



PERFORMANCE INITIATORS

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

Syrgis Performance Initiators, Inc.

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

July 29, 2010

Mr. Rufus J. Torrence
ADEQ NPDES Pretreatment Engineer
Arkansas Department of Environmental Quality
Water Division
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317

Dear Mr. Torrence:

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 enclosed our most recent monitoring report for the wastewater discharged from the Syrgis Performance Initiators, Inc. facility in Helena, Arkansas. During the sampling period we were discharging approximately 39,000 gallons of water per day based on previous monthly use averages.

Please also find enclosed an analysis report summary for our facility intake water for one calendar quarter having been sampled for lead and zinc.

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

Sincerely,

Jeff Wages
EHS Manager

Enclosures

cc:
Jon Cummins - Syrgis
Glynn Hamilton - Syrgis
Terry McGinister - Helena WWTP



SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR414

Return to: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION	
A. LEGAL NAME & MAILING ADDRESS Syrgis Performance Initiators, Inc. 334 Phillips 311 Road Helena, AR 72342-9033	B. FACILITY & LOCATION ADDRESS Syrgis Performance Initiators, Inc. 334 Phillips 311 Road Helena, AR 72342-9033
C. FACILITY CONTACT: Jeff Wages	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 2010 TO: August 2010
(3) DESCRIPTION OF OPERATION	
A. REGULATED PROCESSES <u>CORE PROCESS(ES)</u> Specify Category and Sub-Categor(ies) Check each applicable Subpart : 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 <input checked="" type="checkbox"/> 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 51
(4) FLOW MEASUREMENT	
A. Total Plant Flow to POTW in Gallons per Day	
Average: 39784 gpd Maximum: 44445 gpd	
(4) Con'd Next Page	

(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	39,024	43,472	Continuous
Unregulated*			
Cooling Water			
Sanitary	760	973	Continuous

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

(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 ON TREATMENT SYSTEM

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

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.

