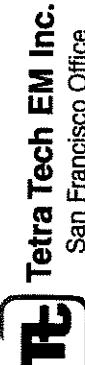


APPENDIX B
CHAINS OF CUSTODY AND LABORATORY DATA SHEETS



167746

Chain of Custody Record

No. 4505

Page 1 of 2

San Francisco Office

135 Main St. Suite 1800
San Francisco, CA 94105

CPR

Fax 415-543-5480

032238

C+T

Lab:

PO#:

032238

Date:

09/24/03

Time:

10:00

Comments:

Initials:

Signature:

Title:

Project Manager:

Project ID:

Project Name:

Project Type:

Project Location:

Project Status:

Project Start Date:

Project End Date:

Project Lead:

Project Lead Signature:

Project Lead Title:

Project Lead Company:

Project Lead Address:

Project Lead City:

Project Lead State:

Project Lead Zip:

Project Lead Phone:

Project Lead Email:

Project Lead Fax:

Project Lead Notes:

Project Lead Address 2:

Project Lead City 2:

Project Lead State 2:

Project Lead Zip 2:

Project Lead Phone 2:

Project Lead Email 2:

Project Lead Fax 2:

Project Lead Notes 2:

Project Lead Address 3:

Project Lead City 3:

Project Lead State 3:

Project Lead Zip 3:

Project Lead Phone 3:

Project Lead Email 3:

Project Lead Fax 3:

Project Lead Notes 3:

Project Lead Address 4:

Project Lead City 4:

Project Lead State 4:

Project Lead Zip 4:

Project Lead Phone 4:

Project Lead Email 4:

Project Lead Fax 4:

Project Lead Notes 4:

Project Lead Address 5:

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Project Lead Notes 5:

Project Lead Address 6:

Project Lead City 6:

Project Lead State 6:

Project Lead Zip 6:

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Project Lead Fax 6:

Project Lead Notes 6:

Project Lead Address 7:

Project Lead City 7:

Project Lead State 7:

Project Lead Zip 7:

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Project Lead Notes 7:

Project Lead Address 8:

Project Lead City 8:

Project Lead State 8:

Project Lead Zip 8:

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Project Lead Address 9:

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Project Lead City 15:

Project Lead State 15:

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Project Lead Notes 34:

Project Lead Address 35:

Project Lead City 35:

Project Lead State 35:

Project Lead Zip 35:

Project Lead Phone 35:

Project Lead Email 35:

Project Lead Fax 35:

Project Lead Notes 35:

Project Lead Address 36:

Project Lead City 36:

Project Lead State 36:

Project Lead Zip 36:

Project Lead Phone 36:

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Project Lead Address 37:

Project Lead City 37:

Project Lead State 37:

Project Lead Zip 37:

Project Lead Phone 37:

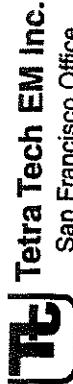
Project Lead Email 37:

Project Lead Fax 37:

Project Lead Notes 37:

Project Lead Address 38:

Project Lead City 38:



167746
Chain of Custody Record No. 4506

San Francisco Office

135 Main St. Suite 1800
San Francisco, CA 94105

415-543-4880
Fax 415-543-5480

Page 2 of 2

4506

032238

C + T

Lab:

TLEMI technical contact:

Sar D. Woolley

Field samplers:

Bob Lusardi
Hilson Greenly

TLEMI project manager:

Brenda Alcock

Field samplers' signatures:

[Signature]

Sample ID

Sample Location (Pt. ID)

FwCRSS023

MS / MSD

40 ml VOA

1 Liter Amber

500 ml Poly

Glass Jar

Screen

Pest/PCBs

VOA

SVOA

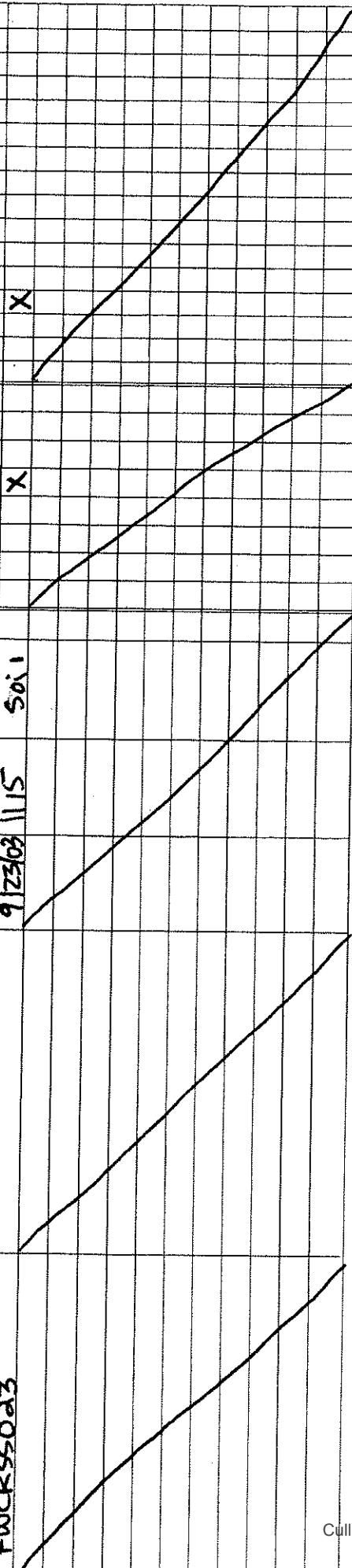
Meters

TPH Purgeables

TPH Extractables

Preservative Added

Analysis Required



Cullinan Ranch Estoppel Project Phase I EIS/EIR

Relinquished by:	Name (print)	Company Name	Date	Time
<i>Robert J. Green</i>	Bob Lusardi	T + ENT	9/23	1800
<i>Zony E. Antweiler</i>	Troy Windsor	Curtis & Tompkins	9/24-03	0910
Received by:				
Relinquished by:				
Received by:				
Turnaround time/remarks:	Please archive all samples.			

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 3 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd



Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 167746 Date Received: 9-24-03 Number of Coolers: 1
Client: ITEM I Project: Cullinan Ranch

A. Preliminary Examination Phase

Date Opened: 9-24-03 By (print): Troy Windsor (sign) Troy E. Windsor
1. Did cooler come with a shipping slip (airbill, etc.)? YES NO
If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler? YES NO
How many and where? 1 over cooler top Seal date: 9-23-03 Seal name: Rob Lusardi
3. Were custody seals unbroken and intact at the date and time of arrival? YES NO
4. Were custody papers dry and intact when received? YES NO
5. Were custody papers filled out properly (ink, signed, etc.)? YES NO
6. Did you sign the custody papers in the appropriate place? YES NO
7. Was project identifiable from custody papers? YES NO
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: Wet Temperature: 4.0

B. Login Phase

Date Logged In: 9-24-03 By (print): Troy Windsor (sign) Troy E. Windsor
1. Describe type of packing in cooler: Bubble wrap YES NO
2. Did all bottles arrive unbroken? YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? .. YES NO
4. Did bottle labels agree with custody papers? YES NO
5. Were appropriate containers used for the tests indicated? YES NO
6. Were correct preservatives added to samples? YES NO N/A
7. Was sufficient amount of sample sent for tests indicated? YES NO
8. Were bubbles absent in VOA samples? If NO, list sample IDs below YES NO N/A
9. Was the client contacted concerning this sample delivery? YES NO
If YES, give details below.

Who was called? _____ By whom? _____ Date: _____

Additional Comments:



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS001	Basis:	dry
Lab ID:	167746-001	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 8%

Analyte	Result	RL	Diln Factor	Prepared	Analyzed	Prep	Analysis
Aluminum	12,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050
Antimony	1.8 J	3.1	1.000	84836	09/25/03	09/26/03	EPA 3050
Arsenic	7.0	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050
Barium	83	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050
Beryllium	0.57	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050
Cadmium	ND	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050
Calcium	6,200	26	1.000	84836	09/25/03	09/29/03	EPA 3050
Chromium	27	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050
Cobalt	12	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050
Copper	38	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050
Iron	26,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050
Lead	22	0.15	1.000	84836	09/25/03	09/26/03	EPA 3050
Magnesium	5,700	26	1.000	84836	09/25/03	09/29/03	EPA 3050
Manganese	560	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050
Mercury	0.10	0.018	1.000	84972	10/01/03	10/01/03	METHOD
Molybdenum	0.79 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050
Nickel	31	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050
Potassium	2,100	26	1.000	84836	09/25/03	09/29/03	EPA 3050
Selenium	0.82	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050
Silver	0.069 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050
Sodium	190	26	1.000	84836	09/25/03	09/29/03	EPA 3050
Thallium	0.32	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050
Vanadium	47	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050
Zinc	240	1.0	1.000	84836	09/25/03	09/29/03	EPA 3050

J= Estimated value
D= Not Detected
L= Reporting Limit
age 1 of 1

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS002	Basis:	dry
Lab ID:	167746-002	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 9%

Analyte	Result	RI	Dilution Factor	Sample ID	Prepared	Analyzed	Prep	Analytical
Aluminum	16,000	25	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	1.3 J	3.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	7.2	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	110	0.50	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.44	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	0.081 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	24,000	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Chromium	32	0.50	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	14	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	47	0.50	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	35,000	25	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	7.6	0.15	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	7,800	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	1,500	2.5	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.088	0.018	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.37 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	42	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	1,500	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	ND	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.078 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	100	25	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	2.4	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	39	0.50	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	71	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS003	Basis:	dry
Lab ID:	167746-003	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 6%

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	15,000	25	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA	6010B
Antimony	0.92 J	3.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Arsenic	7.8	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Barium	78	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Beryllium	0.60	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Cadmium	0.23 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Calcium	2,500	25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Chromium	31	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Cobalt	12	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Copper	42	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Iron	31,000	25	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA	6010B
Lead	29	0.15	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Magnesium	4,900	25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Manganese	750	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Mercury	0.10	0.019	1.000	84972	10/01/03	10/01/03	METHOD	EPA	7471
Molybdenum	0.68 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Nickel	29	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Potassium	2,000	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA	6010B
Selenium	0.20 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Silver	0.070 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Sodium	95	25	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA	6010B
Thallium	1.3	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Vanadium	39	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA	6010B
Zinc	1,500	5.1	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA	6010B

J= Estimated value

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS004	Basis:	dry
Lab ID:	167746-004	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 11%

Analyte	Result	RI	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	16,000	25	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	1.1 J	3.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	8.3	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	100	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.50	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	ND	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	3,500	25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	34	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	23	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	53	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	36,000	25	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	12	0.15	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	7,300	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	880	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.096	0.019	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.41 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	46	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	1,500	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	0.19 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.10 J	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	95	25	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	1.6	0.25	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	44	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	340	5.1	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

Page 1 of 1

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS005	Basis:	dry
Lab ID:	167746-005	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 11%

Analyte	Result	PL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analyst
Aluminum	13,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	0.80 J	3.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	6.8	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	78	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.42	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	0.13 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	3,900	26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	30	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	11	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	41	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	26,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	28	0.16	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	6,000	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	720	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.16	0.022	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.59 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	36	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	2,100	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	0.21 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.062 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	130	26	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	1.3	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	39	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	620	5.2	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B

 J= Estimated value
 L= Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS006	Basis:	dry
Lab ID:	167746-006	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 11%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	12,000	27	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	0.83 J	3.2	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	7.1	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	86	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.39	0.11	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	0.062 J	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	3,100	27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	27	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	11	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	39	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	25,000	27	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	16	0.16	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	5,100	27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Manganese	670	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.086	0.018	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.38 J	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	35	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	1,600	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	ND	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.063 J	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	110	27	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	0.93	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	35	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	150	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS007	Basis:	dry
Lab ID:	167746-007	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 18%

Analyte	Result	SL	Dilution Factor	Batch#	Precipitated	Analyzed	Prep.	Analysis
Aluminum	11,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	0.86 J	3.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	6.7	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	76	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.41	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	0.034 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	3,200	26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	24	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	15	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	43	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	25,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	12	0.15	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	4,500	26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Manganese	600	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.14	0.020	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.29 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	32	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	1,600	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	0.20 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	ND	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	70	26	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	1.2	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	29	0.51	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	280	5.1	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value
 ND= Not Detected
 UL= Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS008	Basis:	dry
Lab ID:	167746-008	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 11%

