

## Wilson, Tabatha

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**From:** Gilliam, Allen  
**Sent:** Friday, August 29, 2014 3:00 PM  
**To:** Jeff Wages  
**Cc:** Jon.Cummins@united-in.com; Healey, Richard; Fuller, Kim; Wilson, Tabatha; helenawater@sbcglobal.net  
**Subject:** AR0043389\_United Initiators ARP001013 non compliant August 2014 semi annual Pretreatment report with ADEQ reply\_20140829  
**Attachments:** CFR 414 semi annual report.doc; United Initiators SPI Inc 14-107-0271 20140423 report\_far\_2955612-342.pdf; United Initiators SPI Inc 14-105-0215 20140421 report\_far\_2951752-340.pdf

Jeff,

United Initiator's August 2014 semi-annual report was electronically received, deemed incomplete and non-compliant.

The analyticals (2<sup>nd</sup> two attachments) just received were from United Initiators' (UI) April report in response to non-compliance found in UI's February 2014 semi-annual report. UI's reporting months are February and August of each year.

Please submit a corrected semi-annual report for the month of August within twenty (20) working days from the date on this correspondence with the recent contract lab's analysis of the parameters UI is limited for under 40 CFR 414.11.

Please use the attached/corrected form (1<sup>st</sup> attachment) previously sent you sometime back in the April time frame. If you'll remember, we had a lengthy conversation about this corrected report.

If there are any questions please feel free to contact this office.

Sincerely,

Allen Gilliam  
ADEQ State Pretreatment Coordinator  
501.682.0625

ec: Terry McGinnister, Helena General Manager  
Richard Healey, NPDES Enforcement Coordinator

E/NPDES/NPDES/Pretreatment/Reports

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**From:** Jeff Wages [<mailto:Jeff.Wages@united-in.com>]  
**Sent:** Thursday, August 28, 2014 3:52 PM  
**To:** Gilliam, Allen  
**Cc:** [Jon.Cummins@united-in.com](mailto:Jon.Cummins@united-in.com)  
**Subject:** United Initiators Wastewater Report August 2014

Dear Mr. Gilliam,

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 SPI, Inc. facility in Helena, Arkansas. Also attached are two sets of wastewater analytical results and some supplemental information.

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

<<United Initiators SPI Inc 14-107-0271 20140423 report\_far\_2955612-342.PDF>> <<United Initiators SPI Inc 14-105-0215 20140421 report\_far\_2951752-340.PDF>>

<<United Initiators Wastewater Report 1408.pdf>> <<United Initiators Wastewater Report 1408 supplemental informati.pdf>>

Best Regards,

***Jeff Wages***

*Regulatory Manager*

Phone : +1 (870) 572-3297 Ext. 307

Fax: +1 (870) 572-1416

Mobile: +1 (870) 995-3443

[jeff.wages@united-in.com](mailto:jeff.wages@united-in.com)

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

[www.united-initiators.com](http://www.united-initiators.com)

This e-mail transmission, and any documents, files or previous e-mail messages attached to it may contain information that is confidential or legally privileged. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution or use of any of the information contained in or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender by telephone or return e-mail and delete the original transmission and its attachments without reading or saving in any manner. Thank you.



**40CFR414 SEMI-ANNUAL REPORT CON'D FACILITY NAME:** \_\_\_\_\_

**(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			
Unregulated*			
Cooling Water			
Sanitary			

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

**(5) MEASUREMENT OF POLLUTANTS**

A. TYPE OF TREATMENT SYSTEM	B. COMMENTS ON TREATMENT SYSTEM
<p>CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Neutralization</p> <p><input type="checkbox"/> Chemical Precipitation and Sedimentation</p> <p><input type="checkbox"/> Biological</p> <p><input type="checkbox"/> Cyanide Destruction</p> <p><input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> None</p>	

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)		Measured Max for any 1 day (ug/l)	Measured Max for any <u>monthly</u> avg (ug/l)
	Max for any 1 day	Max for any monthly avg		
<b>Effluent characteristics</b>				
Acenaphthene	47	19		
Anthracene	47	19		
Benzene	134	57		
Bis(2-ethylhexyl) phthalate	258	95		
Carbon Tetrachloride	380	142		
Chlorobenzene	380	142		
Chloroethane	295	110		
Chloroform	325	111		
Di-n-butyl phthalate	43	20		
1,2-Dichlorobenzene	794	196		
1,3-Dichlorobenzene	380	142		
1,4-Dichlorobenzene	380	142		
1,1-Dichloroethane	59	22		