TABULATE THE FOLLOWING INFORMATION ON PAGE 3

AEC ⇒ AVERAGE EQUIVALENT CONCENTRATION

Sample Location Pond 2 effluent

Sample Type (Grab or Composite) Composite & Grab per testing requirements

Number of Samples and Frequency Collected 2/Semi-annually

40CFR136 Preservation and Analytical Methods Use: Yes G No

D. WAS THE COMBINED WASTESTREAM FORMULA USED TO DETERMINE ALTERNATE LIMITS? Yes No

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

Pollutant	AEC	MEC	AMAC	AMMC
Benzene	56 ug/l	131 ug/l	<1.00 ug/l	<1.00 ug/l
Carbon Tetrachloride	139 ug/l	373 ug/l	<1.00 ug/l	<1.00 ug/l
Chlorobenzene	139 ug/l	373 ug/l	<1.00 ug/l	<1.00 ug/l
1,2,4 - Trichlorobenzene	192 ug/l	779 ug/l	<50.00 ug/l	<50.00 ug/l
Hexachlorobenzene	192 ug/l	779 ug/l	<50.00 ug/l	<50.00 ug/l
1,2 - Dichloroethane	177 ug/l	563 ug/l	<1.00 ug/l	<1.00 ug/l
1,1,1 - Trichloroethane	22 ug/l	58 ug/l	<1.00 ug/l	<1.00 ug/l
Hexachloroethane	192 ug/l	779 ug/l	<50.00 ug/l	<50.00 ug/l
1,1 - Dichloroethane	22 ug/l	58 ug/l	<1.00 ug/l	<1.00 ug/l
1,1,2 - Trichloroethane	31 ug/l	125 ug/l	<1.00 ug/l	<1.00 ug/l
Chloroethane	108 ug/l	289 ug/l	<1.00 ug/l	<1.00 ug/l
Chloroform	109 ug/l	319 ug/l	<1.00 ug/l	<1.00 ug/l
1,2 - Dichlorobenzene	192 ug/l	779 ug/l	<1.00 ug/l	<1.00 ug/l
1,3 - Dichlorobenzene	139 ug/l	373 ug/l	<1.00 ug/l	<1.00 ug/l
1,4 - Dichlorobenzene	139 ug/l	373 ug/l	<1.00 ug/l	<1.00 ug/l
1,1 - Dichloroethylene	22 ug/l	59 ug/l	<1.00 ug/l	<1.00 ug/l
1,2 - trans - Dichloroethylene	25 ug/l	65 ug/l	<1.00 ug/l	<1.00 ug/l
1,2 - Dichloropropane	192 ug/l	779 ug/l	<1.00 ug/l	<1.00 ug/l
1,3 - Dichloropropylene	192 ug/l	779 ug/l	<1.00 ug/l	<1.00 ug/l
Ethylbenzene	139 ug/l	373 ug/l	<1.00 ug/l	<1.00 ug/l
Methylene Chloride	35 ug/l	167 ug/l	<10.0 ug/l	<10.0 ug/l
Methyl Chloride	108 ug/l	289 ug/l	<1.00 ug/l	<1.00 ug/l
Hexachlorobutadiene	139 ug/l	373 ug/l	<50.0 ug/l	<50.0 ug/l
Nitrobenzene	2194 ug/l	6280 ug/l	<50.0 ug/l	<50.0 ug/l
2 - Nitrophenol	64 ug/l	227 ug/l	<50.0 ug/l	<50.0 ug/l
4 - Nitrophenol	159 ug/l	565 ug/l	<200.0 ug/l	<200.0 ug/l
4,6 - Dinitro-o-cresol	77 ug/l	272 ug/l	<100 ug/l	<100 ug/l
Tetrachloroethylene	51 ug/l	161 ug/l	<1.00 ug/l	<1.00 ug/l
Toluene	27 ug/l	73 ug/l	<5.00 ug/l	<5.00 ug/l
Trichloroethylene	26 ug/l	68 ug/l	<1.00 ug/l	<1.00 ug/l
Vinyl Chloride	95 ug/l	169 ug/l	<1.00 ug/l	<1.00 ug/l
Total Cyanide	412 mg/l	1177 ug/l	<0.010 mg/l	<0.010 mg/l
Total Lead	314 ug/l	677 ug/l	0.859 ug/l	0.859 ug/l
Total Zinc	1030 ug/l	2560 ug/l	46.7 ug/l	46.7 ug/l

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

(7) GENERAL COMMENTS

See attached analysis reports for data summarized in this table.

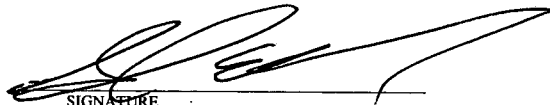
Compound	Result	Location	Date
Lead	4.20 ug/L	Plant Intake water	7/7/2010
Zinc	112 ug/L	Plant Intake water	7/7/2010

(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.

Glynn Hamilton

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

Asst. Plant Manager

OFFICIAL TITLE

July 29, 2010

DATE SIGNED



7/26/2010

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

Ref: Analytical Testing
Report Number: 10-196-0289
Project Description: Syrgis Performance Initiators, Inc.
Composite Sampling

Dear Ms. Mia Dixon:

Environmental Testing and Consulting, Inc. received 2 sample(s) on 7/15/2010 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

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

Sincerely,

Randell H. Thomas

Randy Thomas
Project Manager

Alabama	#40750	Louisiana	#04015	Florida	#E87943	Texas	#T104704180-05-TX
Arkansas	#88-0650	Mississippi		California	#05240CA		
Illinois	#200015	Oklahoma	#9311	USDA	#S-46279		
Kentucky	#90047	Tennessee	#02027	EPA	#TN00012		
Kentucky UST	#41	Virginia	#00106	NELAP	#100456		





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 Syrgis Performance Initiators, Inc.
Information : Composite Sampling

