMBER: **870.572.2935 x307**

(2) REPORTING PERIOD

A. MONTHS WHICH REPORTS ARE DUE

February & August

B. PERIOD COVERED BY THIS REPORT

FROM: **February 2017** TO: **August 2017**

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

Specify Category and Sub-Categor(ies)

Check each applicable Subpart

- 9 Subpart A--General
- 9 Subpart B--Rayon Fibers
- 9 Subpart C--Other Fibers
- 9 Subpart D--Thermoplastic Resins
- 9 Subpart E--Thermosetting Resins
- 9 Subpart F--Commodity Organic Chemicals
- 9 Subpart G--Bulk Organic Chemicals
- : Subpart H--Specialty Organic Chemicals

B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

C. Number of Regular Employees at this Facility 49

(4) FLOW MEASUREMENT

A. Total Plant Flow to POTW in Gallons per Day

Average: 56,220 gpd Maximum: 59,880 gpd

40CFR414 SEMI-ANNUAL REPORT CON'D FACILITY NAME: United Initiators, Inc.

(4) FLOW MEASUREMENT (CON'D)

B. INDIVIDUAL PROCESS FLOWS IN GALLONS PER DAY

Process	Average Flow Rate (gpd)	Maximum Flow Rate (gpd)	Type of Discharge (Batch, etc)
Regulated	55,401	59,007	Batch & continuous
Unregulated*			
Cooling Water			
**Sanitary	820	873	

*"Unregulated" has a precise legal meaning; see 40CFR403.6(c).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- G Neutralization
- G Chemical Precipitation and Sedimentation
- Biological
- G Cyanide Destruction
- G Other _____
- G None

B. COMMENTS

Two aerated ponds with a total surface area of ~6.5 acres.

**** Sanitary plus dilution from rain water equals ~0.92.**

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS ON THE EFFLUENT FROM ALL REGULATED PROCESSES--CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

CFR 414	PSES and PSNS Limits (ug/l)			
	**Max for any 1 day	**Max for any monthly avg	Measured Max for any 1 day (ug/l)	Measured Max for any monthly avg (ug/l)
Effluent characteristics				
Acenaphthene	44	18	<2.00	<2.00
Anthracene	44	18	<2.00	<2.00
Benzene	124	53	2.15	2.15
Bis(2-ethylhexyl) phthalate	239	88	<10.0	<10.0
Carbon Tetrachloride	352	132	<1.00	<1.00
Chlorobenzene	352	132	<1.00	<1.00
Chloroethane	273	102	<1.00	<1.00
Chloroform	301	103	<1.00	<1.00
Di-n-butyl phthalate	40	19	<5.00	<5.00
1,2-Dichlorobenzene	735	182	2.61	2.61
1,3-Dichlorobenzene	352	132	<1.00	<1.00
1,4-Dichlorobenzene	352	132	<1.00	<1.00
1,1-Dichloroethane	55	20	<1.00	<1.00

40CFR414 SEMI-ANNUAL REPORT CON'D FACILITY NAME: United Initiators, Inc.