**40CFR414 SEMI-ANNUAL REPORT CON'D FACILITY NAME:** \_\_\_\_\_

1,2-Dichloroethane	574	180		
1,1-Dichloroethylene	60	22		
1,2-trans-Dichloroethylene	66	25		
1,2-Dichloropropane	794	196		
1,3-Dichloropropylene	794	196		
Diethyl phthalate	113	46		
Dimethyl phthalate	47	19		
4,6-Dinitro-o-cresol	277	78		
Ethylbenzene	380	142		
Fluoranthene	54	22		
Fluorene	47	19		
Hexachlorobenzene	794	196		
Hexachlorobutadiene	380	142		
Hexachloroethane	794	196		
Methyl Chloride	295	110		
Methylene Chloride	170	36		
Naphthalene	47	19		
Nitrobenzene	6,402	2,237		
2-Nitrophenol	231	65		
4-Nitrophenol	576	162		
Phenanthrene	47	19		
Pyrene	48	20		
Tetrachloroethylene	164	52		
Toluene	74	28		
Total Cyanide	1,200	420		
Total Lead	690	320		
Total Zinc <sup>2</sup>	2,610	1,050		
1,2,4-Trichlorobenzene	794	196		
1,1,1-Trichloroethane	59	22		
1,1,2-Trichloroethane	127	32		
Trichloroethylene	69	26		
Vinyl Chloride	172	97		

(7) GENERAL COMMENTS

(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.

\_\_\_\_\_  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
OFFICIAL TITLE

\_\_\_\_\_  
DATE SIGNED

4/23/2014

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

Ref: Analytical Testing  
ETC Report Number: 14-107-0271  
Client Project Description: United Initiators, SPI, Inc.

Dear Ms. Mia Dixon:

Environmental Testing and Consulting, Inc. received sample(s) on 4/17/2014 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.

Per EPA Methods Update Rule (May 2012), all methods from Standard Methods for the Examination of Water and Wastewater are reported to include the year of approval.

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	Kansas #E-10396





# ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

05424

Rineco Analytical Services

Ms. Mia Dixon

P O Box 729

Benton , AR 72018

Project United Initiators, SPI, Inc.

Information :

Report Date : 4/23/2014

Report Number : **14-107-0271**

## REPORT OF ANALYSIS

Received : 4/17/2014

Lab No : **94968**

Sample ID : **Effluent**

Matrix: **Aqueous**

Sampled: **4/16/2014 10:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<2.50	µg/L	2.50	5	04/21/14 17:16	RQE	EPA-200.8
Total Zinc	<25.0	µg/L	25.0	5	04/21/14 17:16	RQE	EPA-200.8

### 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: **14-107-0271**

**Shipping Method**

Fed Ex    UPS    US Postal    Client    Lab    Courier    Other :

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
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 type="radio"/> Yes	<input checked="" 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:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature:

Date & Time:



# ENVIRONMENTAL TESTING & CONSULTING, INC.

Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440

www.etcplus.com



14-107-0271  
05424  
04-17-2014  
12:50:46

Rineco Analytical Services  
United Initiators, SPI, Inc.

Company Name Rineco Analytical Services		Customer Number 05424	Telephone (870) 572-3297	RUSH	ICE		
Site Name United Initiators SPI, Inc.		Project Comment Process Waste Water			FID Number		
Project Process Waste Water		Project Number	PO Number				
Project Manager / Contact Mr. Jeff Wages United Initiators SPI		E-mail					
Sample ID	Container Type	Collected Date / Time	# Cont	Preservative	Grab / Comp	Matrix	Analyses
Process Waste Water	Plastic - Pint	4-16-2014 10:30 AM	1	HNO3 - Nitric Acid		Aqueous	Pb, Zn

Sampled By Jeff Wages	Method of Shipment	Blank / Cooler Temperature NA	Remarks
Relinquished By (sign) Jeff Wages	Date / Time 4-16-2014 11:43 AM	Received By (sign)	Date / Time
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time
Relinquished By (sign)	Date / Time	Received by Lab (sign) RR	Date / Time 4/17/14-0955

4/21/2014

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

Ref: Analytical Testing  
ETC Report Number: 14-105-0215  
Client Project Description: United Initiators, SPI, Inc.  
40 CFR Part 414.111

Dear Ms. Mia Dixon:

Environmental Testing and Consulting, Inc. received sample(s) on 4/15/2014 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.

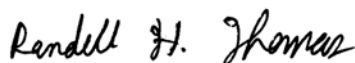
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established 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.

Per EPA Methods Update Rule (May 2012), all methods from Standard Methods for the Examination of Water and Wastewater are reported to include the year of approval.