Report Date : 7/26/2010

Report Number : 10-196-0289

REPORT OF ANALYSIS

Received : 7/15/2010

Lab No : 73806

Matrix: Aqueous

Sample ID : Grab

Sampled: 7/15/2010 10:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Cyanide	<0.010	mg/L	0.010	1	07/19/10 09:40	GHD	SM-4500CNE
Oil and Grease	2.5	mg/L	2.0	1	07/19/10 08:00	RMJ	EPA-1664A

Lab No : 73807

Matrix: Aqueous

Sample ID : Composite 7/14-15/10

Sampled: 7/15/2010 0:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Biochemical Oxygen Demand (5-day)	186	mg/L	120	1	07/15/10 12:30	TKB	SM-5210B-BOD
Chloride	12800	mg/L	400	1	07/16/10 08:39	KYS	EPA-300.0
COD (Chemical Oxygen Demand)	668	mg/L	15	1	07/26/10 09:49	GHD	SM-5220D
Total Lead	0.859	µg/L	0.100	1	07/22/10 10:37	RQE	EPA-200.8
Total Zinc	46.7	µg/L	5.00	1	07/22/10 10:37	RQE	EPA-200.8
Total Kjeldahl Nitrogen	15.1	mg/L	0.500	1	07/19/10 07:40	DRG	SM-4500-NH3D-T
Total Suspended Solids	196	mg/L	8	1	07/21/10 14:00	NRT	SM-2540D
Total Dissolved Solids	19300	mg/L	10	1	07/16/10 00:00	NRT	SM-2540C
Total Organic Carbon	145	mg/L	10.0	1	07/25/10 19:38	TDJ	SM-5310B

Qualifiers/ Definitions

* Outside QC limit
MQL Method Quantitation Limit

DF Dilution Factor



CLIENT: Rineco Analytical Services
Project: Syrgis Performance Initiators, Inc.
Lab Order Number: 10-196-0289

CASE NARRATIVE

Date: 07/26/10

ETCAL

Semi-Volatile Organics by Method 625

The following sample extracts were unable to be concentrated to the default method final volume of 1.0 mL and/or required an additional dilution. The final volume adjustment, along with additional dilutions required due to viscous extracts, may result in surrogate recoveries below minimum detectable concentrations..

Sample ID	Final Volume (mL)	Additional Dilution Factor
1007282-002A	1.0	1:10

**-Volatile Organics by Method 8260B
Surrogate Recovery Failure**

Surrogates were flagged for recoveries outside QC limits in several of the associated project samples. These samples were re-analyzed for verification, and/or dilution of target analytes, with similar recoveries. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits indicating that failing recoveries were due to the sample matrix.

Rineco Analytical Services
 P O Box 729
 Benton, AR 72018

Project **Syrgis Performance**
 Description **Initiators, Inc.**

Site **Composite Sampling**

Lab Order Number **10-196-0289**
 Lab ID **1007282-001A**
 Field ID **Grab**
 Sample Number **73806**

Report of Analysis
 Received **07/15/10**
 Matrix **Aqueous**
 Sampled **07/15/10 10:00**

Analytical Method 624

Prep Method	624	Prep Batch	30362	Date/Time Prepped	07/21/10 8:15		
Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acrolein	< 20.0	µg/L	20.0	1	07/21/10 18:24	LS	45665
Acrylonitrile	< 20.0	µg/L	20.0	1	07/21/10 18:24	LS	45665
Benzene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Bromodichloromethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Bromoform	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Bromomethane	4.51	µg/L	1.00	1	07/21/10 18:24	LS	45665
Carbon tetrachloride	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Chlorobenzene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Chlorodibromomethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Chloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
2-Chloroethyl vinyl ether	< 5.00 M	µg/L	5.00	1	07/21/10 18:24	LS	45665
Chloroform	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Chloromethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,2-Dichlorobenzene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,3-Dichlorobenzene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,4-Dichlorobenzene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,1-Dichloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,2-Dichloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,1-Dichloroethene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
trans-1,2-Dichloroethene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,2-Dichloropropane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
cis-1,3-Dichloropropene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
trans-1,3-Dichloropropene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Ethylbenzene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Methylene chloride	< 10.0	µg/L	10.0	1	07/21/10 18:24	LS	45665
Styrene	8.53	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,1,1,2-Tetrachloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665