Analyte	Result	RI	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	10,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	0.67 J	3.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	5.3	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	31	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.22	0.10	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	ND	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	2,900	26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	27	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	4.4	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	36	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	20,000	26	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	5.0	0.16	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	4,900	26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Manganese	97	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.089	0.020	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.18 J	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	28	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	760	130	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	ND	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	ND	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	78	26	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	0.23 J	0.26	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	33	0.52	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	47	1.0	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value

"D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS009	Basis:	dry
Lab ID:	167746-009	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 8%

Analyte	Result	RL	Bldh	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	12,000	23	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B	
Antimony	0.86 J	2.8	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Arsenic	7.0	0.23	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Barium	83	0.46	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Beryllium	0.44	0.092	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Cadmium	0.068 J	0.23	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Calcium	3,700	23	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Chromium	.25	0.46	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Cobalt	12	0.92	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Copper	40	0.46	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Iron	27,000	23	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B	
Lead	17	0.14	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Magnesium	5,500	110	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B	
Manganese	490	0.46	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Mercury	0.099	0.021	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471	
Molybdenum	0.37 J	0.92	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Nickel	31	0.92	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Potassium	1,500	110	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B	
Selenium	0.29	0.23	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Silver	0.029 J	0.23	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Sodium	180	23	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B	
Thallium	0.99	0.23	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Vanadium	36	0.46	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	
Zinc	80	0.92	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B	

J= Estimated value

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS010	Basis:	dry
Lab ID:	167746-010	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 18%

Analyte	Result	SL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	14,000	27	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	1.0 J	3.3	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	9.1	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	150	0.55	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.60	0.11	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	ND	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	6,500	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Chromium	31	0.55	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	12	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	43	0.55	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	29,000	27	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	7.3	0.16	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	6,900	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	780	0.55	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.13	0.021	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.35 J	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	37	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	1,000	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	ND	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.059 J	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	150	27	1.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	1.3	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	39	0.55	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	67	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS021	Basis:	dry
Lab ID:	167746-011	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 21%

Analyte	Result	RL	Dilution Factor	Batch#	Prepared	Analyst	Prep	Analyst
Aluminum	20,000	27	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	1.9 J	3.3	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	8.0	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	51	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.33	0.11	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	0.097 J	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	2,500	27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	61	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	11	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	42	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	31,000	27	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	22	0.16	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	13,000	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	470	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.22	0.025	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	1.2	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	50	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	3,700	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	ND	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	ND	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	16,000	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	0.49	0.27	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	60	0.54	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	61	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value
 D= Not Detected
 L= Reporting Limit
 age 1 of 1



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS022	Basis:	dry
Lab ID:	167746-012	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 27%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	24,000	32	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	2.3 J	3.8	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	11	0.32	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	46	0.64	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.53	0.13	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	ND	0.32	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	1,500	32	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	71	0.64	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	8.6	1.3	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	40	0.64	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	40,000	32	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	23	0.19	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	8,300	160	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	200	0.64	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.19	0.024	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	1.7	1.3	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	48	1.3	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	3,400	160	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	0.71	0.32	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.097 J	0.32	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	3,200	160	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	ND	0.32	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	69	0.64	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	66	1.3	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS023	Basis:	dry
Lab ID:	167746-013	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 23%

Analyte	Result	RL	EFIN Pac	Batch#	Precipitated	Analyzed	Prep	Analysis
Aluminum	22,000	28	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	2.1 J	3.4	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	9.7	0.28	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	42	0.56	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.23	0.11	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cadmium	ND	0.28	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Calcium	1,200	28	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Chromium	72	0.56	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Cobalt	6.9	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Copper	31	0.56	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Iron	47,000	140	25.00	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Lead	17	0.17	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	7,500	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	160	0.56	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.069	0.025	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	1.3	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	38	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	4,200	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	0.87	0.28	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.039 J	0.28	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	5,700	140	5.000	84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	ND	0.28	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	67	0.56	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	54	1.1	1.000	84836	09/25/03	09/26/03	EPA 3050	EPA 6010B

J= Estimated value

ND= Not Detected

RL= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Type:	BLANK	Basis:	as received
Lab ID:	QC226974	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84836
Units:	mg/Kg	Prepared:	09/25/03

Analyte	Result	RL	Analyzed
Aluminum	ND	5.0	09/26/03
Antimony	ND	3.0	09/26/03
Arsenic	ND	0.25	09/26/03
Barium	ND	0.50	09/26/03
Beryllium	ND	0.10	09/26/03
Cadmium	0.027 J	0.25	09/26/03
Calcium	0.74 J	25	09/26/03
Chromium	0.31 J	0.50	09/26/03
Cobalt	ND	1.0	09/26/03
Copper	ND	0.50	09/26/03
Iron	2.7 J	5.0	09/26/03
Lead	ND	0.15	09/26/03
Magnesium	ND	25	09/26/03
Manganese	0.016 J	0.50	09/26/03
Molybdenum	0.16 J	1.0	09/26/03
Nickel	ND	1.0	09/26/03
Potassium	ND	25	09/29/03
Selenium	ND	0.25	09/26/03
Silver	0.044 J	0.25	09/26/03
Sodium	ND	25	09/29/03
Thallium	ND	0.25	09/26/03
Vanadium	ND	0.50	09/26/03
Zinc	0.35 J	1.0	09/26/03

J= Estimated value

ND= Not Detected

RL= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC227513	Batch#:	84972
Matrix:	Soil	Prepared:	10/01/03
Units:	mg/Kg	Analyzed:	10/01/03

Result	RL
0.0097 J	0.020

J= Estimated value

RL= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	84836
Basis:	as received	Prepared:	09/25/03

Type: BS Lab ID: QC226975

Analyte	Spiked	Result	REC	Limits	Analyzed
Aluminum	1,000	951.0	95	57-120	09/26/03
Antimony	100.0	105.5	106	73-134	09/26/03
Arsenic	50.00	49.15	98	74-120	09/26/03
Barium	100.0	93.00	93	72-120	09/26/03
Beryllium	2.500	2.520	101	74-120	09/26/03
Cadmium	10.00	9.750	98	72-120	09/26/03
Calcium	1,000	935.0	94	66-120	09/26/03
Chromium	100.0	99.00	99	74-120	09/26/03
Cobalt	25.00	24.00	96	70-120	09/26/03
Copper	12.50	11.90	95	70-120	09/26/03
Iron	1,000	1,008	101	70-120	09/29/03
Lead	100.0	101.0	101	71-120	09/26/03
Magnesium	1,000	927.5	93	69-120	09/26/03
Manganese	25.00	23.25	93	69-120	09/26/03
Molybdenum	20.00	20.60	103	76-120	09/26/03
Nickel	25.00	24.05	96	72-120	09/26/03
Potassium	500.0	502.5	101	70-120	09/29/03
Selenium	50.00	44.45	89	66-120	09/26/03
Silver	10.00	9.650	97	66-120	09/26/03
Sodium	1,000	1,082	108	73-120	09/29/03
Thallium	50.00	45.15	90	69-120	09/26/03
Vanadium	25.00	24.65	99	74-120	09/26/03
Zinc	25.00	21.40	86	68-120	09/26/03

Type: BSD Lab ID: QC226976

Analyte	Spiked	Result	REC	Limits	RPD	Min	Max	Analyzed
Aluminum	1,000	961.0	96	57-120	1	20	09/26/03	
Antimony	100.0	106.5	107	73-134	1	20	09/26/03	
Arsenic	50.00	49.45	99	74-120	1	20	09/26/03	
Barium	100.0	93.50	94	72-120	1	20	09/26/03	
Beryllium	2.500	2.550	102	74-120	1	20	09/26/03	
Cadmium	10.00	9.750	98	72-120	0	20	09/26/03	
Calcium	1,000	942.0	94	66-120	1	20	09/26/03	
Chromium	100.0	100.0	100	74-120	1	20	09/26/03	
Cobalt	25.00	24.20	97	70-120	1	20	09/26/03	
Copper	12.50	12.00	96	70-120	1	20	09/26/03	
Iron	1,000	1,006	101	70-120	0	20	09/29/03	
Lead	100.0	103.5	104	71-120	2	20	09/26/03	
Magnesium	1,000	935.0	94	69-120	1	20	09/26/03	
Manganese	25.00	23.50	94	69-120	1	20	09/26/03	
Molybdenum	20.00	21.30	107	76-120	3	20	09/26/03	
Nickel	25.00	24.40	98	72-120	1	20	09/26/03	
Potassium	500.0	495.2	99	70-120	1	20	09/29/03	
Selenium	50.00	44.60	89	66-120	0	20	09/26/03	
Silver	10.00	9.700	97	66-120	1	20	09/26/03	
Sodium	1,000	1,083	108	73-120	0	20	09/29/03	
Thallium	50.00	45.50	91	69-120	1	20	09/26/03	
Vanadium	25.00	24.85	99	74-120	1	20	09/26/03	
Zinc	25.00	21.50	86	68-120	0	20	09/26/03	

PD= Relative Percent Difference

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16.0

Target Analyte List Metals

Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Field ID:	FWCRSS001	Diln Fac:	1.000
MSS Lab ID:	167746-001	Batch#:	84836
Matrix:	Soil	Sampled:	09/23/03
Units:	mg/Kg	Received:	09/24/03
Basis:	dry	Prepared:	09/25/03

Type: MS Moisture: 8%
 Job ID: QC226977

Analyte	MSS Result	Spiked	Result	Spec	Limits	Analyzed
Aluminum	12,330	1,021	15,510 >LR	311 NM	15-150	09/29/03
Antimony	1.784	102.1	14.14	12 *	15-123	09/26/03
Arsenic	6.973	51.03	44.60	74	40-126	09/26/03
Barium	83.06	102.1	155.1	71	19-138	09/26/03
Beryllium	0.5691	2.552	2.526	77	58-120	09/26/03
Cadmium	<0.01957	10.21	7.093	70	47-120	09/26/03
Calcium	6,224	1,021	6,782	55 NM	16-150	09/29/03
Chromium	27.07	102.1	104.1	75	35-131	09/26/03
Cobalt	11.69	25.52	30.82	75	39-120	09/26/03
Copper	38.30	12.76	49.50	88 NM	32-150	09/26/03
Iron	25,600	1,021	25,660 >LR	6 NM	15-150	09/29/03
Lead	22.00	102.1	97.98	74	23-137	09/26/03
Magnesium	5,748	1,021	6,537	77 NM	20-150	09/29/03
Manganese	558.9	25.52	612.4	210 NM	15-150	09/26/03
Molybdenum	0.7947	20.41	12.45	57	28-120	09/26/03
Nickel	31.07	25.52	51.54	80	32-136	09/26/03
Potassium	2,088	510.3	2,496	80 NM	22-150	09/29/03
Selenium	0.8152	51.03	33.73	65	38-120	09/26/03
Silver	0.06870	10.21	7.655	74	55-120	09/26/03
Sodium	188.7	1,021	943.6	74	32-133	09/29/03
Thallium	0.3210	51.03	34.19	66	50-120	09/26/03
Vanadium	46.96	25.52	64.30	68	25-130	09/26/03
Zinc	238.7	25.52	245.9	28 NM	20-147	09/29/03

Type: MSD Moisture: 8%
 Job ID: QC226978

*= Value outside of QC limits; see narrative

J= Not Calculated

NM= Not Meaningful

LR= Response exceeds instrument's linear range

RPD= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Field ID:	FWCRSS001	Diln Fac:	1.000
4SS Lab ID:	167746-001	Batch#:	84836
Matrix:	Soil	Sampled:	09/23/03
Units:	mg/Kg	Received:	09/24/03
Basis:	dry	Prepared:	09/25/03

