AVS/SEM Sample Results Summary

Client: FOSTER WHEELER
Project: ROXANNA MARSH
SDG: 920866A

Case Narrative

Client FOSTER WHEELER
Project Name ROXANNA MARSH
Project Number 1980.0208.0100
SDG **920866A**
Fraction METALS

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-024	FW-RM-01-CS-1-2	3/19/2002	3/21/2002	SOIL
920839-025	FW-RM-01-CS-2-3.9	3/19/2002	3/21/2002	SOIL
920866-001	FW-RM-11-SS	3/20/2002	3/22/2002	SOIL
920866-002	FW-RM-03-CS-2.3-4.8	3/19/2002	3/22/2002	SOIL
920866-003	FW-RM-03-CS-2.3-4.8MS	3/19/2002	3/22/2002	SOIL
920866-004	FW-RM-03-CS-2.3-4.8MSD	3/20/2002	3/22/2002	SOIL
920866-005	FW-RM-03-CS-0.8-2.3	3/20/2002	3/22/2002	SOIL
920866-006	FW-RM-20-SS	3/20/2002	3/22/2002	SOIL
920866-007	FW-RM-14-SS	3/20/2002	3/22/2002	SOIL
920866-008	FW-RM-21-SS	3/20/2002	3/22/2002	SOIL
920866-009	FW-RM-19-SS	3/20/2002	3/22/2002	SOIL
920866-010	FW-RM-18-SS	3/20/2002	3/22/2002	SOIL
920866-011	FW-RM-13-SS	3/20/2002	3/22/2002	SOIL
920866-012	FW-RM-RB-02	3/20/2002	3/22/2002	WATER
920866-015	FW-RM-07-CS-2.6-5.4	3/19/2002	3/22/2002	SOIL
920866-016	FW-RM-07-CS-0.5-2.6	3/19/2002	3/22/2002	SOIL
920866-017	FW-RM-20-CS-0.8-2.4	3/20/2002	3/22/2002	SOIL
920866-019	FW-RM-21-CS-3.6-5.6	3/21/2002	3/22/2002	SOIL
920866-020	FW-RM-01-CS-3.6-5.6	3/21/2002	3/22/2002	SOIL
920866-021	FW-RM-21-CS-7.0-9.0	3/21/2002	3/22/2002	SOIL
920866-022	FW-RM-01-CS-7.0-9.0	3/21/2002	3/22/2002	SOIL
920866-064	MB1920866			SOIL
920866-065	MB1920866LCS			SOIL
920866-066	MB1920866LCSD			SOIL
920866-067	MB2920866			WATER
920866-068	MB2920866LCS			WATER

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920866-069	MB2920866LCSD			WATER

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METALS
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: ROXANNA MARSH

SDG No.: 920866A

Lab Code: SEM

Case No.: 920866A

SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
FW-RM-01-CS-1-2	920839-024
FW-RM-01-CS-2-3.9	920839-025
FW-RM-11-SS	920866-001
FW-RM-03-CS-2.3-4.8	920866-002
FW-RM-03-CS-2.3-4.8MS	920866-003
FW-RM-03-CS-2.3-4.8MSD	920866-004
FW-RM-03-CS-0.8-2.3	920866-005
FW-RM-20-SS	920866-006
FW-RM-14-SS	920866-007
FW-RM-21-SS	920866-008
FW-RM-19-SS	920866-009
FW-RM-18-SS	920866-010
FW-RM-13-SS	920866-011
FW-RM-07-CS-2.6-5.4	920866-015
FW-RM-07-CS-0.5-2.6	920866-016
FW-RM-20-CS-0.8-2.4	920866-017
FW-RM-21-CS-3.6-5.6	920866-019

Were ICP interelement corrections applied? Yes/No NO

Were ICP background corrections applied? Yes/No NO

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: All results on SEM Forms are instrument results in ug/L and have not been put through SEM calculations

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Karri Warnock

Name: Karri Warnock

Date: 5-6-02

Title: QA Auditor

EnChem Laboratories, Inc.