Qualifiers/	* Surrogate Recovery outside accepted limits	* I Recoveries affected by interferences or high background
Definitions	B Analyte detected in the associated Method Blank	DF Dilution Factor
	E Value exceeds method calibration range	H Prepped / Analyzed out of holding time.
	J Estimated Value Analyte below reported detection limit	M Minimum value
	MDL Method Dection Limit (adjusted)	MQL Method Quantitation Limit (adjusted)
	MRL Method Reporting Limit	N Refer to attached Non-Compliance Report
	Q RPD >40% between primary and confirmation columns	SQL Sample Quantitation Limit (adjusted MDL)

07/26/10 5424 RINECO_AL



Rineco Analytical Services
 P O Box 729
 Benton, AR 72018

Project **Syrgis Performance**
 Description **Initiators, Inc.**

Site **Composite Sampling**

Lab Order Number **10-196-0289**
 Lab ID **1007282-001A**
 Field ID **Grab**
 Sample Number **73806**

Report of Analysis
 Received **07/15/10**
 Matrix **Aqueous**
 Sampled **07/15/10 10:00**

Analytical Method 624

Prep Method	624	Prep Batch	30362	Date/Time Prepped	07/21/10 8:15		
Compound	Result	Units	MQL	DF	Analyzed	By	Analytical Batch
1,1,2,2-Tetrachloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Tetrachloroethene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Toluene	< 5.00	µg/L	5.00	1	07/21/10 18:24	LS	45665
1,1,1-Trichloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
1,1,2-Trichloroethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Trichloroethene	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Trichlorofluoromethane	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Vinyl chloride	< 1.00	µg/L	1.00	1	07/21/10 18:24	LS	45665
Surrogate: Dibromofluoromethane	119 %		Limits: 70-128	1	07/21/10 18:24	LS	45665
Surrogate: Toluene-d8	121 %		Limits: 70-130	1	07/21/10 18:24	LS	45665
Surrogate: 4-Bromofluorobenzene	139 % *		Limits: 71-131	1	07/21/10 18:24	LS	45665
Surrogate: 1,2-Dichloroethane-d4	116 %		Limits: 67-136	1	07/21/10 18:24	LS	45665

Qualifiers/Definitions	* Surrogate Recovery outside accepted limits	* I Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF Dilution Factor
E	Value exceeds method calibration range	H Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M Minimum value
MDL	Method Detection Limit (adjusted)	MQL Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL Sample Quantitation Limit (adjusted MDL)



Rineco Analytical Services
P O Box 729
Benton, AR 72018

Project Syrgis Performance
Description Initiators, Inc.

Site Composite Sampling

Lab Order Number 10-196-0289
Lab ID 1007282-002A
Field ID Composite 7/14-15/10
Sample Number 73807

Report of Analysis
Received 07/15/10
Matrix Aqueous
Sampled 07/15/10 0:00

Analytical Method 625

Table with columns: Compound, Result, Units, MQL, DF, Date/Time Analyzed, By, Analytical Batch. Lists various chemical compounds and their test results.

Qualifiers/Definitions table with two columns: Qualifier (e.g., *, B, E, J, MDL, MRL, Q) and Definition (e.g., Surrogate Recovery outside accepted limits, Analyte detected in the associated Method Blank).



Rineco Analytical Services

P O Box 729
Benton, AR 72018

Project Syrgis Performance
Description Initiators, Inc.

Site Composite Sampling

Lab Order Number 10-196-0289
Lab ID 1007282-002A
Field ID Composite 7/14-15/10
Sample Number 73807

Report of Analysis
Received 07/15/10
Matrix Aqueous
Sampled 07/15/10 0:00

Analytical Method 625

Table with columns: Prep Method, Prep Batch, Date/Time Prepped, Compound, Result, Units, Sample Vol/Wt, MQL, DF, Date/Time Analyzed, By, Analytical Batch. Lists various chemical compounds and their detection results.