1,2-Dichloroethane	532	167	<1.00	<1.00
1,1-Dichloroethylene	56	20	<1.00	<1.00
1,2-trans-Dichloroethylene	61	23	<1.00	<1.00
1,2-Dichloropropane	735	182	<1.00	<1.00
1,3-Dichloropropylene	735	182	<1.00	<1.00
Diethyl phthalate	105	43	<5.00	<5.00
Dimethyl phthalate	44	18	<5.00	<5.00
4,6-Dinitro-o-cresol	257	72	<10000	<10000
Ethylbenzene	352	132	<1.00	<1.00
Fluoranthene	50	20	<2.00	<2.00
Fluorene	44	18	<2.00	<2.00
Hexachlorobenzene	735	182	<5.00	<5.00
Hexachlorobutadiene	352	132	<5.00	<5.00
Hexachloroethane	735	182	<5.00	<5.00
Methyl Chloride	273	102	<1.00	<1.00
Methylene Chloride	157	33	<10.0	<10.0
Naphthalene	44	18	<2.00	<2.00
Nitrobenzene	5,930	2,072	<5.00	<5.00
2-Nitrophenol	214	60	<5000	<5000
4-Nitrophenol	534	150	<20000	<20000
Phenanthrene	44	18	<2.00	<2.00
Pyrene	44	19	<2.00	<2.00
Tetrachloroethylene	152	48	<1.00	<1.00
Toluene	69	26	<5.00	<5.00
Total Cyanide	1,112	389	6.00	6.00
Total Lead	57.6	57.6	<0.500	<0.500
Total Zinc ²	134.4	134.4	39.2	39.2
1,2,4-Trichlorobenzene	735	182	<5.00	<5.00
1,1,1-Trichloroethane	55	20	<1.00	<1.00
1,1,2-Trichloroethane	118	30	<1.00	<1.00
Trichloroethylene	64	24	<1.00	<1.00
Vinyl Chloride	159	90	<1.00	<1.00

(7) GENERAL COMMENTS

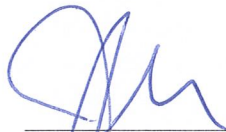
*Analysis results for Total Zinc and Total Lead are from process water samples taken of process waste water prior to entering United Initiators' waste water treatment system (Report Number: 17-192-0220).

(8) SIGNATORY REQUIREMENTS

I certify under penalty of law that I have personally examined and am familiar with the information in this semi-annual compliance report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Jon Cummins

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

Vice President of Operations

OFFICIAL TITLE

7/24/2012

DATE SIGNED

334 Phillips 311 Road
Industrial Park Road
Helena, Arkansas 72342-9033

Customer Service: (800) 786-6722
Customer Service Fax: (800) 987-0845
Phone: (870) 572-2935
Fax: (870) 572-1416

July 25, 2017

Adam Yates
ADEQ Water Division
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317

Dear Mr. Yates:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Jon Cummins
Vice President of Operations

6/1/2017

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton, AR, 72018

Ref: Analytical Testing
Lab Report Number: 17-143-0310
Client Project Description: United Initiators, SPI, Inc.
Semi-annual Sampling

Dear Ms. Mia Dixon:

Waypoint Analytical, Inc. received sample(s) on 5/23/2017 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

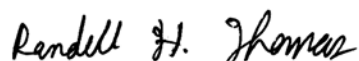
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Randy Thomas
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama #40750	Louisiana #04015	VA NELAP #460181	Texas #T104704180-11-6	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	Virginia #00106
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #41	



Client: Rineco Analytical Services
Project: United Initiators, SPI, Inc.
Lab Report Number: 17-143-0310
Date: 6/1/2017

CASE NARRATIVE

Semivolatile Organic Compounds - GC/MS Method EPA-625

Sample 93595 (Composite 5/22-23/17)

QC Batch No: L334952

Surrogates were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the low recoveries were due to the sample matrix.

Sample 93596 (Composite 5/22-23/17)

QC Batch No: L334952

Surrogate(s) flagged for recovery outside QC limits in this project sample due to a required dilution. The dilution factor resulted in surrogate concentration(s) below the minimum detectable level. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

QC Batch No: L334952

Sample requires dilution due to high levels of target and/or non-target analytes.

Extraction and Conc. for 625 Method EPA-625 (PREP)

QC Batch No: L334777

This sample extract was unable to be concentrated to the default method final volume. The final volume adjustment due to viscous extracts may result in surrogate recoveries below the minimum detectable concentration.