METALS
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: ROXANNA MARSH

SDG No.: 920866A

Lab Code: SEM

Case No.: 920866A

SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
FW-RM-01-CS-3.6-5.6	920866-020
FW-RM-21-CS-7.0-9.0	920866-021
FW-RM-01-CS-7.0-9.0	920866-022
MB1920866	920866-064
MB1920866LCS	920866-065
MB1920866LCSD	920866-066

Were ICP interelement corrections applied? Yes/No NO

Were ICP background corrections applied? Yes/No NO

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Karri Warnock

Name: Karri Warnock

Date: 5-6-02

Title: QA Auditor

EN CHEM, INC
CASE NARRATIVE – SEM METALS ANALYSIS

Lab Report Number (SDG): 920866A
Client: Foster Wheeler
Project Name: Roxanna Marsh
Project Number: 1980.0208.0100

1. RECEIPT

The samples were received on ice.

2. HOLDING TIMES

A. **Sample Preparation:** All method - holding times were met.
B. **Sample Analysis:** All method - holding times were met.

3. METHOD

Preparation: EPA DRAFT
Analysis: EPA DRAFT

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

A. **Calibration:**
   1. **Initial verification:** All method acceptance criteria were met.
   2. **Continuing verification:** All method acceptance criteria were met.
B. **Blanks:**
   1. **Initial calibration:** All method acceptance criteria were met.
   2. **Continuing calibration:** All method acceptance criteria were met
   3. **Method:** The method blank prepped for Mercury analysis met acceptance criteria. An extraction blank, which has gone through the AVS procedure, met acceptance criteria. Chromium, Copper, Nickel, Lead and Zinc were detected between the MDL and EQL in the associated preparation blanks. Samples are flagged with the "A" data qualifier if the raw amount in the sample was greater than the MDL and less than 20X the raw amount of the blank concentration.
C. **Spikes:**
   1. **Lab Control Spike/Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met.
   2. **Matrix Spike / Duplicate (MS/MSD):** Sample FW-RM-03-CS-2.3-4.8 was designated as the MS/MSD for this SDG. All in-house accuracy and precision criteria were met. Please note all results are based on a post spike analysis for all analyses except for mercury.
D. **Sample Duplicates:** Not applicable.
E. **Internal Standards:** Not applicable.
F. **Interference Check Samples:** All method acceptance criteria were met.
G. **Serial Dilution:** The method acceptance criteria were met for all analytes.
H. **Samples:** Sample analyses proceeded normally.
I. **Dilutions:** None required for this SDG.
J. **Reanalysis:** None required for this SDG.
K. **Comments:** None.

client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: Karri Warnock Date: 5-6-02

Name: Karri Warnock Position: Quality Assurance Auditor

Inorganic Data Qualifiers

A	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	The analyte has been detected between the method detection limit and the reporting limit.
C	Elevated detection limit due to matrix effects.
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentration is greater than 50 times the IDL (100 times the IDL for analysis done on the ICP-MS). The result was flagged with the E qualifier to indicate that a physical interference was observed.
F	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
H(n)	Preservation or analysis performed "n" days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
L	Elevated detection limit due to low sample volume.
N	Spiked sample recovery not within control limits.
Q	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
U	The analyte was not detected above the reporting limit.
X	See sample narrative.
&	Laboratory Control Spike recovery not within control limits.
*	Duplicate analyses not within control limits.
SUB1	Assay was subcontracted to an approved lab.
SUB2	Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.
1	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
3	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Branch or Location: Denver

Project Contact: Pam Mess

Telephone: 303-980-3519

Project Number: 1980.0208.0100

Project Name: Roxanna Marsh

Project State: Indiana

Sampled By (Print): Jennifer Hawkins

EN CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
FAX 920-469-8827

525 Science Drive
Madison, WI 53711
608-232-3300
FAX: 608-233-0502

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Page 1 of 1

P.O. # _____ Quote # _____

Mail Report To: Pam Mess

Company: FWENC

Address: Denver

Invoice To: Gary Brown

Company: FWENC

Address: Bothell

Mail Invoice To:

*Preservation Codes: A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH H = Sodium Bisulfate Solution I = Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