Qualifiers/Definitions table listing codes (*, B, E, J, MDL, MRL, Q) and their corresponding definitions for surrogate recovery, detection limits, and reporting procedures.

Rineco Analytical Services
 P O Box 729
 Benton, AR 72018

Project **Syrgis Performance**
 Description **Initiators, Inc.**

Site **Composite Sampling**

Lab Order Number **10-196-0289**
 Lab ID **1007282-002A**
 Field ID **Composite 7/14-15/10**
 Sample Number **73807**

Report of Analysis
 Received **07/15/10**
 Matrix **Aqueous**
 Sampled **07/15/10 0:00**

Analytical Method 625

Prep Method	625	Prep Batch	30297			Date/Time Prepped	07/16/10 10:00	
Compound	Default Vol/Wt Result	1000 mL Units	Sample Vol/Wt MQL	1060 mL DF	Date/Time Analyzed	By	Analytical Batch	
Phenol	< 50.0	µg/L	50.0	10	07/20/10 16:48	NFP	45624	
Pyrene	< 20.0	µg/L	20.0	10	07/20/10 16:48	NFP	45624	
1,2,4-Trichlorobenzene	< 50.0	µg/L	50.0	10	07/20/10 16:48	NFP	45624	
2,4,6-Trichlorophenol	< 50.0	µg/L	50.0	10	07/20/10 16:48	NFP	45624	
Surrogate: Nitrobenzene-d5		58 %	Limits: 29-110	10	07/20/10 16:48	NFP	45624	
Surrogate: 2-Fluorobiphenyl		51 %	Limits: 38-107	10	07/20/10 16:48	NFP	45624	
Surrogate: 4-Terphenyl-d14		55 %	Limits: 33-122	10	07/20/10 16:48	NFP	45624	
Surrogate: Phenol-d6		24 %	Limits: 7-58	10	07/20/10 16:48	NFP	45624	
Surrogate: 2,4,6-Tribromophenol		84 %	Limits: 16-138	10	07/20/10 16:48	NFP	45624	
Surrogate: 2-Fluorophenol		27 %	Limits: 8-88	10	07/20/10 16:48	NFP	45624	

Qualifiers/ Definitions

- * Surrogate Recovery outside accepted limits
- * I Recoveries affected by interferences or high background
- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- E Value exceeds method calibration range
- H Prepped / Analyzed out of holding time.
- J Estimated Value Analyte below reported detection limit
- M Minimum value
- MDL Method Detection Limit (adjusted)
- MQL Method Quantitation Limit (adjusted)
- MRL Method Reporting Limit
- N Refer to attached Non-Compliance Report
- Q RPD >40% between primary and confirmation columns
- SQL Sample Quantitation Limit (adjusted MDL)

07/26/10--5424 RINECO_AL



Cooler Receipt Form

Customer Number: 05424

Customer Name: Rineco Analytical Services

Report Number: 10-196-0289

Shipping Method

Shipping Method options: FedEx, UPS, US Postal, Client, LMP (selected), Courier, Other

- Shipping container/cooler uncompromised? Yes (selected), No, Not Present
Custody seals intact on shipping container/cooler? Yes, No, Not Required (selected)
Custody seals intact on sample bottles? Yes, No, Not Required (selected)
Chain of Custody present? Yes (selected), No
COC agrees with sample labels? Yes (selected), No
Samples in proper containers? Yes (selected), No
Sample containers intact? Yes (selected), No
Sufficient sample volume for indicated tests? Yes (selected), No
All samples received within holding time? Yes (selected), No
Container temperature in compliance? Yes (selected), No
Water - VOA vials free of headspace? Yes, No, N/A (selected)
Water - Preservation acceptable upon receipt? Yes (selected), No, N/A
Samples screened for radioactivity (COE only)? Yes, No, N/A (selected)
Special precautions or instructions included? Yes, No (selected)

Comments:

Large empty rectangular box for comments.

