SEVERN TRENT SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
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May 30, 2001

STL LOT NUMBER: **E1E240358**
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-00-S56

Bob Logan
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 10
Irvine, CA 92612

Dear Mr. Logan,

This report contains the analytical results for the 17 samples received under chain of custody by Severn Trent Laboratories (STL Los Angeles) on May 24, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed in our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

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This report contains _____ pages.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0124518

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Kennedy Jenks	Project Manager: Jay Knight / Bob Logan	Date	Chain of Custody Number: 051782
Address: 2151 Michelson Dr. Ste 100	Telephone Number (Area Code)/Fax Number: 949 261-1577	Lab Number	Page ____ of ____
City: Irvine; State: CA; Zip Code:	Site Contact	Lab Contact	
Project Name and Location (State): Boeing C-6 Torrance, CA.	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	BTS	Cu	Special Instructions/ Conditions of Receipt
C-2-12-25	5/24/01	9:55				X	X						1	X	
" -30		10:10												X	
" -40		10:15												X	
" -50		10:20												X	
C-2-12-3-25		11:15												X	
" -30		11:20												X	
" -40		11:35												X	
" -50		11:45												X	
C-2-12-2-25		1:35												X	
" 30		1:45												X	
" 40		2:00												X	
" 50	5/24/01	2:10				X	X						1	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 DAY

QC Requirements (Specify)

1. Relinquished By: Tim Doyle	Date: 5/24/01	Time: 3:30	1. Received By: [signature]	Date: 5-24-01	Time: 1530
2. Relinquished By: [signature]	Date: 5-24-01	Time: 1635	2. Received By: Pacific	Date: 5/24/01	Time: 16:17
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

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BOE-C6-0124519

[redacted]

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Kennedy Jenks	Project Manager: Jay Knight / Bob Logan	Date:	Chain of Custody Number: 051781
Address: 2151 Michelson Dr. Ste 100	Telephone Number (Area Code)/Fax Number: 949-261-1577	Lab Number:	Page ____ of ____
City: Irvine; State: CA; Zip Code:	Site Contact:	Lab Contact:	
Project Name and Location (State): Boeing C-6 Torrance, CA	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed): CW; VOC's

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MS	CW	VOC's
C-2-12-1-25	5/24/01	3:00				X	X						1	X	
" 30		3:10				X	X						1	X	
" 40		3:20				X	X						1	X	
" 50		3:30				X	X						1	X	
~~Rinsate 5/24/01~~	5/24/01	3:30		X	X								1		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 DAY

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Trish Daylor	5/24/01	3:30	1. Received By: [signature]	5-24-01	1530
2. Relinquished By: [signature]	5-24-01	1585	2. Received By: [signature]	5/24/01	16:55
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

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BOE-C6-0124520

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 5/24/01

Quantims Lot #: EIE 240358

Quote #: 38629

Client Name: Kennedy Jenks

Project: Boeing C-6

Received by: Pacolta

Date/Time Received: 5/24/01 16:17

Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other Hilleh

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AR 5/24

Custody Seal #(s): ☒No Seal # .....

Sample Container(s): ☐STL-LA ☒Client ☐N/A .....

Temperature(s) (COOLER/BLANK) in °C: 6° C (CORRECTED TEMP) .....

Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....

Samples: ☒Intact ☐Broken ☐Other .....

Anomalies: ☒No ☐Yes (See Clouseau) .....

Labeled by ..... AR .....

Labeling checked by .....

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL ..... 5 days

Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) : — none

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1→16	17									PH
VOAh *		1									N/A
B Sleeve	1										—

h:HCl n:Sodium Hydroxide znac:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/l:HNO3-Lab filtered

CGL:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: Pacolta 5/24/01 REVIEWED BY/DATE: T Shoun 5-25-01

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BOE-C6-0124521

EXECUTIVE SUMMARY - Detection Highlights

E1E240358

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
C_2_12_25 05/24/01 09:55 001				
Copper	47.4	2.5	mg/kg	SW846 6010B
C_2_12_30 05/24/01 10:10 002				
Copper	39.1	2.5	mg/kg	SW846 6010B
C_2_12_40 05/24/01 10:15 003				
Copper	8.0	2.5	mg/kg	SW846 6010B
C_2_12_50 05/24/01 10:20 004				
Copper	11.7	2.5	mg/kg	SW846 6010B
C_2_12_3_25 05/24/01 11:15 005				
Copper	45.2	2.5	mg/kg	SW846 6010B
C_2_12_3_30 05/24/01 11:20 006				
Copper	40.5	2.5	mg/kg	SW846 6010B
C_2_12_3_40 05/24/01 11:35 007				
Copper	7.6	2.5	mg/kg	SW846 6010B
C_2_12_3_50 05/24/01 11:45 008				
Copper	31.3	2.5	mg/kg	SW846 6010B
C_2_12_2_25 05/24/01 13:35 009				
Copper	44.2	2.5	mg/kg	SW846 6010B
C_2_12_2_30 05/24/01 13:45 010				
Copper	28.1	2.5	mg/kg	SW846 6010B
C_2_12_2_40 05/24/01 14:00 011				
Copper	10.6	2.5	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1E240358