Data Package Options
(please circle if requested)
Results Only
EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA, NAVY

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Eson Size	RCRA metals/Total/Diss SEM	RCRA metals/Total/Diss	PAH	Pest/PCB	Oil & Grease	TOC	RCRA metals	TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
					A	A	A	A	A	C	C/A				
920839-021	FW-RM-17-CS-0-1.5	3-19	11:35	S	1	2	1						4		
022	FW-RM-RO-01	3-17	12:00	W				2	2	1	1	1	7		
023	FW-RM-17-CS-1.5-3.5	3-19	11:35	S	1	2	1						4		
024	FW-RM-01-CS-1-2	3-19	13:35	S	1	2	1						4		
025	FW-RM-01-CS-2-3.9	3-19	13:35	S	1	2	1						4		
026	FW-RM-01-CS-3.9-4.5	3-19	13:35	S	1	2	1						4	Archive	

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed: _____
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #: _____
Fax #: _____
E-Mail Address: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	3-20-02 8:30	Fed Ex	
Fed Ex	3/21/02 1045	[signature]	3/21/02 1015

En Chem Project No. 920839

Sample Receipt Temp. 3°C KOT

Sample Receipt pH (Wet/Metals)

Cooler Custody Seal

Present / Not Present

Intact / Not Intact

Company Name: [illegible]

Branch or Location: Denver

Project Contact: ~~[illegible]~~ Pam Moss

Telephone: 303-980-3519

Project Number: 1980.020.0100

Project Name: Laxania Marsh

Project State: Indiana

Sampled By (Print): Bob Feldpausch

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1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
FAX 920-469-8827

525 Science Drive
Madison, WI 53711
608-232-3300
FAX: 608-233-0502

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Page 1 of 1

P.O. #

Quote #

Mail Report To: Pam Moss

Company: FWENC

Address: 143 Union Blvd Ste. 600 Lakewood, CO 80228

Invoice To: Gary Brown

Company: FWENC

Address: 12100 NE 195th St Ste 200 Bothell, WA 98011

Mail Invoice To:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
H = Sodium Bisulfate Solution I = Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*: H H H

Data Package Options
(please circle if requested)
Results Only
EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

ANALYSES REQUESTED: Gross α, β / PCB/Cl pest / PAH / Cr Cr / RCRA metals / TCL/ABS SVOA

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Gross α, β	PCB/Cl pest	PAH / Cr Cr	RCRA metals	TCL/ABS SVOA				TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
120866-001	FW-RM-11-SS	3-20-02	09:17	S	1	2	1								
002	FW-RM-03-CS-2.3-4.5	3-19	15:20		1	~~4~~ 2	~~2~~ 1							include lab QC	
003															
005	FW-RM-03-CS-0.8-2.3	3-19	15:20		1	2	1								
006	FW-RM-20-SS	3-20	11:03		1	2	1								
007	FW-RM-14-SS	3-20	09:35		1	2	1								
008	FW-RM-21-SS	3-20	11:30		1	2	1								
009	FW-RM-19-SS	3-20	10:30		1	2	1								
010	FW-RM-18-SS	3-20	10:15		1	2	1								
011	FW-RM-13-SS	3-20	11:30		1	2	1								
~~012~~															
~~013~~															
~~014~~															

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3/21/02 12:25	Fed Ex	
Fed Ex	3/22/02 1030	[signature] Chrower	3/22/02 1030

En Chem Project No. 920866

Sample Receipt Temp 3, 2, 3, 1, 4, 3 ROT

Sample Receipt pH (Wet/Metals) OK

Cooler Custody Seal (Present) Not Present

Intact / Not Intact

Company Name: Foster Wheeler
Branch or Location: Denver
Project Contact: Pam Moss
Telephone: 303-980-3519
Project Number: 1980.0203.0100
Project Name: Roxanna Marsh
Project State: Indiana
Sampled By (Print): ~~Bob~~ Bob Feldpausch

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☐ 1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
FAX 920-469-8827

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Madison, WI 53711
608-232-3300
FAX: 608-233-0502