05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information : Semi-annual Sampling

Report Date : 06/01/2017
Received : 5/23/2017

Report Number : **17-143-0310**

REPORT OF ANALYSIS

Lab No : **93594**
Sample ID : **Grab**

Matrix: **Aqueous**
Sampled: **5/23/2017 11:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	6.00	µg/L	5.00	1	05/25/17 11:58	EWB	4500CNE-2011

**Qualifiers/
Definitions**

* Outside QC limit
MQL Method Quantitation Limit

DF Dilution Factor

05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information : Semi-annual Sampling

Report Date : 06/01/2017
Received : 5/23/2017

Report Number : **17-143-0310**

REPORT OF ANALYSIS

Lab No : **93594**
Sample ID : **Grab**

Matrix: **Aqueous**
Sampled: **5/23/2017 11:00**

Analytical Method: 624 **Prep Batch(es):** **L334654** 05/25/17 08:37
Prep Method: EPA-624 (PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	2.15	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Carbon Tetrachloride	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Chlorobenzene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Chloroethane	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Chloroform	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Methyl Chloride	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,2-Dichlorobenzene	2.61	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,1-Dichloroethane	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,2-Dichloroethane	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,1-Dichloroethylene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,2-trans-Dichloroethylene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,2-Dichloropropane	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
1,3-Dichloropropylene	<1.00	µg/L	1.00	1	05/25/17 15:14		L334655
Ethylbenzene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Methylene Chloride	<10.0	µg/L	10.0	1	05/25/17 15:14	AGH	L334655
Tetrachloroethylene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Toluene	<5.00	µg/L	5.00	1	05/25/17 15:14	AGH	L334655
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655

Qualifiers/ Definitions * Outside QC limit DF Dilution Factor
 MQL Method Quantitation Limit

05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information : Semi-annual Sampling

Report Date : 06/01/2017
Received : 5/23/2017

Report Number : **17-143-0310**

REPORT OF ANALYSIS

Lab No : **93594**
Sample ID : **Grab**

Matrix: **Aqueous**
Sampled: **5/23/2017 11:00**

Analytical Method: 624 **Prep Batch(es):** **L334654** 05/25/17 08:37
Prep Method: EPA-624 (PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Trichloroethylene	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Vinyl Chloride	<1.00	µg/L	1.00	1	05/25/17 15:14	AGH	L334655
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 71-131%	1	05/25/17 15:14	AGH	L334655
Surrogate: Dibromofluoromethane	88.0		Limits: 70-128%	1	05/25/17 15:14	AGH	L334655
Surrogate: 1,2-Dichloroethane - d4	86.6		Limits: 67-136%	1	05/25/17 15:14	AGH	L334655
Surrogate: Toluene-d8	94.0		Limits: 70-130%	1	05/25/17 15:14	AGH	L334655

Qualifiers/ * Outside QC limit DF Dilution Factor
Definitions MQL Method Quantitation Limit

05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information : Semi-annual Sampling

Report Date : 06/01/2017
Received : 5/23/2017

Report Number : **17-143-0310**

REPORT OF ANALYSIS

Lab No : **93595**

Matrix: **Aqueous**

Sample ID : **Composite 5/22-23/17**

Sampled: **5/23/2017 0:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	6.61	µg/L	2.50	5	05/30/17 15:03	CCR	EPA-200.8
Total Zinc	326	µg/L	25.0	5	05/30/17 15:03	CCR	EPA-200.8

**Qualifiers/
Definitions**

* Outside QC limit
MQL Method Quantitation Limit

DF Dilution Factor

05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information : Semi-annual Sampling