Analyte	Spiked	Result	%REC	Limits	RPD	lim	Analyzed
Aluminum	1,030	17,860 >LR	536	NM 15-150	NC	44	09/29/03
Antimony	103.0	11.23	9 *	15-123	24	45	09/26/03
Arsenic	51.51	48.37	80	40-126	7	28	09/26/03
Barium	103.0	173.1	87	19-138	10	30	09/26/03
Beryllium	2.576	2.808	87	58-120	10	20	09/26/03
Cadmium	10.30	7.779	76	47-120	8	24	09/26/03
Calcium	1,030	7,037	79	NM 16-150	4	43	09/29/03
Chromium	103.0	114.9	85	35-131	9	29	09/26/03
Cobalt	25.76	32.09	79	39-120	3	29	09/26/03
Copper	12.88	53.06	115	NM 32-150	7	45	09/26/03
Iron	1,030	27,520 >LR	186	NM 15-150	NC	48	09/29/03
Lead	103.0	108.2	84	23-137	9	40	09/26/03
Magnesium	1,030	7,078	129	NM 20-150	8	34	09/29/03
Manganese	25.76	618.2	230	NM 15-150	1	45	09/26/03
Molybdenum	20.61	13.45	61	28-120	7	21	09/26/03
Nickel	25.76	54.61	91	32-136	5	35	09/26/03
Potassium	515.1	2,766	132	NM 22-150	10	29	09/29/03
Selenium	51.51	38.22	73	38-120	12	23	09/26/03
Silver	10.30	8.345	80	55-120	8	26	09/26/03
Sodium	1,030	1,052	84	32-133	10	20	09/29/03
Thallium	51.51	37.45	72	50-120	8	26	09/26/03
Vanadium	25.76	72.64	100	25-130	12	26	09/26/03
Zinc	25.76	304.1	254	NM 20-147	21	32	09/29/03

*= Value outside of QC limits; see narrative

NC= Not Calculated

NM= Not Meaningful

LR= Response exceeds instrument's linear range

RD= Relative Percent Difference

Target Analyte List Metals

Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84972
Units:	mg/Kg	Prepared:	10/01/03
Basis:	as received	Analyzed:	10/01/03

Type	Lab ID	Spiked	Result	TRKC	Limits	RPD	Lim
BS	QC227514	0.5000	0.4920	98	80-120		
BSD	QC227515	0.5000	0.4610	92	80-120	7	20

*D= Relative Percent Difference
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

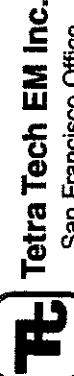
Lab #:	167746	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	FWCRSS021	Batch#:	84972
MSS Lab ID:	167746-011	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/01/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	Moisture	RPD	Trim
MS	QC227516	0.2152	0.5754	0.7284	89	37-144	21%		
MSD	QC227517		0.5552	0.6318	75	37-144	21%	12	37

RD= Relative Percent Difference

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Tetra Tech EM Inc.
San Francisco Office

135 Main St. Suite 1800
San Francisco, CA 94105
415-434-4880
Fax 415-543-5480
Re: China Restoration Project Draft EIS/EIR

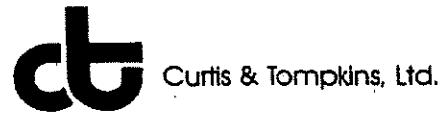
Chain of Custody Record

No. 4508

Preservative Added		Analysis Required												
Lab Port:	Lab:	No./Container Types												
<u>0322388</u>	<u>C+T</u>													
Project name: <u>Gullinan Ranch</u>	TEMI technical contact: <u>Sara Woolley</u>	Field sampler: <u>BAL</u>												
Project (CTO) number: <u>G1058340213801</u>	TEMI project manager: <u>Brenda McCourt</u>	Field sampler's signatures: <u>Millicent Clegg</u>												
Sample ID	Sample Location (Pt. ID)	Date	Time	Matrix										
<u>Fwrcs026</u>	<u>9/23/03</u>	<u>050</u>	<u>Soil</u>											
MS / MSDS														
40 ml VOA														
500 ml Poly														
Sieve														
Glass jar														
Metals														
Pesticides														
SVOA														
VOA														
TPH Purgeables														
TPH Extractables														
TPH Preservatives														
VOC														

Relinquished by:	Name (print)	Company Name	Date	Time
<u>Robert Zenger</u>	<u>Bob Lusardi</u>	<u>T+ENT</u>	<u>9/23/03</u>	<u>10:10</u>
<u>Dar M.</u>	<u>GREEN HABITAT</u>	<u>C+T</u>	<u>9/24/03</u>	<u>0:15:0</u>
Received by:				
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				
Turnaround time/remarks:	<u>Please Archive all samples.</u>			

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 3 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd



COOLER RECEIPT CHECKLIST

Login#: 167745 Date Received: 9/24/03 Number of Coolers: 1
Client: TETRA TECH Project: CULLINAN RANCH

A. Preliminary Examination Phase

- Date Opened: 9/24/03 By (print): G. HAHN (sign) Jy M
1. Did cooler come with a shipping slip (airbill, etc.)? YES NO
 - If YES, enter carrier name and airbill number: _____
 2. Were custody seals on outside of cooler? YES NO
 - How many and where? 1-FRONT Seal date: 9/23/03 Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival? YES NO
 4. Were custody papers dry and intact when received? YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)? YES NO
 6. Did you sign the custody papers in the appropriate place? YES NO
 7. Was project identifiable from custody papers? YES NO
 - If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: WET Temperature: 5.2

B. Login Phase

- Date Logged In: 9/24/03 By (print): G. HAHN (sign) Jy M
1. Describe type of packing in cooler: WRAPPED IN BUBBLE WRAP
 2. Did all bottles arrive unbroken? YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)? YES NO
 4. Did bottle labels agree with custody papers? YES NO
 5. Were appropriate containers used for the tests indicated? YES NO
 6. Were correct preservatives added to samples? YES NO N/A
 7. Was sufficient amount of sample sent for tests indicated? YES NO N/A
 8. Were bubbles absent in VOA samples? If NO, list sample IDs below. YES NO N/A
 9. Was the client contacted concerning this sample delivery? YES NO
- If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS011	Batch#:	84822
Lab ID:	167745-001	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	09/25/03
Basis:	dry	Analyzed:	09/30/03
Oiln Fac:	5.000		

Moisture: 23% Cleanup Method: EPA 3620B

Analyte	Result	RI
alpha-BHC	ND	11
beta-BHC	ND	11
gamma-BHC	ND	11
delta-BHC	ND	11
Heptachlor	ND	11
Aldrin	ND	11
Heptachlor epoxide	ND	11
Endosulfan I	ND	11
Dieldrin	ND	21
1,4'-DDE	310 b	21
Endrin	ND	21
Endosulfan II	ND	21
Endosulfan sulfate	ND	21
1,4'-DDD	170 b	21
Endrin aldehyde	ND	21
,4'-DDT	100 b	21
alpha-Chlordane	66	11
gamma-Chlordane	51	11
Methoxychlor	170 b	110
Toxaphene	ND	390

Surrogate	SRM	Limit
OCMX	69	22-136
Decachlorobiphenyl	62	22-140

b= See narrative

ND= Not Detected

= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS012	Diln Fac:	5.000
Lab ID:	167745-002	Batch#:	84822
Matrix:	Soil	Sampled:	09/23/03
Units:	ug/Kg	Received:	09/24/03
Basis:	dry	Prepared:	09/25/03

oisture: 26% Cleanup Method: EPA 3620B

Analyte	Result	RL	Analyzed
alpha-BHC	ND	11	09/29/03
beta-BHC	ND	11	09/29/03
gamma-BHC	ND	11	09/29/03
delta-BHC	ND	11	09/29/03
Heptachlor	ND	11	09/29/03
Aldrin	ND	11	09/29/03
Heptachlor epoxide	ND	11	09/29/03
Endosulfan I	ND	11	09/29/03
Dieldrin	ND	22	09/29/03
4,4'-DDE	220	22	09/29/03
Endrin	ND	22	09/29/03
Endosulfan II	ND	22	09/29/03
Endosulfan sulfate	ND	22	09/29/03
4,4'-DDD	120	22	09/29/03
Endrin aldehyde	ND	22	09/29/03
4,4'-DDT	91 b	22	09/29/03
alpha-Chlordane	45 C	11	09/29/03
gamma-Chlordane	39	11	09/29/03
Methoxychlor	210 C	110	10/01/03
Toxaphene	ND	410	09/29/03

Surrogate	%REC	Limits	Analyzed
ICMX	69	22-136	09/29/03
Decachlorobiphenyl	83	22-140	09/29/03

c= Presence confirmed, but RPD between columns exceeds 40%

o= See narrative

D= Not Detected

L= Reporting Limit

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Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS013	Batch#:	84822
Lab ID:	167745-003	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	09/25/03
Medium:	dry		

Moisture: 24% Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac	Analyzed
Alpha-BHC	ND	11	5.000	09/30/03
beta-BHC	26 C	11	5.000	09/30/03
gamma-BHC	ND	11	5.000	09/30/03
delta-BHC	ND	11	5.000	09/30/03
Heptachlor	ND	11	5.000	09/30/03
Aldrin	ND	11	5.000	09/30/03
Heptachlor epoxide	ND	11	5.000	09/30/03
Endosulfan I	ND	11	5.000	09/30/03
Dieldrin	ND	22	5.000	09/30/03
,4'-DDE	290	86	20.00	10/01/03
Endrin	ND	22	5.000	09/30/03
Endosulfan II	ND	22	5.000	09/30/03
Endosulfan sulfate	ND	22	5.000	09/30/03
,4'-DDD	890	86	20.00	10/01/03
Endrin aldehyde	ND	22	5.000	09/30/03
4,4'-DDT	100 C b	86	20.00	10/01/03
Alpha-Chlordane	26 C	11	5.000	09/30/03
gamma-Chlordane	28	11	5.000	09/30/03
Methoxychlor	290 C J	440	20.00	10/01/03
Toxaphene	ND	390	5.000	09/30/03

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	60	22-136	5.000	09/30/03
Decachlorobiphenyl	123	22-140	5.000	09/30/03

= Presence confirmed, but RPD between columns exceeds 40%

= Estimated value

b= See narrative

ND= Not Detected

= Reporting Limit



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS014	Batch#:	84822
Lab ID:	167745-004	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	09/25/03
Basis:	dry	Analyzed:	10/01/03
Diln Fac:	1.000		

Distilled: 25% Cleanup Method: EPA 3620B

Analyte	Result	RI
alpha-BHC	ND	2.2
beta-BHC	ND	2.2
gamma-BHC	ND	2.2
delta-BHC	ND	2.2
Heptachlor	ND	2.2
Aldrin	ND	2.2
Heptachlor epoxide	ND	2.2
Endosulfan I	ND	2.2
Dieldrin	ND	4.3
1,4'-DDE	2.6 C J	4.3
Endrin	ND	4.3
Endosulfan II	1.1 C J	4.3
Endosulfan sulfate	ND	4.3
1,4'-DDD	1.5 C J	4.3
Endrin aldehyde	ND	4.3
1,4'-DDT	7.4 C b	4.3
alpha-Chlordane	ND	2.2
gamma-Chlordane	ND	2.2
Methoxychlor	4.9 C J	22
Toxaphene	ND	79

Surrogate	SRM	limits
PCMX	92	22-136
Decachlorobiphenyl	137	22-140

C= Presence confirmed, but RPD between columns exceeds 40%

J= Estimated value

L= See narrative

N= Not Detected

R= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS015	Batch#:	84984
Lab ID:	167745-005	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/09/03
Wtln Fac:	20.00		

Moisture: 31% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	44 C J	49
beta-BHC	ND	49
gamma-BHC	ND	49
delta-BHC	ND	49
Heptachlor	ND	49
Aldrin	ND	49
Heptachlor epoxide	ND	49
Endosulfan I	ND	49
Heptachlor epoxide	ND	96
1,4'-DDE	120	96
Endrin	ND b	96
Endosulfan II	ND	96
Endosulfan sulfate	ND	96
4,4'-DDD	57 C J	96
Endrin aldehyde	ND b	96
1,4'-DDT	210 b	96
Alpha-Chlordane	29 C J	49
gamma-Chlordane	24 J	49
Methoxychlor	52 C J	490
Octophene	ND	1,700