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78323

Page 1 of 2

P.O. # Quote #

Mail Report To: Pam Moss
Company: Foster Wheeler
Address: Lakewood, CO
Invoice To: Gary Braun
Company: FWBNC
Address: Bothell, WA
Mail Invoice To:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
H = Sodium Bisulfate Solution I = Other

FILTERED? (YES/NO) No
PRESERVATION (CODE)* A A D C C

Data Package Options
(please circle if requested)
Results Only
EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, SI=Sludge

ANALYSES REQUESTED

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Pest/PCB	PAH	RCRA metals	Oil & Grease	TOC			TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
920866-012	FW-RM-RB-02	3/22/02	16:00	W	2	2	1	1	1			7		

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	3/22/02 12:15	Fed Ex	
Fed Ex	3/22/02 1030	Ryan Chrowa	3/22/02 1030

En Chem Project No: 920866
Sample Receipt Temp: 3, 2, 3, 3, 1, 4, 3 FOI
Sample Receipt pH (Wet/Metals): OK
Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Company Name: Foster Wheeler
Branch or Location: Denver
Project Contact: Pam Moss
Telephone: 303-980-3519
Project Number: 1980.0203.0100
Project Name: Oxnard Marsh
Project State: Indiana
Sampled By (Print): Bob Feldmanski

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Green Bay, WI 54302
920-469-2436
FAX 920-469-8827

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Madison, WI 53711
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Page 2 of 2

P.O. #
Quote #
Mail Report To: Pam Moss
Company: Foster Wheeler
Address: Lakewood, CO
Invoice To: Gary Brown
Company: FWEINC
Address: Sothell, WI
Mail Invoice To:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
H = Sodium Bisulfate Solution I = Other

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Data Package Options
(please circle if requested)
Results Only
EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, SI=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Gram Size	PCB/Oil & Grease	RCRA metals/TCL/AVS SEM					TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
920866-013	FW-RM-03-CS-48-75	3-19	15:20	S	1	2	1					4	Archive	
014	FW-RM-07-CS-54-70	3-19	15:40	S	1	2	1					4	Archive	
015	FW-RM-07-CS-26-54	3-19	15:40	S	1	2	1					4		
016	FW-RM-07-CS-25-26	3-19	15:40	S	1	2	1					4		
017	FW-RM-20-CS-08-24	3-20	17:30	S	1	2	1					4		
018	FW-RM-10-CS-40-52	3-20	15:00	S	1	2	1					4	Archive	

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	3/21/02 11:15	Fed Ex	
Fed Ex	3/22/02 1630	[illegible] Chrover	3/22/02 1030

En Chem Project No: 920866
Sample Receipt Temp: 3.2, 3.3, 1.4, 3 ROI
Sample Receipt pH (Wet/Metals): OK
Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Company Name: Foster Wheeler
Branch or Location: Denver
Project Contact: Pam Moss
Telephone: 303-980-3519
Project Number: 1950.0003.0100
Project Name: Roxana Marsh
Project State: Indiana
Sampled By (Print): Bob Feldpausch

EN CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
FAX 920-469-8827

525 Science Drive
Madison, WI 53711
608-232-3300
FAX: 608-233-0502

CHAIN OF CUSTODY

78325

Page 1 of 1

P.O. # Quote #

Mail Report To: Pam Moss
Company: FWENC
Address: Lakewood, CO
Invoice To: Gary Brown
Company: FWENC
Address: Bothell, WA
Mail Invoice To:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
H = Sodium Bisulfate Solution I = Other

FILTERED? (YES/NO)
PRESERVATION (CODE)*: A A A

ANALYSES REQUESTED: Grain Size; SGC/LCC Post/PAH/Unit Gr; RCRA metals prep/ABS SPLP

Data Package Options
(please circle if requested)
Results Only
EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Grain Size	SGC/LCC Post/PAH/Unit Gr	RCRA metals prep/ABS SPLP					TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
920866-019	FW-RM-21-CS-36-56	3-21	1402	S	1	2	1					4		
020	FW-RM-01-CS-36-56	3-21	1402	S	1	2	1					4		
021	FW-RM-24-CS-7.0-9.0	3-21	1402	S	1	2	1					4		
022	FW-RM-01-CS-7.0-9.0	3-21	1402	S	1	2	1					4		