Report Date : 06/01/2017
Received : 5/23/2017

Report Number : **17-143-0310**

REPORT OF ANALYSIS

Lab No : **93595**

Matrix: **Aqueous**

Sample ID : **Composite 5/22-23/17**

Sampled: **5/23/2017 0:00**

Analytical Method: 625 **Prep Batch(es):** **L334777** 05/26/17 10:00

Prep Method: 625

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
Anthracene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
Bis(2-ethylhexyl)phthalate	<10.0	µg/L	10.0	1	05/26/17 18:01	CGC	L334952
Diethyl phthalate	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Dimethyl phthalate	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Di-n-butyl phthalate	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Fluoranthene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
Fluorene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
Hexachlorobenzene	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Hexachlorobutadiene	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Hexachloroethane	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Naphthalene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
Nitrobenzene	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Phenanthrene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
Pyrene	<2.00	µg/L	2.00	1	05/26/17 18:01	CGC	L334952
1,2,4-Trichlorobenzene	<5.00	µg/L	5.00	1	05/26/17 18:01	CGC	L334952
Surrogate: 2-Fluorobiphenyl	24.6 *		Limits: 38-107%	1	05/26/17 18:01	CGC	L334952
Surrogate: Nitrobenzene-d5	70.1		Limits: 29-105%	1	05/26/17 18:01	CGC	L334952
Surrogate: 4-Terphenyl-d14	24.2 *		Limits: 30-130%	1	05/26/17 18:01	CGC	L334952

Qualifiers/ * Outside QC limit DF Dilution Factor
Definitions MQL Method Quantitation Limit

05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information : Semi-annual Sampling

Report Date : 06/01/2017
Received : 5/23/2017

Report Number : **17-143-0310**

REPORT OF ANALYSIS

Lab No : **93596**

Matrix: **Aqueous**

Sample ID : **Composite 5/22-23/17**

Sampled: **5/23/2017 0:00**

Analytical Method: 625 **Prep Batch(es):** **L334777** 05/26/17 10:00

Prep Method: 625

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4,6-Dinitro-o-cresol	<10000	µg/L	10000	100	05/26/17 22:27	CGC	L334952
2-Nitrophenol	<5000	µg/L	5000	100	05/26/17 22:27	CGC	L334952
4-Nitrophenol	<20000	µg/L	20000	100	05/26/17 22:27	CGC	L334952
Surrogate: 2-Fluorophenol	0 *		Limits: 8-88%	100	05/26/17 22:27	CGC	L334952
Surrogate: Phenol-d6	6.14 *		Limits: 7-58%	100	05/26/17 22:27	CGC	L334952
Surrogate: 2,4,6-Tribromophenol	7.99 *		Limits: 16-138%	100	05/26/17 22:27	CGC	L334952

**Qualifiers/
Definitions**

* Outside QC limit
MQL Method Quantitation Limit

DF Dilution Factor

Cooler Receipt Form

Customer Number: **05424**

Customer Name: **Rineco Analytical Services**

Report Number: **17-143-0310**

Shipping Method

Fed Ex US Postal Lab Other :
 UPS Client Courier Thermometer ID: #8

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)		<input type="checkbox"/> Low concentration EnCore samplers (48 hr)	
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)		<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



Rineco Analytical Services
United Initiators, SPI, Inc.

17-143-0310
05424
05-23-2017
14:31:03

CHAIN-OF-CUSTODY

Kit ID: 0000064710
Initiated By: Randy Thomas
Project Comment

Company Name Rineco Analytical Services		Company Number 05424		Client Project Manager/Contact Rineco Analytical Services			Purchase Order Number	
Site Name United Initiators, SPI, Inc.		Project Number		<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed			Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	
LIMS Project ID Rineco - Semi-annual		Project Manager Phone # (501) 778-9089		Project Manager Email			Site/Facility ID #	
Date	Time	Sample ID	Matrix	Grab/Comp	# of Cont	Container Type	Preservation	Analyses
5-23-17	1100	Grab	Aqueous	G	3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	VOC
↓	↓	Grab	Aqueous	G	1	Plastic - Pint	NaOH - Sodium Hydroxide	CNT
5-23-17	22	Composite	Aqueous	C	1	Plastic - Pint	HNO3 - Nitric Acid	Pb/Zn
↓	↓	Composite	Aqueous	C	2	Glass Amber - Liter	Na2S2O3 - Sodium Thiosulfate	SVOC

For Laboratory Use Only			Sampled by (Name - Print)		Client Remarks/Comments					
Ice	Custody Seals	Lab Comments	<i>J. Qualls</i>							
<i>Y/N</i>	<i>Y/N</i>		Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)		Date	Time
			Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)		Date	Time
Blank/Cooler Temp			Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)		Date	Time
	<i>78</i>		<i>J. Qualls</i>	<i>5-23-17</i>	<i>1410</i>	<i>J. Qualls</i>	<i>5-23-17</i>	<i>1410</i>	<i>5-23-17</i>	

7/12/2017

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton, AR, 72018

Ref: Analytical Testing
Lab Report Number: 17-192-0220
Client Project Description: United Initiators, SPI, Inc.