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	Kansas #E-10396



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Client: Rineco Analytical Services  
Project: United Initiators, SPI, Inc.  
Lab Report Number: 14-105-0215  
Date: 4/21/2014

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**CASE NARRATIVE**

**Semivolatile Organic Compounds - GC/MS Method EPA-625**

Sample 94437 (Composite 4/14-15/14)

QC Batch No: L196340

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.

QC Batch No: L196340

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



05424

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

Project United Initiators, SPI, Inc.  
Information : 40 CFR Part 414.111

Report Date : 04/21/2014  
Received : 4/15/2014

Report Number : **14-105-0215**

### REPORT OF ANALYSIS

Lab No : **94436**  
Sample ID : **Grab**

Matrix: **Aqueous**  
Sampled: **4/15/2014 12:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Cyanide	<0.010	mg/L	0.010	1	04/16/14 10:00	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 : 40 CFR Part 414.111

Report Date : 04/21/2014  
Received : 4/15/2014

Report Number : **14-105-0215**

**REPORT OF ANALYSIS**

Lab No : **94436**  
Sample ID : **Grab**

Matrix: **Aqueous**  
Sampled: **4/15/2014 12:05**

**Analytical Method:** 624

**Prep Method:** EPA-624 (PREP)

**Prep Batch(es):** L196222

**Date/Time Prepped:** 4/15/2014 08:00:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<b>4.54</b>	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Carbon Tetrachloride	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Chlorobenzene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Chloroform	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Methyl Chloride	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,1-Dichloroethane	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,2-Dichloroethane	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,1-Dichloroethylene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,2-trans-Dichloroethylene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,2-Dichloropropane	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,3-Dichloropropylene	<1.00	µg/L	1.00	1	04/15/14 19:02		L196224
Ethylbenzene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Methylene Chloride	<10.0	µg/L	10.0	1	04/15/14 19:02	ACS	L196224
Tetrachloroethylene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Toluene	<5.00	µg/L	5.00	1	04/15/14 19:02	ACS	L196224
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Trichloroethylene	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224

**Qualifiers/** \* Outside QC limit  
**Definitions** I Recovery out of range

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 : 40 CFR Part 414.111

Report Date : 04/21/2014  
Received : 4/15/2014

Report Number : **14-105-0215**

### REPORT OF ANALYSIS

Lab No : **94436**  
Sample ID : **Grab**

Matrix: **Aqueous**  
Sampled: **4/15/2014 12:05**

**Analytical Method:** 624

**Prep Method:** EPA-624 (PREP)

**Prep Batch(es):** L196222

**Date/Time Prepped:** 4/15/2014 08:00:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Vinyl Chloride	<1.00	µg/L	1.00	1	04/15/14 19:02	ACS	L196224
Surrogate: 4-Bromofluorobenzene	101		Limits: 71-131%	1	04/15/14 19:02	ACS	L196224
Surrogate: Dibromofluoromethane	100		Limits: 70-128%	1	04/15/14 19:02	ACS	L196224
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 67-136%	1	04/15/14 19:02	ACS	L196224
Surrogate: Toluene-d8	91.4		Limits: 70-130%	1	04/15/14 19:02	ACS	L196224

#### Qualifiers/Definitions

*	Outside QC limit	DF	Dilution Factor
I	Recovery out of range	MQL	Method Quantitation Limit



05424

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

Project United Initiators, SPI, Inc.  
Information : 40 CFR Part 414.111

Report Date : 04/21/2014  
Received : 4/15/2014

Report Number : **14-105-0215**

### REPORT OF ANALYSIS

Lab No : **94437**

Matrix: **Aqueous**

Sample ID : **Composite 4/14-15/14**

Sampled: **4/15/2014 0:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<b>0.544</b>	µg/L	0.500	1	04/16/14 15:09	RQE	EPA-200.8
Total Zinc	<b>46.2</b>	µg/L	5.00	1	04/16/14 15:09	RQE	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 : 40 CFR Part 414.111

Report Date : 04/21/2014  
 Received : 4/15/2014

Report Number : **14-105-0215**

**REPORT OF ANALYSIS**

Lab No : **94437**

Matrix: **Aqueous**

Sample ID : **Composite 4/14-15/14**

Sampled: **4/15/2014 0:00**

**Analytical Method:** 625

**Prep Method:** 625

**Prep Batch(es):** L196202

**Date/Time Prepped:** 4/16/2014 14:15:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340
Anthracene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340
Bis(2-ethylhexyl)phthalate	<100	µg/L	100	10	04/16/14 20:48	BMP	L196340
1,2-Dichlorobenzene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
1,3-Dichlorobenzene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
1,4-Dichlorobenzene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Diethyl phthalate	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Dimethyl phthalate	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Di-n-butyl phthalate	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
4,6-Dinitro-o-cresol	<100	µg/L	100	10	04/16/14 20:48	BMP	L196340
Fluoranthene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340
Fluorene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340
Hexachlorobenzene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Hexachlorobutadiene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Hexachloroethane	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Naphthalene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340
Nitrobenzene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
2-Nitrophenol	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
4-Nitrophenol	<200	µg/L	200	10	04/16/14 20:48	BMP	L196340
Phenanthrene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340
Pyrene	<20.0	µg/L	20.0	10	04/16/14 20:48	BMP	L196340