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

Signature: Brooke Shoup

Date & Time: 07/15/2010 15:06:27

1000 E. 10th St., Suite 1000, Oklahoma City, Oklahoma 73104-1000 Phone: (405) 778-2400 Fax: (405) 778-2400

A Laboratory Management System

1007282



10-196-0289
05424
2010-07-13
5:06:12

CHAIN OF CUSTODY
PLEASE COMPLETE AND RETURN THIS FORM

Return TO Address: ETC - 2790 Whitten Rd

Rineco Analytical Services
Synals Performance Indicators, Inc.

COC Number / Sample Kit ID
50109EA

Company Name Rineco Analytical Services	Client Code/No. RINECO_AL_SYRGIS_HEL	Telephone (501) 778-9089	RUSH ICE
Project / Site Name Syrgis Performance - Composite Sampling		Project Comment	FID Number
Project Number		PO Number	
Project Manager / Contact Mr. Jeff Wages		E-mail	

Sample ID	Container Type	Collected Date/Time	# Cont	Preservative	Grab Comp	Matrix	Analyses
Effluent	Pint - Plastic	7/5/10 1000	1	NaOH	<input checked="" type="checkbox"/> <input type="checkbox"/>	Aqueous	CNT
	QT - Clear Glass	7/5/10 1000	2	HCL	<input checked="" type="checkbox"/> <input type="checkbox"/>	Aqueous	Oil & Grease
	40 mL Amber Vial	7/5/10 1000	3	HCL	<input checked="" type="checkbox"/> <input type="checkbox"/>	Aqueous	Volatiles
	Liter - Amber Glass	7/5/10	2	NONE	<input type="checkbox"/> <input checked="" type="checkbox"/>	Aqueous	BNA
	QT - Plastic	7/5/10	1	NONE	<input type="checkbox"/> <input checked="" type="checkbox"/>	Aqueous	TDS, TSS, BOD, Chloride
	Pint - Plastic	7/5/10	1	H2SO4	<input type="checkbox"/> <input checked="" type="checkbox"/>	Aqueous	TKN, COD
	40 mL Clear Vial	7/5/10	2	HCL	<input type="checkbox"/> <input checked="" type="checkbox"/>	Aqueous	TOC
	Pint - Plastic	7/5/10	1	HNO3	<input type="checkbox"/> <input checked="" type="checkbox"/>	Aqueous	Zinc/Lead Method 200.8

Sampled By <i>[Signature]</i>	Method of Shipment	Blank / Cooler Temp. L & C
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Remarks:

Relinquished By (sign) <i>[Signature]</i>	Date / Time 7/5/10 1000	Received By (sign) <i>[Signature]</i>	Date / Time 7/5/10 7:00
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7/14/2010

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

Ref: Analytical Testing
Report Number: 10-189-0217
Project Description: Syrgis Performance-Facility Intake Water

Dear Ms. Mia Dixon:

Environmental Testing and Consulting, Inc. received 2 sample(s) on 7/8/2010 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

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

Sincerely,

Randy H. Thomas

Randy Thomas
Project Manager

Table with 6 columns: State, Accreditation Number 1, Accreditation Number 2, Accreditation Number 3, Accreditation Number 4, Accreditation Number 5. Rows include Alabama, Arkansas, Illinois, Kentucky, Louisiana, Mississippi, Tennessee, Virginia, Florida, California, USDA, EPA, NELAP, and Texas.