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	3-21-02 16:55	Fed Ex	
Fed Ex	3/22/02 1030	Ryan Chrouser	3/22/02 1030

En Chem Project No: 920866
Sample Receipt Temp: 3, 2, 3, 1, 4, 3 RUI
Sample Receipt pH (Wet Metals): OK
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Batch No. 920839

En Chem, Inc. Cooler Receipt Log

Project Name or ID Roxanna Marsh

No. of Coolers: 3 Temps: 3, 2, 3 °C

A. Receipt Phase: Date cooler was opened: 3/21/02 **By:** RJC

1: Were samples received on ice? (Must be ≤ 6 C)	YES	NO[2]	
2. Was there a Temperature Blank?	YES	NO	
3: Were custody seals present and intact? (Record on COC)	YES	NO	
4: Are COC documents present?	YES	NO[2]	
5: Does this Project require quick turn around analysis?	YES	NO	
6: Is there any sub-work?	YES	NO	
7: Are there any short hold time tests?	YES	NO	
8: Are any samples nearing expiration of hold-time? (Within 2 days)	YES[1]	NO	Contacted by/Who
9: Do any samples need to be Filtered or Preserved in the lab?	YES[1]	NO	Contacted by/Who

B. Check-in Phase: Date samples were Checked-in: 3/21/02 **By:** RJC

1: Were all sample containers listed on the COC received and intact?	YES	NO[2]	NA
2: Sign the COC as received by En Chem. Completed	YES	NO	
3: Do sample labels match the COC?	YES	NO[2]	
4: Check sample pH of preserved samples. (Not VOCs) Completed	YES	NO	NA
5: Do samples have correct chemical preservation?	YES	NO[2]	NA
6: Are dissolved parameters field filtered?	YES	NO[2]	NA
7: Are sample volumes adequate for tests requested?	YES	NO[2]	
8: Are VOC samples free of bubbles >6mm	YES	NO[2]	NA
9: Enter samples into logbook. Completed	YES	NO	
10: Place laboratory sample number on all containers and COC. Completed	YES	NO	
11: Complete Laboratory Tracking Sheet (LTS). Completed	YES	NO	NA
12: Start Nonconformance form.	YES	NO	NA
13: Initiate Subcontracting procedure. Completed	YES	NO	NA
14: Check laboratory sample number on all containers and COC.	YES	NO	NA

hort Hold-time tests:

8 Hours or less oliform (6 hrs) exavalent Chromium (24 Hrs) OD itrite or Nitrate ow Level Mercury rtho Phosphorus rbidity rfactants lfite Core Preservation lor	7 days Flashpoint TSS Total Solids TDS Sulfide Free Liquids Total Volatile Solids Aqueous Extractable Organics- ALL Unpreserved VOC's Ash	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.

ev. 9/5/2001, Attachment to 1-REC-5.
bject to QA Audit.
everyone/forms/samplereceiving/crl.doc

Reviewed by/date DLA 3/25

Batch No. 920866

En Chem, Inc. Cooler Receipt Log

Project Name or ID Roxanna Marsh No. of Coolers: 7 Temps: 3, 2, 3, 3, 1, 4, 3 °C

A. Receipt Phase: Date cooler was opened: 3/22/02 **By:** RJC

1: Were samples received on ice? (Must be ≤ 6 C)	YES	NO[2]	
2. Was there a Temperature Blank?	YES	NO	
3: Were custody seals present and intact? (Record on COC)	YES	NO	
4: Are COC documents present?	YES	NO[2]	
5: Does this Project require quick turn around analysis?	YES	NO	
6: Is there any sub-work?	YES	NO	
7: Are there any short hold time tests?	YES	NO	
8: Are any samples nearing expiration of hold-time? (Within 2 days)	YES[1]	NO	Contacted by/Who
9: Do any samples need to be Filtered or Preserved in the lab?	YES[1]	NO	Contacted by/Who