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
C_2_12_2_50 05/24/01 14:10 012				
Copper	32.1	2.5	mg/kg	SW846 6010B
C_2_12_1_25 05/24/01 15:00 013				
Copper	49.1	2.5	mg/kg	SW846 6010B
C_2_12_1_30 05/24/01 15:10 014				
Copper	24.1	2.5	mg/kg	SW846 6010B
C_2_12_1_40 05/24/01 15:20 015				
Copper	7.9	2.5	mg/kg	SW846 6010B
C_2_12_1_50 05/24/01 15:30 016				
Copper	5.5	2.5	mg/kg	SW846 6010B

METHODS SUMMARY

E1E240358

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E1E240358

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EDXVN	001	C_2_12_25	05/24/01	09:55
EDXVP	002	C_2_12_30	05/24/01	10:10
EDXVQ	003	C_2_12_40	05/24/01	10:15
EDXVR	004	C_2_12_50	05/24/01	10:20
EDXVT	005	C_2_12_3_25	05/24/01	11:15
EDXVV	006	C_2_12_3_30	05/24/01	11:20
EDXVW	007	C_2_12_3_40	05/24/01	11:35
EDXVX	008	C_2_12_3_50	05/24/01	11:45
EDXV0	009	C_2_12_2_25	05/24/01	13:35
EDXV1	010	C_2_12_2_30	05/24/01	13:45
EDXV2	011	C_2_12_2_40	05/24/01	14:00
EDXV3	012	C_2_12_2_50	05/24/01	14:10
EDXV4	013	C_2_12_1_25	05/24/01	15:00
EDXV5	014	C_2_12_1_30	05/24/01	15:10
EDXV6	015	C_2_12_1_40	05/24/01	15:20
EDXV7	016	C_2_12_1_50	05/24/01	15:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_25

TOTAL Metals

Lot-Sample #...: E1E240358-001 **Matrix.....:** SO
Date Sampled...: 05/24/01 09:55 **Date Received..:** 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	**47.4**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/29/01**	**EDXVN1AA**
		Dilution Factor: 1		Analysis Time..: 17:38	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_30

TOTAL Metals

Lot-Sample #...: E1E240358-002 Matrix.....: SO
Date Sampled...: 05/24/01 10:10 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	39.1	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVP1AA
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_40

TOTAL Metals

Lot-Sample #...: E1E240358-003 Matrix.....: SO
Date Sampled...: 05/24/01 10:15 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	8.0	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVQ1AA
		Dilution Factor: 1		Analysis Time..: 17:50	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_50

TOTAL Metals

Lot-Sample #...: E1E240358-004 Matrix.....: SO
Date Sampled...: 05/24/01 10:20 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	11.7	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVR1AA
		Dilution Factor: 1		Analysis Time..: 17:57	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_3_25

TOTAL Metals

Lot-Sample #...: E1E240358-005 Matrix.....: SO
Date Sampled...: 05/24/01 11:15 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	45.2	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVT1AA
		Dilution Factor: 1		Analysis Time..: 18:05	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_3_30

TOTAL Metals

Lot-Sample #...: E1E240358-006 Matrix.....: SO
Date Sampled...: 05/24/01 11:20 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145482						
Copper	40.5	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVV1AA
		Dilution Factor: 1		Analysis Time..: 19:52	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145265	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_3_40

TOTAL Metals

Lot-Sample #...: E1E240358-007 Matrix.....: SO
Date Sampled...: 05/24/01 11:35 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145482						
Copper	7.6	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVW1AA
		Dilution Factor: 1		Analysis Time..: 19:58	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145265	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_3_50

TOTAL Metals

Lot-Sample #...: E1E240358-008 Matrix.....: SO
Date Sampled...: 05/24/01 11:45 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145482						
Copper	31.3	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXVX1AA
		Dilution Factor: 1		Analysis Time..: 20:05	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145265	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_2_25

TOTAL Metals

Lot-Sample #...: E1E240358-009 Matrix.....: SO
Date Sampled...: 05/24/01 13:35 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	44.2	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV01AA
		Dilution Factor: 1		Analysis Time..: 18:28	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_2_30

TOTAL Metals

Lot-Sample #...: E1E240358-010 Matrix.....: SO
Date Sampled...: 05/24/01 13:45 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	28.1	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV11AA
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_2_40

TOTAL Metals

Lot-Sample #...: E1E240358-011 Matrix.....: SO
Date Sampled...: 05/24/01 14:00 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	10.6	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV21AA
		Dilution Factor: 1		Analysis Time..: 18:43	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_2_50

TOTAL Metals

Lot-Sample #...: E1E240358-012 Matrix.....: SO
Date Sampled...: 05/24/01 14:10 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	32.1	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV31AA
		Dilution Factor: 1		Analysis Time..: 18:50	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_1_25