Surrogate	GRBC	Limits
TCMX	DO	22-136
Decachlorobiphenyl	DO	22-140

C= Presence confirmed, but RPD between columns exceeds 40%

J= Estimated value

b= See narrative

DO= Diluted Out

ND= Not Detected

RL= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS016	Batch#:	84984
Lab ID:	167745-006	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/08/03
Diln Fac:	1.000		

Dusture: 31% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	2.5
beta-BHC	ND	2.5
gamma-BHC	ND	2.5
delta-BHC	ND	2.5
Ieptachlor	1.1 C J	2.5
Aldrin	ND	2.5
Ieptachlor epoxide	ND	2.5
Endosulfan I	0.96 J	2.5
Dieldrin	ND	4.8
1,4'-DDE	ND	4.8
Endrin	ND	4.8
Endosulfan II	ND	4.8
Endosulfan sulfate	0.99 C J	4.8
1,4'-DDD	1.5 C J	4.8
Endrin aldehyde	ND	4.8
1,4'-DDT	3.8 J	4.8
alpha-Chlordane	0.90 J	2.5
gamma-Chlordane	ND	2.5
Methoxychlor	ND	25
Toxaphene	ND	87

Surrogate	REC	Lim/LB
TCMX	129	22-136
Decachlorobiphenyl	115	22-140

J= Presence confirmed, but RPD between columns exceeds 40%

J= Estimated value

ND= Not Detected

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWRSS017	Batch#:	84984
Lab ID:	167745-007	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/09/03
Diln Fac:	5.000		

Moisture: 17% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	10
beta-BHC	ND	10
gamma-BHC	ND	10
delta-BHC	ND	10
Heptachlor	ND	10
Aldrin	ND	10
Heptachlor epoxide	ND	10
Endosulfan I	ND	10
Pieldrin	ND	20
4,4'-DDE	12 J	20
Endrin	ND b	20
Endosulfan II	ND	20
Endosulfan sulfate	ND	20
4,4'-DDD	ND	20
Endrin aldehyde	ND b	20
4,4'-DDT	110 b	20
Alpha-Chlordane	4.1 J	10
gamma-Chlordane	3.8 J	10
Methoxychlor	ND	100
Oxaphene	ND	360

Surrogate	REC	Limits
CMX	117	22-136
Decachlorobiphenyl	107	22-140

= Estimated value

b= See narrative

= Not Detected

= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS018	Batch#:	84984
Lab ID:	167745-008	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/14/03
Diln Fac:	5.000		

Moisture: 22% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	11
beta-BHC	ND	11
gamma-BHC	ND	11
delta-BHC	ND	11
Heptachlor	ND	11
Aldrin	ND	11
Heptachlor epoxide	ND	11
Endosulfan I	ND	11
Dieldrin	ND	21
1,4'-DDE	30 b	21
Endrin	ND	21
Endosulfan II	ND	21
Endosulfan sulfate	ND	21
1,4'-DDD	7.2 J	21
Endrin aldehyde	ND	21
1,4'-DDT	73	21
alpha-Chlordane	9.4 J	11
gamma-Chlordane	9.8 J	11
Methoxychlor	ND	110
Toxaphene	ND	380

Surrogate	RRC	Limits
PCMX	241 *	22-136
Decachlorobiphenyl	332 *	22-140

*= Value outside of QC limits; see narrative

#= Estimated value

:= See narrative

:= Not Detected

:= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS019	Diln Fac:	5.000
Lab ID:	167745-009	Batch#:	84984
Matrix:	Soil	Sampled:	09/23/03
Units:	ug/Kg	Received:	09/24/03
Basis:	dry	Prepared:	10/01/03

Moisture: 15% Cleanup Method: EPA 3620B

Analyte	Result	RI	Analyzed
alpha-BHC	ND	9.9	10/09/03
beta-BHC	10 C	9.9	10/09/03
gamma-BHC	ND	9.9	10/09/03
delta-BHC	3.7 C J	9.9	10/09/03
Heptachlor	ND	9.9	10/09/03
Aldrin	ND	9.9	10/09/03
Heptachlor epoxide	4.2 C J b	9.9	10/09/03
Endosulfan I	ND	9.9	10/09/03
Dieldrin	ND	19	10/09/03
4,4'-DDE	19 J	19	10/09/03
Endrin	ND b	19	10/09/03
Endosulfan II	ND	19	10/09/03
Endosulfan sulfate	ND	19	10/09/03
4,4'-DDD	37	19	10/09/03
Endrin aldehyde	ND b	19	10/09/03
4,4'-DDT	33 b	19	10/09/03
alpha-Chlordane	14 C	9.9	10/09/03
gamma-Chlordane	13	9.9	10/09/03
Methoxychlor	1,700 b	99	10/14/03
Toxaphene	ND	350	10/09/03

Surrogate	KPRC	Limits	Analyzed
TCMX	159 *	22-136	10/09/03
Decachlorobiphenyl	94	22-140	10/09/03

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWRSS020	Batch#:	84984
Lab ID:	167745-010	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/09/03
Diln Fac:	20.00		

Distilled water: 22% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	44
beta-BHC	ND	44
gamma-BHC	ND	44
delta-BHC	ND	44
heptachlor	ND	44
Aldrin	ND	44
Heptachlor epoxide	ND	44
Endosulfan I	ND	44
Dieldrin	ND	85
1,4'-DDE	71 J	85
Endrin	ND b	85
Endosulfan II	ND	85
Endosulfan sulfate	ND	85
1,4'-DDD	75 J	85
Endrin aldehyde	ND b	85
1,4'-DDT	210 b	85
alpha-Chlordane	28 J	44
gamma-Chlordane	28 J	44
Methoxychlor	1,400	440
Toxaphene	ND	1,500

Surrogate	EREC	Limits
ICMX	DO	22-136
Decachlorobiphenyl	DO	22-140

J= Estimated value

S= See narrative

D= Diluted Out

ND= Not Detected

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWRSS018 RE	Batch#:	85354
Lab ID:	167745-014	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/15/03
Basis:	dry	Analyzed:	10/19/03
Diln Fac:	5.000		

Moisture: 22% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	11
beta-BHC	ND b	11
gamma-BHC	ND b	11
delta-BHC	ND b	11
Heptachlor	ND b	11
Aldrin	ND b	11
Heptachlor epoxide	ND b	11
Endosulfan I	ND b	11
Dieldrin	ND b	21
4,4'-DDE	6.3 J b	21
Endrin	ND b	21
Endosulfan II	ND b	21
Endosulfan sulfate	ND b	21
4,4'-DDD	ND b	21
Endrin aldehyde	ND b	21
4,4'-DDT	14 J b	21
alpha-Chlordane	ND b	11
gamma-Chlordane	ND b	11
Methoxychlor	10 J b	110
Toxaphene	ND b	380

Surrogate	TRBC	Limits
TCMX	61 b	22-136
Decachlorobiphenyl	81 b	22-140

J= Estimated value
 b= See narrative
 ND= Not Detected
 RL= Reporting Limit

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWRSS019 RE	Batch#:	85354
Lab ID:	167745-015	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/15/03
Medium:	dry	Analyzed:	10/19/03
Diln Fac:	10.00		

Dilution: 15% Cleanup Method: EPA 3620B

Analyte	Result	RL
Alpha-BHC	ND b	20
Beta-BHC	ND b	20
Gamma-BHC	ND b	20
Delta-BHC	ND b	20
Leptachlor	ND b	20
Aldrin	ND b	20
Leptachlor epoxide	ND b	20
Indosulfan I	ND b	20
Dieldrin	ND b	39
, 4'-DDE	28 J b	39
Endrin	ND b	39
Indosulfan II	ND b	39
Indosulfan sulfate	ND b	39
, 4'-DDD	26 J b	39
Endrin aldehyde	ND b	39
, 4'-DDT	110 b	39
Alpha-Chlordane	ND b	20
Gamma-Chlordane	ND b	20
Methoxychlor	370 b	200
Oxaphene	ND b	700

Surrogate	ERGC	Limits
CMX	DO b	22-136
Decachlorobiphenyl	DO b	22-140

= Estimated value
= See narrative
= Diluted Out
= Not Detected
= Reporting Limit
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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS012	Batch#:	84822
MSS Lab ID:	167745-002	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	09/25/03
Basis:	dry	Analyzed:	09/29/03
Diln Fac:	5.000		

Type: MS Moisture: 26%
Lab ID: QC226913 Cleanup Method: EPA 3620B

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<6.486	22.31	18.11	81	34-121
Heptachlor	<9.054	22.31	21.00	94	22-130
Aldrin	<6.216	22.31	18.90	85	35-127
Dieldrin	<5.270	22.31	20.55	92	38-132
Endrin	<7.568	22.31	28.45 b	128	29-148
4, 4'-DDT	91.27	22.31	108.5 b	77 NM	26-150

Surrogate	%REC	Limits
TCMX	66	22-136
Decachlorobiphenyl	79	22-140

Type: MSD Moisture: 26%
Lab ID: QC226914 Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	22.53	18.73	83	34-121	2	44
Heptachlor	22.53	22.79	101	22-130	7	42
Aldrin	22.53	20.12	89	35-127	5	44
Dieldrin	22.53	21.57	96	38-132	4	46
Endrin	22.53	28.96 b	129	29-148	1	47
4, 4'-DDT	22.53	111.9 b	92 NM	26-150	3	45

Surrogate	%REC	Limits
TCMX	67	22-136
Decachlorobiphenyl	90	22-140

b= See narrative

NM= Not Meaningful

PD= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS019 RE	Batch#:	85354
MSS Lab ID:	167745-015	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	10/15/03
Basis:	dry	Analyzed:	10/23/03
Diln Fac:	10.00		

Type: MS Moisture: 15%
Lab ID: OC229009 Cleanup Method: EPA 3620B

Analyte	MS5 Result	Spiked	Result	SPC	limits
gamma-BHC	<7.412	19.71	7.879	40	34-121
heptachlor	<11.18	19.71	12.15	62	22-130
aldrin	<6.588	19.71	8.008	41	35-127
heptachloro-dieldrin	<7.765	19.71	6.880	DO	38-132
indrin	<9.412	19.71	7.227	DO	29-148
1,4-DDE	112.5	19.71	31.50	DO NM	26-150

Surrogate	%RSC	limits
ICMX	DO	22-136
Decachlorobiphenyl	DO	22-140

Type: MSD Moisture: 15%
Lab ID: OC229010 Cleanup Method: EPA 3620B

Analyte	Spiked	Result	S:REG	L:IND:REG	R:PCD	Lim
gamma-BHC	19.89	7.130	36	34-121	11	44
heptachlor	19.89	17.32	87	22-130	34	42
aldrin	19.89	11.53	58	35-127	35	44
dieldrin	19.89	17.40	DO	38-132	NC	46
indrin	19.89	9.140	DO	29-148	NC	47
,4'-DDT	19.89	43.07	DO NM	26-150	31	45

Surrogate	SRNG	Limits
PCMX	DO	22-136
Decachlorobiphenyl	DO	22-140

D= Diluted Out
NC= Not Calculated
NM= Not Meaningful
'D= Relative Percent
age 1 of 1



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226912	Batch#:	84822
Matrix:	Soil	Prepared:	09/25/03
Units:	ug/Kg	Analyzed:	09/26/03
Basis:	as received		

leanup Method: EPA 3620B

Analyte	Spiked	Result	EREG	Limits
gamma-BHC	16.46	12.89	78	43-124
Heptachlor	16.46	16.62 b	101	43-137
Aldrin	16.46	13.53	82	47-124
Dieldrin	16.46	13.10 b	80	48-123
Endrin	16.46	18.48 b	112	54-146
4,4'-DDT	16.46	11.67 b	71	40-134

Surrogate	EREG	Limits
TCMX	80	22-136
Decachlorobiphenyl	85	22-140

= See narrative
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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC227554	Batch#:	84984
Matrix:	Soil	Prepared:	10/01/03
Units:	ug/Kg	Analyzed:	10/08/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	REC	Limits
gamma-BHC	16.45	15.08	92	43-124
heptachlor	16.45	19.38	118	43-137
Aldrin	16.45	14.07	86	47-124
Dieldrin	16.45	13.97	85	48-123
Endrin	16.45	16.43	100	54-146
1,4'-DDT	16.45	17.22	105	40-134