B. Check-in Phase: Date samples were Checked-in: 3/22/02 **By:** RJC

1: Were all sample containers listed on the COC received and intact?	YES	NO[2]	NA — broken lids - see NC RJC
2: Sign the COC as received by En Chem. Completed	YES	NO	
3: Do sample labels match the COC?	YES	NO[2]	
4: Check sample pH of preserved samples. (Not VOCs) Completed	YES	NO	NA
5: Do samples have correct chemical preservation?	YES	NO[2]	NA
6: Are dissolved parameters field filtered?	YES	NO[2]	NA
7: Are sample volumes adequate for tests requested?	YES	NO[2]	
8: Are VOC samples free of bubbles >6mm	YES	NO[2]	NA
9: Enter samples into logbook. Completed	YES	NO	
10: Place laboratory sample number on all containers and COC. Completed	YES	NO	
11: Complete Laboratory Tracking Sheet (LTS). Completed	YES	NO	NA
12: Start Nonconformance form.	YES	NO	NA
13: Initiate Subcontracting procedure. Completed	YES	NO	NA
14: Check laboratory sample number on all containers and COC.	YES	NO	NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
In Core Preservation	Ash	
Color		

Rev. 9/5/2001, Attachment to 1-REC-5.
Subject to QA Audit.
/everyone/forms/samplereceiving/crl.doc