TOTAL Metals

Lot-Sample #...: E1E240358-013 Matrix.....: SO
Date Sampled...: 05/24/01 15:00 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	49.1	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV41AA
		Dilution Factor: 1		Analysis Time..: 18:56	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_1_30

TOTAL Metals

Lot-Sample #...: E1E240358-014 Matrix.....: SO
Date Sampled...: 05/24/01 15:10 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	24.1	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV51AA
		Dilution Factor: 1		Analysis Time..: 19:03	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_1_40

TOTAL Metals

Lot-Sample #...: E1E240358-015 Matrix.....: SO
Date Sampled...: 05/24/01 15:20 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	7.9	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV61AA
		Dilution Factor: 1		Analysis Time..: 19:09	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_2_12_1_50

TOTAL Metals

Lot-Sample #...: E1E240358-016 Matrix.....: SO
Date Sampled...: 05/24/01 15:30 Date Received..: 05/24/01 16:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1145476						
Copper	5.5	2.5	mg/kg	SW846 6010B	05/25-05/29/01	EDXV71AA
		Dilution Factor: 1		Analysis Time..: 19:16	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1145263	MDL.....: 0.40	

QC DATA ASSOCIATION SUMMARY

E1E240358

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 6010B		1145476	1145263
002	SO	SW846 6010B		1145476	1145263
003	SO	SW846 6010B		1145476	1145263
004	SO	SW846 6010B		1145476	1145263
005	SO	SW846 6010B		1145476	1145263
006	SO	SW846 6010B		1145482	1145265
007	SO	SW846 6010B		1145482	1145265
008	SO	SW846 6010B		1145482	1145265
009	SO	SW846 6010B		1145476	1145263
010	SO	SW846 6010B		1145476	1145263
011	SO	SW846 6010B		1145476	1145263
012	SO	SW846 6010B		1145476	1145263
013	SO	SW846 6010B		1145476	1145263
014	SO	SW846 6010B		1145476	1145263
015	SO	SW846 6010B		1145476	1145263
016	SO	SW846 6010B		1145476	1145263

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1E240358 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1E250000-476		**Prep Batch #...:** 1145476				
Copper	ND	2.5	mg/kg	SW846 6010B	05/25-05/29/01	ED1201AJ
		Dilution Factor: 1				
		Analysis Time..: 15:59		Analyst ID.....: 003119	Instrument ID..: M01	
MB Lot-Sample #: E1E250000-482		**Prep Batch #...:** 1145482				
Copper	ND	2.5	mg/kg	SW846 6010B	05/25-05/29/01	ED1251AM
		Dilution Factor: 1				
		Analysis Time..: 19:37		Analyst ID.....: 003119	Instrument ID..: M01	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E240358 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1E250000-476 **Prep Batch #...:** 1145476							
Copper	25.0	24.8	mg/kg	99	SW846 6010B	05/25-05/29/01	ED1201A4
			Dilution Factor: 1				
			Analysis Time..: 16:06		Analyst ID.....: 003119	Instrument ID..: M01	
LCS Lot-Sample#: E1E250000-482 **Prep Batch #...:** 1145482							
Copper	25.0	24.1	mg/kg	96	SW846 6010B	05/25-05/29/01	ED1251A6
			Dilution Factor: 1				
			Analysis Time..: 19:44		Analyst ID.....: 003119	Instrument ID..: M01	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E240358 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1E250000-476 **Prep Batch #...:** 1145476					
Copper	99	(80 - 120)	SW846 6010B	05/25-05/29/01	ED1201A4
		Dilution Factor: 1			
		Analysis Time..: 16:06	Analyst ID.....: 003119	Instrument ID..: M01	
LCS Lot-Sample#: E1E250000-482 **Prep Batch #...:** 1145482					
Copper	96	(80 - 120)	SW846 6010B	05/25-05/29/01	ED1251A6
		Dilution Factor: 1			
		Analysis Time..: 19:44	Analyst ID.....: 003119	Instrument ID..: M01	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E240358 **Matrix.....:** SOLID
Date Sampled...: 05/24/01 13:15 **Date Received..:** 05/24/01 16:55

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E240353-006 **Prep Batch #...:** 1145476									
Copper									
	20.6	25.0	52.9 N	mg/kg	129		SW846 6010B	05/25-05/29/01	EDXTV1CD
	20.6	25.0	48.5	mg/kg	112	8.6	SW846 6010B	05/25-05/29/01	EDXTV1CE

Dilution Factor: 1
Analysis Time..: 16:26 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1145263

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E240358 **Matrix.....:** SOLID
Date Sampled...: 05/24/01 13:15 **Date Received..:** 05/24/01 16:55

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E240353-006 **Prep Batch #...:** 1145476							
Copper	129 N	(80 - 120)			SW846 6010B	05/25-05/29/01	EDXTV1CD
	112	(80 - 120)	8.6	(0-25)	SW846 6010B	05/25-05/29/01	EDXTV1CE

Dilution Factor: 1
Analysis Time..: 16:26 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1145263

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.