Surrogate	REC	Limits
TCMX	95	22-136
Decachlorobiphenyl	95	22-140

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC229008	Batch#:	85354
Matrix:	Soil	Prepared:	10/15/03
Units:	ug/Kg	Analyzed:	10/19/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	#REC	Limits
gamma-BHC	16.49	12.63	77	43-124
Heptachlor	16.49	13.51	82	43-137
Aldrin	16.49	13.02	79	47-124
Dieldrin	16.49	12.48	76	48-123
Endrin	16.49	10.87	66	54-146
4,4'-DDT	16.49	15.49	94	40-134

Surrogate	#REC	Limits
TCMX	75	22-136
Decachlorobiphenyl	86	22-140

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226911	Batch#:	84822
Matrix:	Soil	Prepared:	09/25/03
Units:	ug/Kg	Analyzed:	09/26/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RI
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
1,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Indosulfan sulfate	ND	3.3
1,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
1,4'-DDT	ND b	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND b	17
Toxaphene	ND	60

Surrogate	% REC	Limits
PCMX	81	22-136
Decachlorobiphenyl	83	22-140

o= See narrative
 D= Not Detected
 L= Reporting Limit
 age 1 of 1



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC227553	Batch#:	84984
Matrix:	Soil	Prepared:	10/01/03
Units:	ug/Kg	Analyzed:	10/08/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	1.9 J	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	1.7
Toxaphene	ND	60

Surrogate	SERC	Limits
TCMX	83	22-136
Decachlorobiphenyl	101	22-140

J= Estimated value

D= Not Detected

L= Reporting Limit

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Organochlorine Pesticides

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC229007	Batch#:	85354
Matrix:	Soil	Prepared:	10/15/03
Units:	ug/Kg	Analyzed:	10/19/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
PCMX	97	22-136
Decachlorobiphenyl	108	22-140

ND = Not Detected

RL = Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS011	Basis:	dry
Lab ID:	167745-001	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 23%

Analyte	Result	RL	Diln Frc	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	24,000	33	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.4 J	3.9	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	13	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	51	0.65	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.69	0.13	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.49	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,400	33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	70	0.65	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	9.1	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	34	0.65	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	33,000	33	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	27	0.20	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	7,400	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	180	0.65	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.17	0.025	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.5	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	54	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	3,300	33	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.087 J	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	910	33	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	ND	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	69	0.65	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	150	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS012	Basis:	dry
Lab ID:	167745-002	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

closure: 26%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	27,000	33	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.8 J	4.0	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	12	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	51	0.66	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.63	0.13	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.58	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,600	33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	77	0.66	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	9.7	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	35	0.66	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	38,000	33	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	20	0.20	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	8,700	170	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	200	0.66	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.13	0.026	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.7	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	56	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	4,300	170	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.067 J	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	1,100	170	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	0.30 J	0.33	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	71	0.66	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	140	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

= Estimated value
 = Not Detected
 = Reporting Limit



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS013	Basis:	dry
Lab ID:	167745-003	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 24%

Analyte	Result	RL	Di in Fac	Batch#	Prepared	Analyzed	Prev	Analyst
Aluminum	24,000	27	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	1.9 J	3.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	11	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	58	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.83	0.11	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.76	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,600	27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	59	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	10	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	39	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	28,000	27	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	46	0.16	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	7,000	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	180	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.20	0.025	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.8	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	64	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	3,100	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	2,300	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	61	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	210	5.5	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS014	Basis:	dry
Lab ID:	167745-004	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 25%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyst	Prep	Analystic
Aluminum	23,000	34	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.1 J	4.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	8.5	0.34	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	40	0.68	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.50	0.14	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.47	0.34	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,500	34	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	66	0.68	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	8.8	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	29	0.68	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	33,000	34	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	11	0.21	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	7,700	170	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	200	0.68	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.15	0.027	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.6	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	50	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	3,400	170	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.34	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.048 J	0.34	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	1,400	170	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	ND	0.34	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	63	0.68	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	90	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value
 D= Not Detected
 L= Reporting Limit
 age 1 of 1



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS015	Basis:	dry
Lab ID:	167745-005	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 31%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	17,000	36	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.4 J	4.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	16	0.36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	63	0.72	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.92	0.14	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.75	0.36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,700	36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	57	0.72	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	10	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	64	0.72	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	33,000	36	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	110	0.22	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	4,900	36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Manganese	240	0.72	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.24	0.029	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	4.3	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	63	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	2,000	180	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.079 J	0.36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	3,000	180	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	ND	0.36	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	46	0.72	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	210	1.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value

ND= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS016	Basis:	dry
Lab ID:	167745-006	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 31%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analyt/As
Aluminum	23,000	32	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.2 J	3.8	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	8.6	0.32	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	34	0.64	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.46	0.13	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.55	0.32	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,500	32	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	72	0.64	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	9.8	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	27	0.64	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	33,000	32	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	6.7	0.19	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	8,800	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	220	0.64	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.056	0.026	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.4	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	51	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	3,200	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.32	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.10 J	0.32	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	1,200	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	ND	0.32	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Titanium	62	0.64	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	99	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

= Estimated value

= Not Detected

= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS017	Basis:	dry
Lab ID:	167745-007	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 17%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analyte ID
Aluminum	13,000	30	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	1.8 J	3.6	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	6.4	0.30	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	54	0.59	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.45	0.12	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.82	0.30	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	3,300	30	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	20	0.59	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	12	1.2	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	33	0.59	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	31,000	30	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	27	0.18	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	8,800	150	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	220	0.59	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.11	0.021	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	0.84 J	1.2	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	28	1.2	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	1,200	150	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.30	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.13 J	0.30	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	1,800	150	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	0.72	0.30	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	81	0.59	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	110	1.2	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value

*D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS018	Basis:	dry
Lab ID:	167745-008	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 22%

Analyte	Result	RI	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	22,000	31	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.1 J	3.8	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	10	0.31	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	56	0.63	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.58	0.13	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.54	0.31	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,700	31	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	69	0.63	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	9.0	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	32	0.63	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	33,000	31	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	17	0.19	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	7,600	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	210	0.63	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.17	0.026	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.3	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	50	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	2,700	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.31	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.044 J	0.31	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	980	160	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	0.24 J	0.31	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	64	0.63	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	84	1.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B

J= Estimated value
 D= Not Detected
 L= Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS019	Basis:	dry
Lab ID:	167745-009	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 15%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	17,000	28	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	3.1 J	3.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	5.7	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	53	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.57	0.11	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	0.021 J	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	2,900	28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	35	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	14	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	37	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	36,000	28	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	31	0.17	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	9,200	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	220	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.063	0.021	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.3	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	33	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	1,700	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.057 J	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	1,200	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	1.1	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Vanadium	92	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	98	5.5	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B

J= Estimated value

ND= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS020	Basis:	dry
Lab ID:	167745-010	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 22%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	22,000	28	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.1 J	3.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	9.2	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	64	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.69	0.11	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	ND	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,600	28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	58	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	11	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	41	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	30,000	28	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	76	0.17	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	6,700	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	200	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.15	0.026	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	2.1	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	48	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	2,900	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.091 J	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	970	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	0.27 J	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Titanium	60	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	88	5.7	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B

 = Estimated value
 = Not Detected
 = Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS024	Basis:	dry
Lab ID:	167745-011	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 26%

Analyte	Result	RI	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	21,000	27	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	
Antimony	2.6 J	3.2	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Arsenic	8.2	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Barium	41	0.53	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Beryllium	0.30	0.11	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Cadmium	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Calcium	1,300	27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Chromium	69	0.53	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Cobalt	7.0	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Copper	32	0.53	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Iron	36,000	27	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	
Lead	15	0.16	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Magnesium	7,100	130	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	
Manganese	150	0.53	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Mercury	0.092	0.027	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471	
Molybdenum	1.4	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Nickel	38	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Potassium	3,300	130	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	
Selenium	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Silver	0.098 J	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Sodium	2,400	130	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	
Thallium	0.26 J	0.27	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	
Vanadium	61	0.53	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B	
Zinc	49	1.1	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B	

J= Estimated value

D= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS025	Basis:	dry
Lab ID:	167745-012	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 20%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	21,000	28	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.8 J	3.4	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	9.8	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	45	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.36	0.11	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	ND	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,300	28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	64	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	7.2	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	36	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	34,000	28	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	31	0.17	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	7,100	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	160	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.12	0.025	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	2.3	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Nickel	41	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	3,200	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.075 J	0.28	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	6,600	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	ND	0.28	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Vanadium	65	0.57	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	66	1.1	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B

J= Estimated value

ND= Not Detected

L= Reporting Limit

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Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS026	Basis:	dry
Lab ID:	167745-013	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 30%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analyst
Aluminum	20,000	27	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Antimony	2.3 J	3.3	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Arsenic	6.6	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Barium	30	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Beryllium	0.29	0.11	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cadmium	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Calcium	1,400	27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Chromium	72	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Cobalt	7.5	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Copper	25	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Iron	37,000	27	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Lead	6.7	0.16	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Magnesium	7,800	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Manganese	180	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Mercury	0.055	0.029	1.000	85014	10/02/03	10/02/03	METHOD	EPA 7471
Molybdenum	1.4	1.1	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Nickel	42	1.1	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Potassium	2,900	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Selenium	ND	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Silver	0.11 J	0.27	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Sodium	2,400	140	5.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Thallium	0.44	0.27	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B
Vanadium	56	0.55	1.000	84868	09/26/03	09/29/03	EPA 3050	EPA 6010B
Zinc	61	1.1	1.000	84868	09/26/03	09/30/03	EPA 3050	EPA 6010B

J= Estimated value

D= Not Detected

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Type:	BLANK	Basis:	as received
Lab ID:	QC227101	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84868
Units:	mg/Kg	Prepared:	09/26/03

Analyte	Result	RL	Analyzed
Aluminum	1.8 J	5.0	09/29/03
Antimony	ND	3.0	09/29/03
Arsenic	ND	0.25	09/29/03
Barium	ND	0.50	09/29/03
Beryllium	0.045 J	0.10	09/29/03
Cadmium	ND	0.25	09/29/03
Calcium	ND	25	09/29/03
Chromium	ND	0.50	09/29/03
Cobalt	ND	1.0	09/29/03
Copper	ND	0.50	09/29/03
Iron	1.2 J	5.0	09/29/03
Lead	ND	0.15	09/29/03
Magnesium	ND	25	09/29/03
Manganese	0.017 J	0.50	09/29/03
Molybdenum	ND	1.0	09/29/03
Nickel	ND	1.0	09/29/03
Potassium	ND	25	09/30/03
Selenium	ND	0.25	09/29/03
Silver	ND	0.25	09/29/03
Sodium	ND	25	09/30/03
Thallium	ND	0.25	09/29/03
Vanadium	ND	0.50	09/29/03
Zinc	ND	1.0	09/29/03

J= Estimated value
D= Not Detected
L= Reporting Limit
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14.0



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC227665	Batch#:	85014
Matrix:	Soil	Prepared:	10/02/03
Units:	mg/Kg	Analyzed:	10/02/03

Result	RL
ND	0.020

"= Not Detected

:= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Field ID:	FWCRSS011	Batch#:	84868
MSS Lab ID:	167745-001	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg	Prepared:	09/26/03
Basis:	dry		