Reviewed by/date MQ 3/25

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-01-CS-1-2
Lab Sample Number : 920839-024
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.946	0.946	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0903	1.54	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.0613	1.03	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.807	2.22	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		1.28	1.81	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		1.95	0.556	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	1.15	1.15	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.320	1.96	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	1.07	1.07	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		31.7	1.96	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		27.2	1.76	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-01-CS-2-3.9
Lab Sample Number : 920839-025
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.855	0.855	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0372	1.39	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.0105	0.927	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.225	2.00	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.474	1.64	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.234	0.503	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	1.04	1.04	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.273	1.77	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.965	0.965	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		3.71	1.77	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		2.44	1.59	umole/g	A	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-11-SS
Lab Sample Number : 920866-001
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0144	0.950	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.0552	1.54	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.0647	1.03	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	1.15	2.23	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Copper - SEM	0.0974	1.82	umole/g	BA	04/16/02	EPA DRAFT	EPA DRAFT
Lead - SEM	3.80	0.559	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 1.15	1.15	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	0.764	1.97	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 1.07	1.07	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	23.0	2.20	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	17.0	1.77	umole/g		04/16/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-03-CS-2.3-4.8
Lab Sample Number : 920866-002
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.266	0.266	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0204	0.432	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.000671	0.288	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0155	0.623	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.0499	0.510	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.0199	0.156	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.323	0.323	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.0590	0.552	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.300	0.300	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		0.368	0.623	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		0.199	0.495	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-03-CS-0.8-2.3
Lab Sample Number : 920866-005
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.318	0.318	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0213	0.517	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.00392	0.345	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0755	0.745	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.177	0.610	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.0864	0.187	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.386	0.386	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.235	0.660	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.359	0.359	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		1.62	0.745	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		1.02	0.593	umole/g	A	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-20-SS
Lab Sample Number : 920866-006
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.561	0.561	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0794	0.912	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.226	0.608	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.812	1.31	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.780	1.07	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		10.4	0.330	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.681	0.681	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.282	1.16	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.633	0.633	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		84.5	1.31	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		71.9	2.09	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-14-SS
Lab Sample Number : 920866-007
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM		0.0425	0.838	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.147	1.36	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.145	0.908	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		4.27	1.96	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		2.60	1.61	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		4.59	0.492	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	1.02	1.02	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		1.83	1.74	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.946	0.946	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		50.7	1.96	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		37.1	1.56	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-21-SS
Lab Sample Number : 920866-008
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0304	0.698	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.160	1.14	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.122	0.757	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	1.94	1.64	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM	2.23	1.34	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM	4.84	0.410	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.848	0.848	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.31	1.45	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	< 0.788	0.788	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	42.9	1.64	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	32.3	1.30	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-19-SS
Lab Sample Number : 920866-009
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0130	0.662	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.361	1.08	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.764	0.718	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	12.8	1.55	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM	3.48	1.27	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM	11.1	0.389	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 0.804	0.804	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	1.93	1.37	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.00247	0.747	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	126	1.55	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	95.7	2.47	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-18-SS
Lab Sample Number : 920866-010
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	0.0903	0.828	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM	0.702	1.35	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM	0.247	0.897	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM	19.2	1.94	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM	4.91	1.59	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM	7.05	0.486	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	< 1.01	1.01	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM	2.12	1.72	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	0.0199	0.934	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals	82.2	1.94	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM	47.9	1.54	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-13-SS
Lab Sample Number : 920866-011
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM		0.0201	0.715	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.115	1.16	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.130	0.775	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		1.93	1.68	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		1.17	1.37	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		5.98	0.420	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.868	0.868	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		1.33	1.48	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.807	0.807	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		42.2	1.68	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		31.5	1.33	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-07-CS-2.6-5.4
Lab Sample Number : 920866-015
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.293	0.293	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0178	0.477	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.000969	0.318	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0240	0.687	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.0633	0.562	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.0259	0.172	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.712	0.712	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.0828	0.609	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.331	0.331	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		0.495	0.687	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		0.276	0.546	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-07-CS-0.5-2.6
Lab Sample Number : 920866-016
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.439	0.439	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0382	0.713	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.00713	0.475	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.120	1.03	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.300	0.841	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.210	0.258	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.533	0.533	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.243	0.910	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.495	0.495	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		2.56	1.03	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		1.63	0.817	umole/g	A	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-20-CS-0.8-2.4
Lab Sample Number : 920866-017
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.539	0.539	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0415	0.876	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.00901	0.584	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0304	1.26	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.231	1.03	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.109	0.317	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.654	0.654	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.129	1.12	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.608	0.608	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		5.92	1.26	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		5.36	1.00	umole/g		04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-21-CS-3.6-5.6
Lab Sample Number : 920866-019
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.650	0.650	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0283	1.06	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.00627	0.704	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0814	1.52	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.279	1.24	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.101	0.382	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.789	0.789	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.165	1.35	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.733	0.733	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		2.02	1.52	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		1.35	1.21	umole/g	A	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-01-CS-3.6-5.6
Lab Sample Number : 920866-020
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.916	0.916	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0566	1.49	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.0101	0.993	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.185	2.15	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.383	1.76	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.188	0.539	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM		0.00157	1.11	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.247	1.90	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	1.03	1.03	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		3.82	1.90	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		2.73	1.71	umole/g	A	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-21-CS-7.0-9.0
Lab Sample Number : 920866-021
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.496	0.496	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0216	0.806	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.00470	0.537	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0315	1.16	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Copper- SEM		0.212	0.950	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.0478	0.291	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Mercury - SEM		0.00130	0.602	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.131	1.03	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.560	0.560	umole/g		04/14/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		1.08	1.16	umole/g	B	04/14/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		0.624	0.923	umole/g	BA	04/14/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-01-CS-7.0-9.0
Lab Sample Number : 920866-022
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 5/6/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Antimony - SEM	<	0.503	0.503	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Arsenic - SEM		0.0117	0.818	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Cadmium - SEM		0.00187	0.545	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Chromium - SEM		0.0387	1.18	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Copper - SEM		0.240	0.964	umole/g	BA	04/16/02	EPA DRAFT	EPA DRAFT
Lead - SEM		0.0553	0.296	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Mercury - SEM	<	0.611	0.611	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Nickel - SEM		0.125	1.04	umole/g	BA	04/16/02	EPA DRAFT	EPA DRAFT
Silver - SEM	<	0.568	0.568	umole/g		04/16/02	EPA DRAFT	EPA DRAFT
Simultaneously Extracted Metals		1.17	1.20	umole/g	B	04/16/02	EPA DRAFT	EPA DRAFT
Zinc - SEM		0.694	0.937	umole/g	BA	04/16/02	EPA DRAFT	EPA DRAFT

All soil results are reported on a dry weight basis unless otherwise noted.