Dear Ms. Mia Dixon:
Waypoint Analytical, Inc. received sample(s) on 7/11/2017 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

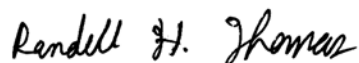
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Randy Thomas
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama #40750	Louisiana #04015	VA NELAP #460181	Texas #T104704180-11-6	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	Virginia #00106
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #41	



05424

Rineco Analytical Services
Ms. Mia Dixon
P O Box 729
Benton , AR 72018

Project United Initiators, SPI, Inc.
Information :

Report Date : 7/12/2017

Report Number : **17-192-0220**

REPORT OF ANALYSIS

Received : 7/11/2017

Lab No : **94605**

Matrix: **Aqueous**

Sample ID : **Process Water**

Sampled: **7/10/2017 8:53**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.500	µg/L	0.500	1	07/12/17 14:32	BKN	EPA-200.8
Total Zinc	39.2	µg/L	5.00	1	07/12/17 14:32	BKN	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Cooler Receipt Form

Customer Number: **05424**

Customer Name: **Rineco Analytical Services**

Report Number: **17-192-0220**

Shipping Method

Fed Ex
 US Postal
 Lab
 Other :
 UPS
 Client
 Courier
 Thermometer ID: #21

Shipping container/cooler uncompromised? Yes No

Number of coolers received

Custody seals intact on shipping container/cooler? Yes No Not Required

Custody seals intact on sample bottles? Yes No Not Required

Chain of Custody (COC) present? Yes No

COC agrees with sample label(s)? Yes No

COC properly completed Yes No

Samples in proper containers? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test(s)? Yes No

All samples received within holding time? Yes No

Cooler temperature in compliance? Yes No

Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun. Yes No

Water - Sample containers properly preserved Yes No N/A

Water - VOA vials free of headspace Yes No N/A

Trip Blanks received with VOAs Yes No N/A

Soil VOA method 5035 – compliance criteria met Yes No N/A

High concentration container (48 hr) Low concentration EnCore samplers (48 hr)

High concentration pre-weighed (methanol -14 d) Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included? Yes No

Comments:

Signature:

Date & Time:



Rineco Analytical Services
United Initiators, SPI, Inc.

17-192-0220
05424
07-11-2017
09:23:06

Kit ID: 000082054
Initiated By: Erin Harris
Project Comment

CHAIN-OF-CUSTODY

Company Name Rineco Analytical Services		Company Number 05424		Client Project Manager/Contact Mr. Jeff Wages/United Initiators		Purchase Order Number		
Site Name Waste Water		Project Number		<input checked="" type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed		Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other		
LIMS Project ID		Project Manager Phone # (501) 778-9089		Project Manager Email <i>jeff.wages@united-in.com</i>		Site/Facility ID #		
Date	Time	Sample ID	Matrix	Grab/Comp	# of Cont	Container Type	Preservation	Analyses
<i>7/10/17</i>	<i>08:53</i>	<i>Process Water</i>	<i>Aqueous</i>	<i>☞</i>	<i>1</i>	<i>Plastic - Pint</i>	<i>HNO3 - Nitric Acid</i>	<i>Zn, Pb</i>

For Laboratory Use Only			Sampled by (Name - Print)	Client Remarks/Comments				
Ice	Custody Seals	Lab Comments	<i>Jeff Wages</i>					
<i>Y/N</i>	<i>Y/N</i>		Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
			<i>Jeff Wages</i>	<i>7/10/17</i>	<i>09:30</i>			
			Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
Blank/Cooler Temp			Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
<i>25.10C MAP</i>					<i>Jeff Wages</i>	<i>7/11/17</i>	<i>09:23</i>	