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 Syrgis Performance-Facility Intake Water
Information :

Report Date : 7/14/2010

Report Number : 10-189-0217

REPORT OF ANALYSIS

Received : 7/8/2010

Lab No : 72763

Matrix: Aqueous

Sample ID : Aqueous

Sampled: 7/7/2010 13:50

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	4.20	µg/L	0.500	1	12/07/10 18:45	SLH	EPA-200.8
Total Zinc	112	µg/L	1.00	1	12/07/10 18:45	RQE	EPA-200.8

Lab No : 72764

Matrix: Aqueous

Sample ID : Trip Blank

Sampled: 7/7/2010 0:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.500	µg/L	0.500	1	12/07/10 18:56	SLH	EPA-200.8
Total Zinc	2.57	µg/L	1.00	1	12/07/10 18:56	RQE	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: 10-189-0217

Shipping Method

Shipping Method options: FedEx, UPS, US Postal, Client, LMP, Courier, Other

- Shipping container/cooler uncompromised?
Custody seals intact on shipping container/cooler?
Custody seals intact on sample bottles?
Chain of Custody present?
COC agrees with sample labels?
Samples in proper containers?
Sample containers intact?
Sufficient sample volume for indicated tests?
All samples received within holding time?
Container temperature in compliance?
Water - VOA vials free of headspace?
Water - Preservation acceptable upon receipt?
Samples screened for radioactivity (COE only)?
Special precautions or instructions included?

Comments: [Empty box for comments]

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

Signature: Rebekah Ross

Date & Time: 07/08/2010 10:50:40



CHAIN OF CUSTODY
PLEASE COMPLETE AND RETURN THIS FORM



10-189-0217
05424
2010-07-08
0:49:35

COC Number /
Sample Kit ID
50107EA

Return TO Address: ETC - 2790 Whitten Road

Rineco Analytical Services
Syraxis Performance-Facility Intake Water

Company Name Rineco Analytical Services		Client Code/No. RINECO_AL_SYRGIS_HEL		Telephone (501) 778-9089		RUSH	
Project / Site Name Syraxis Performance - Sampling		Project Comment Facility Intake Water				ICE	
Project Number Plant Intake Water		PO Number				FID Number	
Project Manager / Contact Mr. Jeff Wages		E-mail jwages@syrgis.com					
Sample ID	Container Type	Collected Date/Time	# Cont	Preservative	Grab. Comp	Matrix	Analyses
Aqueous	Pint - Plastic		X	HNO3	X	Aqueous	Zn by 200.8
Aqueous	Pint - Plastic	7/7/10 1:50 PM		HNO3	X	Aqueous	Zn, Pb by Method 200.8
Trip Blank (to be filled with)	Pint - Plastic			HNO3		Aqueous	Zn, Pb by Method 200.8

Sampled By J. Wages	Method of Shipment UPS	Blank / Cooler Temp. AA
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Remarks

Relinquished By (sign) J. Wages	Date / Time 7/7/10 2:00 PM	Received By (sign) B. Stouffer	Date / Time 7/8/10 09:42
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FROM:
Syrgis P
334 P
Helen

ators, Inc.



EG057388260US



Addressee Copy
Label 11-B, March 2004

UNITED STATES POSTAL SERVICE® Post Office To Addressee

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Date Accepted 7/21/10	Scheduled Date of Delivery Month 7 Day 30	Return Receipt Fee \$	
Mo. Day Year 7 21 10	Scheduled Time of Delivery <input checked="" type="checkbox"/> Noon <input checked="" type="checkbox"/> 3 PM	COD Fee \$	Insurance Fee \$
Time Accepted 11:18 AM	Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	Total Postage & Fees \$ 13.65	
Flat Rate <input type="checkbox"/> or Weight lbs 0.20 ozs.	Int'l Alpha Country Code	Acceptance Emp. Initials HJ	

DELIVERY (POSTAL USE ONLY)		
Delivery Attempt Mo. Day 7 30	Time 10:09	Employee Signature <i>Starter</i>
Delivery Attempt	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature
Delivery Date Mo. Day 7 30	Time 10:30	Employee Signature <i>Starter</i>
Delivery Date	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature

CUSTOMER USE ONLY

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Helena AR
72342 9033

TO: (PLEASE PRINT) PHONE ()

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Little Rock AR

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