Type: MS Moisture: 23%
ab ID: QC227104

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln	Frac	Analyzed
Aluminum	24,460	1,299	26,330 >LR	144 NM	15-150	1.000		09/30/03
Antimony	2.421	129.9	20.06	14 *	15-123	1.000		09/29/03
Arsenic	12.86	64.94	60.19	73	40-126	1.000		09/29/03
Barium	51.03	129.9	152.6	78	19-138	1.000		09/29/03
Beryllium	0.6918	3.247	3.065	73	58-120	1.000		09/29/03
Cadmium	0.4888	12.99	10.45	77	47-120	1.000		09/29/03
Calcium	1,430	1,299	2,257	64	16-150	1.000		09/29/03
Chromium	70.48	129.9	158.4	68	35-131	1.000		09/29/03
Cobalt	9.071	32.47	30.97	67	39-120	1.000		09/29/03
Copper	34.07	16.23	44.29	63 NM	32-150	1.000		09/29/03
Iron	33,280	1,299	29,110	-321 NM	15-150	5.000		09/30/03
Lead	27.41	129.9	109.1	63	23-137	1.000		09/29/03
Magnesium	7,440	1,299	7,782	26 NM	20-150	5.000		09/30/03
Manganese	176.2	32.47	187.0	33 NM	15-150	1.000		09/29/03
Molybdenum	1.481	25.97	14.03	48	28-120	1.000		09/29/03
Nickel	53.91	32.47	74.03	62	32-136	1.000		09/29/03
Potassium	3,347	649.4	3,490	22 NM	22-150	1.000		09/30/03
Selenium	<0.2208	64.94	44.03	68	38-120	1.000		09/29/03
Silver	0.08745	12.99	9.870	75	55-120	1.000		09/29/03
Sodium	912.4	1,299	1,916	77	32-133	1.000		09/30/03
Thallium	<0.1948	64.94	46.17	71	50-120	1.000		09/29/03
Vanadium	69.18	32.47	84.42	47 NM	25-130	1.000		09/29/03
Zinc	152.1	32.47	164.9	40 NM	20-147	1.000		09/29/03

Type: MSD Moisture: 23%
Lab ID: OC227105

* = Value outside of QC limits; see narrative

NC= Not Calculated

NM= Not Meaningful

LR= Response exceeds instrument's linear range

PD= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Field ID:	FWCRSS011	Batch#:	84868
MSS Lab ID:	167745-001	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg	Prepared:	09/26/03
Basis:	dry		

Analyte	Spiked	Result	%REC	limits	RPD	L% Lmt	Distr. frac.	Units recd
Aluminum	1,292	28,780 >LR	334	NM 15-150	NC	44	1.000	09/30/03
Antimony	129.2	16.80	11 *	15-123	17	45	1.000	09/29/03
Arsenic	64.61	60.74	74	40-126	1	28	1.000	09/29/03
Barium	129.2	157.0	82	19-138	3	30	1.000	09/29/03
Beryllium	3.231	3.127	75	58-120	2	20	1.000	09/29/03
Cadmium	12.92	10.34	76	47-120	1	24	1.000	09/29/03
Calcium	1,292	2,258	64	16-150	0	43	1.000	09/29/03
Chromium	129.2	160.9	70	35-131	2	29	1.000	09/29/03
Cobalt	32.31	31.21	69	39-120	1	29	1.000	09/29/03
Copper	16.15	45.29	70	NM 32-150	2	45	1.000	09/29/03
Iron	1,292	29,930	-260	NM 15-150	3	48	5.000	09/30/03
Lead	129.2	113.1	66	23-137	4	40	1.000	09/29/03
Magnesium	1,292	7,889	35	NM 20-150	1	34	5.000	09/30/03
Manganese	32.31	190.0	43	NM 15-150	2	45	1.000	09/29/03
Molybdenum	25.84	14.09	49	28-120	1	21	1.000	09/29/03
Nickel	32.31	75.60	67	32-136	2	35	1.000	09/29/03
Potassium	646.1	3,602	39	NM 22-150	3	29	1.000	09/30/03
Selenium	64.61	44.19	68	38-120	1	23	1.000	09/29/03
Silver	12.92	9.950	76	55-120	1	26	1.000	09/29/03
Sodium	1,292	1,949	80	32-133	2	20	1.000	09/30/03
Thallium	64.61	46.07	71	50-120	0	26	1.000	09/29/03
Vanadium	32.31	90.46	66	NM 25-130	7	26	1.000	09/29/03
Zinc	32.31	167.3	47	NM 20-147	2	32	1.000	09/29/03

*= Value outside of QC limits; see narrative

JC= Not Calculated

NM= Not Meaningful

LR= Response exceeds instrument's linear range

PD= Relative Percent Difference



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	85014
MSS Lab ID:	167808-002	Sampled:	09/24/03
Matrix:	Soil	Received:	09/26/03
Units:	mg/Kg	Prepared:	10/02/03
Basis:	dry	Analyzed:	10/02/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	Moisture	RPD	lim
4S	QC227668	0.1033	0.5170	0.6710	110	37-144	7%		
4SD	QC227669		0.5170	0.6917	114	37-144	7%	3	37

PD= Relative Percent Difference
age 1 of 1



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	84868
Basis:	as received	Prepared:	09/26/03

Type: BS Lab ID: QC227102

Analyte	Spiked	Result	%REC	Limits	Analyzed
Aluminum	1,000	942.0	94	57-120	09/29/03
Antimony	100.0	114.0	114	73-134	09/29/03
Arsenic	50.00	49.65	99	74-120	09/29/03
Barium	100.0	101.5	102	72-120	09/29/03
Beryllium	2.500	2.355	94	74-120	09/29/03
Cadmium	10.00	9.550	96	72-120	09/29/03
Calcium	1,000	890.5	89	66-120	09/29/03
Chromium	100.0	92.00	92	74-120	09/29/03
Cobalt	25.00	22.15	89	70-120	09/29/03
Copper	12.50	11.65	93	70-120	09/29/03
Iron	1,000	895.5	90	70-120	09/29/03
Lead	100.0	88.00	88	71-120	09/29/03
Magnesium	1,000	914.5	91	69-120	09/29/03
Manganese	25.00	22.40	90	69-120	09/29/03
Molybdenum	20.00	18.90	95	76-120	09/29/03
Nickel	25.00	23.00	92	72-120	09/29/03
Potassium	500.0	475.4	95	70-120	09/30/03
Selenium	50.00	44.00	88	66-120	09/29/03
Silver	10.00	9.300	93	66-120	09/29/03
Sodium	1,000	1,009	101	73-120	09/30/03
Thallium	50.00	45.25	91	69-120	09/29/03
Vanadium	25.00	23.40	94	74-120	09/29/03
Zinc	25.00	22.60	90	68-120	09/29/03

Type: BSD Lab ID: QC227103

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Aluminum	1,000	903.0	90	57-120	4	20	09/29/03
Antimony	100.0	109.5	110	73-134	4	20	09/29/03
Arsenic	50.00	48.25	97	74-120	3	20	09/29/03
Barium	100.0	97.00	97	72-120	5	20	09/29/03
Beryllium	2.500	2.290	92	74-120	3	20	09/29/03
Cadmium	10.00	9.350	94	72-120	2	20	09/29/03
Calcium	1,000	861.0	86	66-120	3	20	09/29/03
Chromium	100.0	88.50	89	74-120	4	20	09/29/03
Cobalt	25.00	21.45	86	70-120	3	20	09/29/03
Copper	12.50	11.20	90	70-120	4	20	09/29/03
Iron	1,000	867.0	87	70-120	3	20	09/29/03
Lead	100.0	85.00	85	71-120	3	20	09/29/03
Magnesium	1,000	889.0	89	69-120	3	20	09/29/03
Manganese	25.00	21.60	86	69-120	4	20	09/29/03
Molybdenum	20.00	18.40	92	76-120	3	20	09/29/03
Nickel	25.00	22.55	90	72-120	2	20	09/29/03
Potassium	500.0	465.1	93	70-120	2	20	09/30/03
Selenium	50.00	42.10	84	66-120	4	20	09/29/03
Silver	10.00	8.900	89	66-120	4	20	09/29/03
Sodium	1,000	1,006	101	73-120	0	20	09/30/03
Thallium	50.00	43.95	88	69-120	3	20	09/29/03
Vanadium	25.00	22.55	90	74-120	4	20	09/29/03
Zinc	25.00	21.90	88	68-120	3	20	09/29/03

PD= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Target Analyte List Details

Lab #:	167745	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	85014
Units:	mg/Kg	Prepared:	10/02/03
Basis:	as received	Analyzed:	10/02/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC227666	0.5000	0.5240	105	80-120		
BSD	QC227667	0.5000	0.5100	102	80-120	3	20

PD= Relative Percent Difference
age 1 of 1



Tetra Tech EM Inc.
San Francisco Office

107767

Chain of Custody Record No. 4480

415-543-4880
Fax 415-543-5480

135 Main St. Suite 1800
San Francisco, CA 94105

0322-38

C+T

Lab PO#:

Lab:

Julian Ranch Restoration Project Draw EIR

Project name:

Collinan Ranch

Project (CTO) number:

G1058340213801

Project Manager:

Sara Woolley

T/EMI technical contact:

Bob Lusardi

T/EMI project manager:

Brenda McNamee

Field samplers:

Bob Lusardi

Sample Location (Pt. ID)

Date

Time

Matrix

MS / MSD

40 ml VOA

1 liter Amber

500 ml Poly

Steeve

Glass Jar

VOA

SVOA

Pesticides

Methane

TPH Purgeables

TPH Extractables

Preservatives

Analysis Required

Preservative Added

4480

No./Container Types

Analysis Required

Preservative Added

Relinquished by:	Robert Lusardi	Name (print)	T/EMI	Company Name	T/EMI	Date	12/10/03	Time	1900
Received by:	Judy G. Thompson	Troy Windsor	Curtis & Tompkins	Curris & Tompkins	7-25-03	0800			
Relinquished by:									
Received by:									
Relinquished by:									
Received by:									
Turnaround time/remarks:									

COOLER RECEIPT CHECKLIST

Login#: 167767 Date Received: 9-25-03 Number of Coolers: 1
Client: Tetra Tech EMI Project: Cullinan Ranch

A. Preliminary Examination Phase

Date Opened: 9-25-03 By (print): Troy Windsor (sign) Troy E. Windsor
1. Did cooler come with a shipping slip (airbill, etc.)? YES NO
If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler? YES NO
How many and where? 1 over cooler lip Seal date: 9-24-03 Seal name: Rob Lusardi
3. Were custody seals unbroken and intact at the date and time of arrival? YES NO
4. Were custody papers dry and intact when received? YES NO
5. Were custody papers filled out properly (ink, signed, etc.)? YES NO
6. Did you sign the custody papers in the appropriate place? YES NO
7. Was project identifiable from custody papers? YES NO
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: wet Temperature: 4.5

B. Login Phase

Date Logged In: 9-25-03 By (print): Troy Windsor (sign) Troy E. Windsor
1. Describe type of packing in cooler: Bubble wrap
2. Did all bottles arrive unbroken? YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ... YES NO
4. Did bottle labels agree with custody papers? YES NO
5. Were appropriate containers used for the tests indicated? YES NO
6. Were correct preservatives added to samples? YES NO N/A
7. Was sufficient amount of sample sent for tests indicated? YES NO
8. Were bubbles absent in VOA samples? If NO, list sample IDs below YES NO N/A
9. Was the client contacted concerning this sample delivery? YES NO
If YES, give details below.