**Qualifiers/** \* Outside QC limit  
**Definitions** I Recovery out of range

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 : 40 CFR Part 414.111

Report Date : 04/21/2014  
Received : 4/15/2014

Report Number : **14-105-0215**

### REPORT OF ANALYSIS

Lab No : **94437**

Matrix: **Aqueous**

Sample ID : **Composite 4/14-15/14**

Sampled: **4/15/2014 0:00**

**Analytical Method:** 625

**Prep Method:** 625

**Prep Batch(es):** L196202

**Date/Time Prepped:** 4/16/2014 14:15:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2,4-Trichlorobenzene	<50.0	µg/L	50.0	10	04/16/14 20:48	BMP	L196340
Surrogate: 2-Fluorobiphenyl	<b>22.7 *</b>		Limits: 38-107%	10	04/16/14 20:48	BMP	L196340
Surrogate: 2-Fluorophenol	8.47		Limits: 8-88%	10	04/16/14 20:48	BMP	L196340
Surrogate: Nitrobenzene-d5	<b>22.4 *</b>		Limits: 29-105%	10	04/16/14 20:48	BMP	L196340
Surrogate: Phenol-d6	7.14		Limits: 7-58%	10	04/16/14 20:48	BMP	L196340
Surrogate: 4-Terphenyl-d14	38.4		Limits: 30-130%	10	04/16/14 20:48	BMP	L196340
Surrogate: 2,4,6-Tribromophenol	43.8		Limits: 16-138%	10	04/16/14 20:48	BMP	L196340

**Qualifiers/  
Definitions**

\*  
I

Outside QC limit  
Recovery out of range

DF  
MQL

Dilution Factor  
Method Quantitation Limit

**Cooler Receipt Form**

Customer Number: **05424**

Customer Name: **Rineco Analytical Services**

Report Number: **14-105-0215**

**Shipping Method**

Fed Ex    UPS    US Postal    Client    Lab    Courier    Other :

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
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 checked="" type="radio"/> Yes	<input type="radio"/> No	<input 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:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature:

Date & Time:

CHAIN OF CUSTODY

14-105-0215  
05424  
04-15-2014  
14:43:32  
Rineco Analytical Services  
United Initiators, SPI, Inc

<b>Company Name</b> Rineco Analytical Services			<b>Customer Number</b> 05424		<b>Telephone</b> (501) 778-9089		<b>RUSH</b>	<b>ICE</b>	
<b>Site Name</b> United Initiators, SPI, Inc.			<b>Project Comment</b>					<b>FID Number</b>	
<b>Project</b> Rineco - United Initiators Part 414111			<b>Project Number</b>		<b>PO Number</b>				
<b>Project Manager / Contact</b> Rineco Analytical Services					<b>E-mail</b>				
Sample ID	Container Type	Collected Date / Time	# Cont	Preservative	Grab / Comp	Matrix	Analyses		
Grab	Glass Vial Amber - 40ml	4-15-14 1205	3	HCL - Hydrochloric Acid	G	Aqueous	VOC		
Grab	Plastic - Pint	I I	1	NaOH - Sodium Hydroxide	G	Aqueous	CNT		
Composite	Plastic - Pint	4/15/14	1	HNO3 - Nitric Acid	C	Aqueous	Pb/Zn		
Composite	Glass Amber - Liter	I I	2	Na2S2O3 - Sodium Thiosulfate	C	Aqueous	SVOC		

<b>Sampled By</b> 	<b>Method of Shipment</b> 4-15-14 1205	<b>Blank / Cooler</b> Temperature 0.8°C	<b>Remarks</b>	
<b>Relinquished By (sign)</b>	<b>Date / Time</b>	<b>Received By (sign)</b>		<b>Date / Time</b>
<b>Relinquished By (sign)</b>	<b>Date / Time</b>	<b>Received By (sign)</b>		<b>Date / Time</b>
<b>Relinquished By (sign)</b> 	<b>Date / Time</b> 4-15-14 1430	<b>Received by Lab (sign)</b> 		<b>Date / Time</b> 4-15-14 1430