Who was called? _____ By whom? _____ Date: _____

Additional Comments:



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS037	Batch#:	84822
Lab ID:	167767-011	Sampled:	09/24/03
Matrix:	Miscell.	Received:	09/25/03
Units:	ug/Kg	Prepared:	09/25/03
Basis:	dry	Analyzed:	10/01/03
Diln Fac:	5.000		

Moisture: 85% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	54
beta-BHC	ND	54
gamma-BHC	ND	54
delta-BHC	ND	54
Heptachlor	ND	54
Aldrin	ND	54
Heptachlor epoxide	ND	54
Endosulfan I	ND	54
Dieldrin	ND	100
4,4'-DDE	ND	100
Endrin	ND	100
Endosulfan II	ND	100
Endosulfan sulfate	ND	100
4,4'-DDD	ND	100
Endrin aldehyde	ND	100
4,4'-DDT	ND b	100
alpha-Chlordane	ND	54
gamma-Chlordane	ND	54
Methoxychlor	ND	540
Foxaphene	ND	1,900

Surrogate	TREC	Limits
TCMX	71	22-136
Decachlorobiphenyl	117	22-140

b= See narrative

D= Not Detected

L= Reporting Limit

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Organochlorine Pesticides

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS038	Batch#:	84822
Lab ID:	167767-012	Sampled:	09/24/03
Matrix:	Miscell.	Received:	09/25/03
Units:	ug/Kg	Prepared:	09/25/03
Basis:	dry	Analyzed:	10/01/03
Diln Fac:	5.000		

oisture: 67% Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	25
beta-BHC	ND	25
gamma-BHC	ND	25
delta-BHC	ND	25
Heptachlor	ND	25
Aldrin	ND	25
Heptachlor epoxide	ND	25
Endosulfan I	ND	25
Dieldrin	ND	48
4,4'-DDE	ND	48
Endrin	ND	48
Endosulfan II	ND	48
Endosulfan sulfate	ND	48
4,4'-DDD	ND	48
Endrin aldehyde	ND	48
4,4'-DDT	ND b	48
alpha-Chlordane	ND	25
gamma-Chlordane	ND	25
Methoxychlor	ND	250
Toxaphene	ND	870

Surrogate	SPEC	Limits
TCMX	24	22-136
Decachlorobiphenyl	99	22-140

= See narrative

ND = Not Detected

RL = Reporting Limit

age 1 of 1



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226911	Batch#:	84822
Matrix:	Soil	Prepared:	09/25/03
Units:	ug/Kg	Analyzed:	09/26/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RI
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND b	3.3
lpha-Chlordane	ND	1.7
amma-Chlordane	ND	1.7
Methoxychlor	ND b	1.7
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	81	22-136
o- ecachlorobiphenyl	83	22-140

o= See narrative

: Not Detected

: Reporting Limit

age 1 of 1

Organochlorine Pesticides

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226912	Batch#:	84822
Matrix:	Soil	Prepared:	09/25/03
Units:	ug/Kg	Analyzed:	09/26/03
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	SREC	Limits
gamma-BHC	16.46	12.89	78	43-124
Heptachlor	16.46	16.62 b	101	43-137
Aldrin	16.46	13.53	82	47-124
Dieldrin	16.46	13.10 b	80	48-123
Endrin	16.46	18.48 b	112	54-146
4,4'-DDT	16.46	11.67 b	71	40-134

Surrogate	SREC	Limits
PCMX	80	22-136
Decachlorobiphenyl	85	22-140



Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3550
Project#:	G1058340213801	Analysis:	EPA 8081A
Field ID:	FWCRSS012	Batch#:	84822
MSS Lab ID:	167745-002	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	ug/Kg	Prepared:	09/25/03
Basis:	dry	Analyzed:	09/29/03
Diln Fac:	5.000		

Type: MS Moisture: 26%
Lab ID: QC226913 Cleanup Method: EPA 3620B

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<6.486	22.31	18.11	81	34-121
Heptachlor	<9.054	22.31	21.00	94	22-130
Aldrin	<6.216	22.31	18.90	85	35-127
Dieldrin	<5.270	22.31	20.55	92	38-132
Endrin	<7.568	22.31	28.45 b	128	29-148
,4'-DDT	91.27	22.31	108.5 b	77 NM	26-150

Surrogate	%REC	Limits
TCMX	66	22-136
Decachlorobiphenyl	79	22-140

Type: MSD Moisture: 26%
Lab ID: QC226914 Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	22.53	18.73	83	34-121	2	44
Heptachlor	22.53	22.79	101	22-130	7	42
Aldrin	22.53	20.12	89	35-127	5	44
Dieldrin	22.53	21.57	96	38-132	4	46
Endrin	22.53	28.96 b	129	29-148	1	47
,4'-DDT	22.53	111.9 b	92 NM	26-150	3	45

Surrogate	%REC	Limits
TCMX	67	22-136
Decachlorobiphenyl	90	22-140

b= See narrative

M= Not Meaningful

D= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS027	Basis:	dry
Lab ID:	167767-001	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

Moisture: 32%

Analyte	Result	RL	Diln. Fac.	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	17,000	33	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	1.7 J	3.9	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Arsenic	10	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	34	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.41	0.13	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	1,400	33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	60	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	9.2	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	28	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	27,000	33	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	11	0.20	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	8,600	160	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Manganese	270	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.11	0.029	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	5.8	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	46	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	3,000	160	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	0.41	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	13,000	160	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Thallium	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	66	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	62	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

= Estimated value
= Not Detected
= Reporting Limit
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Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS028	Basis:	dry
Lab ID:	167767-002	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Jnits:	mg/Kg		

Moisture: 32%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	18,000	34	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	1.9 J	4.1	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Arsenic	13	0.34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	35	0.68	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.26	0.14	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	1,100	34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	66	0.68	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	7.5	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	33	0.68	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	36,000	34	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	13	0.21	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	7,000	170	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Manganese	170	0.68	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.12	0.026	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	6.7	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	40	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	2,700	170	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Relenium	ND	0.34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	0.043 J	0.34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	1,800	170	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Tellurium	ND	0.34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	74	0.68	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	53	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

J= Estimated value

ND= Not Detected

RL= Reporting Limit

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Target Analyte List Metals

<u>Lab #:</u>	167767	<u>Project#:</u>	G1058340213801
<u>Client:</u>	Tetra Tech EMI	<u>Location:</u>	Cullinan Ranch
<u>Field ID:</u>	FWCRSS029	<u>Basis:</u>	dry
<u>Lab ID:</u>	167767-003	<u>Sampled:</u>	09/24/03
<u>Matrix:</u>	Soil	<u>Received:</u>	09/25/03
<u>Units:</u>	mg/Kg		

oisture: 44%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analytis
Aluminum	16,000	42	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	1.4 J	5.0	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Arsenic	11	0.42	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	47	0.84	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.55	0.17	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.42	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	2,700	42	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	58	0.84	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	10	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	29	0.84	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	32,000	42	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	13	0.25	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	9,500	210	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Manganese	340	0.84	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.18	0.034	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	6.6	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	53	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	3,800	210	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.42	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.42	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	24,000	210	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Thallium	ND	0.42	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	64	0.84	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	63	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

= Estimated value
 = Not Detected
 = Reporting Limit
 ge 1 of 1



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS030	Basis:	dry
Lab ID:	167767-004	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

Dusture: 38%

Analyte	Result	RL	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	19,000	36	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	ND	4.3	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Arsenic	14	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	42	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.37	0.14	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	1,100	36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	63	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	8.8	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	31	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	34,000	36	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	15	0.22	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	6,900	36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Manganese	210	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.15	0.031	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	7.5	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	51	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	3,100	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	3,200	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Hallium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	72	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	57	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

= Not Detected

= Reporting Limit



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS031	Basis:	dry
Lab ID:	167767-005	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

moisture: 40%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	16,000	39	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	ND	4.7	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Arsenic	11	0.39	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	46	0.79	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.44	0.16	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.39	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	3,000	39	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	61	0.79	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	14	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	30	0.79	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	32,000	39	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	12	0.24	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	13,000	200	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Manganese	500	0.79	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.14	0.035	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	7.9	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	65	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	4,300	39	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.39	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.39	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	31,000	39	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Hallium	ND	0.39	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	67	0.79	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Uranium	70	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

= Not Detected
= Reporting Limit
ge 1 of 1

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS032	Basis:	dry
Lab ID:	167767-006	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Jnits:	mg/Kg		

Disture: 36%

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	19,000	37	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA	6010B
Antimony	ND	4.4	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA	6010B
Arsenic	14	0.37	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Barium	43	0.73	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Beryllium	0.50	0.15	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Cadmium	ND	0.37	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Calcium	1,200	37	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Chromium	66	0.73	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Cobalt	9.2	1.5	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Copper	34	0.73	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Iron	31,000	37	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA	6010B
Lead	17	0.22	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Magnesium	7,200	37	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA	6010B
Manganese	220	0.73	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Mercury	0.13	0.030	1.000	85125	10/07/03	10/07/03	METHOD	EPA	7471
Polybdenum	8.5	1.5	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Nickel	54	1.5	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Potassium	3,100	37	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA	6010B
Selenium	ND	0.37	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Silver	ND	0.37	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Sodium	3,100	37	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA	6010B
Tellurium	ND	0.37	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Titanium	73	0.73	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B
Zinc	62	1.5	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA	6010B

= Not Detected

= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS033	Basis:	dry
Lab ID:	167767-007	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Jnits:	mg/Kg		

Dusture: 43%

Analyte	Result	RI	Diln Factor	Batch#	Prepared	Analyzed	Prep	Analytical
Aluminum	17,000	40	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	ND	4.8	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Arsenic	13	0.40	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	49	0.80	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.52	0.16	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	0.046 J	0.40	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	3,900	40	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	61	0.80	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	16	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	32	0.80	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	36,000	40	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	17	0.24	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	18,000	200	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Manganese	790	0.80	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.098	0.030	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	8.1	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	68	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	4,200	40	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.40	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.40	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	31,000	40	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Hallium	ND	0.40	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	71	0.80	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Tin	78	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

- = Estimated value
- = Not Detected
- = Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS034	Basis:	dry
Lab ID:	167767-008	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Jnits:	mg/Kg		

Dusture: 37%

Analyte	Result	RI	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	19,000	33	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B	
Antimony	ND	3.9	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B	
Arsenic	11	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Barium	38	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Beryllium	0.46	0.13	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Cadmium	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Calcium	1,400	33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Chromium	64	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Cobalt	9.5	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Copper	32	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Iron	27,000	33	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B	
Lead	14	0.20	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Magnesium	7,300	33	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B	
Manganese	220	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Mercury	0.17	0.031	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471	
Molybdenum	6.4	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Nickel	55	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Potassium	2,600	33	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B	
Selenium	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Silver	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Sodium	2,100	33	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B	
Thallium	ND	0.33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Vanadium	68	0.65	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	
Zinc	65	1.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B	

= Not Detected

= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS035	Basis:	dry
Lab ID:	167767-009	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

Dusture: 38%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	16,000	36	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	ND	4.3	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Arsenic	9.8	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	34	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.38	0.14	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	1,300	36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	59	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	10	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	28	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	28,000	36	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	10	0.22	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	8,700	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Manganese	320	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.12	0.032	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Polybdenum	5.1	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	49	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	3,400	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	15,000	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Hallium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	62	0.72	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Uranium	69	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

: Not Detected
: Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS036	Basis:	dry
Lab ID:	167767-010	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Jnits:	mg/Kg		

Dilution: 34%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	15,000	36	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	ND	4.3	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Arsenic	14	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	36	0.71	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	0.38	0.14	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	1,100	36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	57	0.71	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	8.3	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	27	0.71	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	30,000	36	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	14	0.21	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	6,600	36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Manganese	200	0.71	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.15	0.026	1.000	85125	10/07/03	10/07/03	METHOD	EPA 7471
Molybdenum	5.7	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	49	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	2,600	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	2,200	36	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Thallium	ND	0.36	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	69	0.71	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	56	1.4	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

= Not Detected

= Reporting Limit



Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS037	Basis:	dry
Lab ID:	167767-011	Sampled:	09/24/03
Matrix:	Miscell.	Received:	09/25/03
Units:	mg/Kg		

Moisture: 85%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	10,000	33	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Antimony	18 J	20	1.000	84930	09/30/03	10/02/03	EPA 3050	EPA 6010B
Arsenic	4.8	1.7	1.000	84930	09/30/03	10/02/03	EPA 3050	EPA 6010B
Barium	1,300	3.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	2.1	0.66	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	ND	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	6,400	170	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	12	3.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	29	6.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	8.1	3.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	110,000	170	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	1.4	1.0	1.000	84930	09/30/03	10/02/03	EPA 3050	EPA 6010B
Magnesium	6,200	170	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Manganese	480	3.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	ND	0.13	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	2.1 J	6.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	180	6.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	940	170	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	21,000	170	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Thallium	ND	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	20	3.3	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	220	6.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

J= Estimated value
 D= Not Detected
 L= Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWRSS038	Basis:	dry
Lab ID:	167767-012	Sampled:	09/24/03
Matrix:	Miscell.	Received:	09/25/03
Units:	mg/Kg		

Moisture: 67%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	20,000	16	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Antimony	ND	9.4	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Arsenic	14	0.78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Barium	350	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Beryllium	2.4	0.31	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cadmium	1.6	0.78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Calcium	2,000	78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Chromium	38	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Cobalt	56	3.1	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Copper	37	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Iron	31,000	78	5.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Lead	8.9	0.47	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Magnesium	4,200	78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Manganese	190	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Mercury	0.20	0.051	1.000	84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	1.8 J	3.1	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Nickel	220	3.1	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Potassium	1,800	78	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Selenium	ND	0.78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Silver	ND	0.78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Sodium	7,700	78	1.000	84930	09/30/03	10/03/03	EPA 3050	EPA 6010B
Thallium	ND	0.78	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Vanadium	46	1.6	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	310	3.1	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

J= Estimated value

ND= Not Detected

L= Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Type:	BLANK	Basis:	as received
Lab ID:	QC227349	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84930
Units:	mg/Kg	Prepared:	09/30/03

Analyte	Result	RL	Analyzed
Aluminum	ND	5.0	10/01/03
Antimony	ND	3.0	10/01/03
Arsenic	0.21 J	0.25	10/01/03
Barium	ND	0.50	10/01/03
Beryllium	0.017 J	0.10	10/01/03
Cadmium	ND	0.25	10/01/03
Calcium	ND	25	10/01/03
Chromium	ND	0.50	10/01/03
Cobalt	ND	1.0	10/01/03
Copper	ND	0.50	10/01/03
Iron	ND	5.0	10/01/03
Lead	0.056 J	0.15	10/01/03
Magnesium	ND	25	10/01/03
Manganese	ND	0.50	10/01/03
Molybdenum	ND	1.0	10/01/03
Nickel	ND	1.0	10/01/03
Potassium	ND	25	10/03/03
Selenium	ND	0.25	10/01/03
Silver	ND	0.25	10/01/03
Sodium	ND	25	10/03/03
Hallium	ND	0.25	10/01/03
Vanadium	ND	0.50	10/01/03
Uranium	ND	1.0	10/01/03

- = Estimated value
- = Not Detected
- = Reporting Limit

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC227513	Batch#:	84972
Matrix:	Soil	Prepared:	10/01/03
Units:	mg/Kg	Analyzed:	10/01/03

Result**RL**

0.0097 J

0.020

J= Estimated value
L= Reporting Limit
age 1 of 1

27.0

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC228100	Batch#:	85125
Matrix:	Soil	Prepared:	10/07/03
Units:	mg/Kg	Analyzed:	10/07/03

Result	RL
ND	0.020

= Not Detected
 = Reporting Limit
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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	84930
Basis:	as received	Prepared:	09/30/03

Type:	BS	Lab ID:	QC227350			
Analyte	Spiked	Result	RREC	Limits	RPD	Analyzed
Aluminum	1,000	965.5	97	57-120	10	10/01/03
Antimony	100.0	103.0	103	73-134	20	10/01/03
Arsenic	50.00	48.30	97	74-120	20	10/01/03
Barium	100.0	98.50	99	72-120	20	10/01/03
Beryllium	2.500	2.465	99	74-120	20	10/01/03
Cadmium	10.00	9.150	92	72-120	20	10/01/03
Calcium	1,000	957.0	96	66-120	20	10/01/03
Chromium	100.0	96.00	96	74-120	20	10/01/03
Cobalt	25.00	23.20	93	70-120	20	10/01/03
Copper	12.50	12.50	100	70-120	20	10/01/03
Iron	1,000	959.5	96	70-120	20	10/01/03
Lead	100.0	94.00	94	71-120	20	10/01/03
Magnesium	1,000	945.0	95	69-120	20	10/01/03
Manganese	25.00	23.70	95	69-120	20	10/01/03
Molybdenum	20.00	20.80	104	76-120	20	10/01/03
Nickel	25.00	23.00	92	72-120	20	10/01/03
Potassium	500.0	456.6	91	70-120	20	10/03/03
Selenium	50.00	43.90	88	66-120	20	10/01/03
Silver	10.00	9.350	94	66-120	20	10/01/03
Sodium	1,000	1,054	105	73-120	20	10/03/03
Thallium	50.00	45.25	91	69-120	20	10/01/03
Vanadium	25.00	24.55	98	74-120	20	10/01/03
Uranium	25.00	22.90	92	68-120	20	10/01/03

Type:	BSD	Lab ID:	QC227351				
Analyte	Spiked	Result	RREC	Limits	RPD	Analyzed	
Aluminum	1,000	869.0	87	57-120	11	20	10/01/03
Antimony	100.0	93.50	94	73-134	10	20	10/01/03
Arsenic	50.00	43.60	87	74-120	10	20	10/01/03
Barium	100.0	88.50	89	72-120	11	20	10/01/03
Beryllium	2.500	2.205	88	74-120	11	20	10/01/03
Cadmium	10.00	8.250	83	72-120	10	20	10/01/03
Calcium	1,000	868.5	87	66-120	10	20	10/01/03
Chromium	100.0	87.00	87	74-120	10	20	10/01/03
Cobalt	25.00	21.00	84	70-120	10	20	10/01/03
Copper	12.50	11.15	89	70-120	11	20	10/01/03
Iron	1,000	868.0	87	70-120	10	20	10/01/03
Lead	100.0	87.00	87	71-120	8	20	10/01/03
Magnesium	1,000	856.5	86	69-120	10	20	10/01/03
Manganese	25.00	21.45	86	69-120	10	20	10/01/03
Molybdenum	20.00	18.80	94	76-120	10	20	10/01/03
Nickel	25.00	20.95	84	72-120	9	20	10/01/03
Potassium	500.0	409.7	82	70-120	11	20	10/03/03
Selenium	50.00	39.65	79	66-120	10	20	10/01/03
Silver	10.00	8.500	85	66-120	10	20	10/01/03
Sodium	1,000	947.5	95	73-120	11	20	10/01/03
Thallium	50.00	40.55	81	69-120	11	20	10/01/03
Vanadium	25.00	22.20	89	74-120	10	20	10/01/03
Uranium	25.00	20.75	83	68-120	10	20	10/01/03

= Relative Percent Difference
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18.0

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84972
Units:	mg/Kg	Prepared:	10/01/03
Basis:	as received	Analyzed:	10/01/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC227514	0.5000	0.4920	98	80-120		
BSD	QC227515	0.5000	0.4610	92	80-120	7	20

PD= Relative Percent Difference
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28.0

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	85125
Jnits:	mg/Kg	Prepared:	10/07/03
Basis:	as received	Analyzed:	10/07/03

Type	Lab ID	Spiked	Result	REC	Limits	RPD	Lim
BS	QC228101	0.5000	0.5880	118	80-120		
BSD	QC228102	0.5000	0.5800	116	80-120	1	20

D= Relative Percent Difference

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Field ID:	FWCRSS027	Batch#:	84930
MSS Lab ID:	167767-001	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg	Prepared:	09/30/03
Basis:	dry		

Type: MS Moisture: 32%
 Job ID: QC227352

Analyte	MS Result	Spiked	Result	REC	Limits	RPD	Lim	Diln Factor	Analyzed
Aluminum	17,250	1,284	18,520	99 NM	15-150	5.000			10/03/03
Antimony	1.693	128.4	28.77	21	15-123	1.000			10/01/03
Arsenic	10.33	64.22	62.81	82	40-126	1.000			10/01/03
Barium	33.53	128.4	143.8	86	19-138	1.000			10/01/03
Beryllium	0.4111	3.211	3.121	84	58-120	1.000			10/01/03
Cadmium	<0.02500	12.84	9.568	75	47-120	1.000			10/01/03
Calcium	1,362	1,284	2,293	72	16-150	1.000			10/01/03
Chromium	59.61	128.4	167.6	84	35-131	1.000			10/01/03
Dobalt	9.216	32.11	34.48	79	39-120	1.000			10/01/03
Copper	28.17	16.05	44.63	103	32-150	1.000			10/01/03
Iron	27,490	1,284	26,950	-42 NM	15-150	5.000			10/01/03
Lead	11.05	128.4	111.7	78	23-137	1.000			10/01/03
Magnesium	8,595	1,284	9,601	78 NM	20-150	5.000			10/03/03
Manganese	268.6	32.11	301.8	103 NM	15-150	1.000			10/01/03
Molybdenum	5.843	25.69	23.70	70	28-120	1.000			10/01/03
Nickel	46.41	32.11	72.57	81	32-136	1.000			10/01/03
Potassium	2,958	642.2	3,243	44 NM	22-150	5.000			10/03/03
Selenium	0.4137	64.22	48.03	74	38-120	1.000			10/01/03
Silver	<0.03529	12.84	10.66	83	55-120	1.000			10/01/03
Sodium	12,740	1,284	14,270	119 NM	32-133	5.000			10/03/03
Thallium	<0.1912	64.22	47.71	74	50-120	1.000			10/01/03
Vanadium	66.01	32.11	93.12	84 NM	25-130	1.000			10/01/03
Uranium	62.48	32.11	91.83	91	20-147	1.000			10/01/03

Type: MSD Moisture: 32%
 Job ID: QC227353

Analyte	Spiked	Result	REC	Limits	RPD	Lim	Diln Factor	Analyzed
Aluminum	1,387	19,950	195 NM	15-150	7	44	5.000	10/03/03
Antimony	138.7	29.06	20	15-123	7	45	1.000	10/01/03

M= Not Meaningful

D= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	EPA 3050
Project#:	G1058340213801	Analysis:	EPA 6010B
Field ID:	FWCRSS027	Batch#:	84930
MSS Lab ID:	167767-001	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg	Prepared:	09/30/03
Basis:	dry		

Analyte	Spiked	Result	#REC	Limits	RPD	Lim	Diln	Frac	Analyst
Arsenic	69.37	67.29	82	40-126	0	28	1.000		10/01/03
Barium	138.7	157.5	89	19-138	3	30	1.000		10/01/03
Beryllium	3.468	3.357	85	58-120	0	20	1.000		10/01/03
Cadmium	13.87	10.13	73	47-120	2	24	1.000		10/01/03
Calcium	1,387	2,603	89	16-150	9	43	1.000		10/01/03
Chromium	138.7	173.4	82	35-131	2	29	1.000		10/01/03
Cobalt	34.68	36.76	79	39-120	0	29	1.000		10/01/03
Copper	17.34	45.92	102	32-150	0	45	1.000		10/01/03
Iron	1,387	28,940	105 NM	15-150	7	48	5.000		10/03/03
Lead	138.7	122.8	81	23-137	2	40	1.000		10/01/03
Magnesium	1,387	10,330	125 NM	20-150	6	34	5.000		10/03/03
Manganese	34.68	317.0	139 NM	15-150	4	45	1.000		10/01/03
Molybdenum	27.75	24.83	68	28-120	2	21	1.000		10/01/03
Nickel	34.68	76.30	86	32-136	2	35	1.000		10/01/03
Potassium	693.7	3,436	69 NM	22-150	4	29	5.000		10/03/03
Selenium	69.37	51.96	74	38-120	0	23	1.000		10/01/03
Silver	13.87	11.45	83	55-120	1	26	1.000		10/01/03
Sodium	1,387	15,460	196 NM	32-133	7	20	5.000		10/03/03
Hallium	69.37	51.26	74	50-120	1	26	1.000		10/01/03
Vanadium	34.68	99.20	96	25-130	4	26	1.000		10/01/03
Zinc	34.68	92.95	88	20-147	1	32	1.000		10/01/03

M= Not Meaningful

D= Relative Percent Difference

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Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	FWRSS021	Batch#:	84972
MSS Lab ID:	167746-011	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg	Prepared:	10/01/03
Basis:	dry	Analyzed:	10/01/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	Moisture	RPD	Lim
MS	QC227516	0.2152	0.5754	0.7284	89	37-144	21%		
MSD	QC227517		0.5552	0.6318	75	37-144	21%	12	37



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Target Analyte List Metals

Lab #:	167767	Location:	Cullinan Ranch
Client:	Tetra Tech EMI	Prep:	METHOD
Project#:	G1058340213801	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	FWCRSS027	Batch#:	85125
MSS Lab ID:	167767-001	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg	Prepared:	10/07/03
Basis:	dry	Analyzed:	10/07/03

Type	Lab ID	MSS	Result	Spiked	Result	%REC	Limits	Moisture	RPD	RMSE
4S	QC228103		0.1103	0.7209	0.9415	115	37-144	32%		
MSD	QC228104			0.7353	0.9882	119	37-144	32%	3	37

)= Relative Percent Difference

