

**APPENDIX B**  
**CHAINS OF CUSTODY AND LABORATORY DATA SHEETS**

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# COOLER RECEIPT CHECKLIST

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

**A. Preliminary Examination Phase**

Date Opened: 9-24-03 By (print): Troy Windsor (sign) [Signature]

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: 9-23-03 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) [Signature]

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:

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## Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS001	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	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Aluminum	12,000	26	5.000		84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Antimony	1.8 J	3.1	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Arsenic	7.0	0.26	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Barium	83	0.51	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Beryllium	0.57	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	6,200	26	1.000		84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Chromium	27	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	38	0.51	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	22	0.15	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Magnesium	5,700	26	1.000		84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Manganese	560	0.51	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Mercury	0.10	0.018	1.000		84972	10/01/03	10/01/03	METHOD	EPA 7471
Molybdenum	0.79 J	1.0	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Nickel	31	1.0	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Potassium	2,100	26	1.000		84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Selenium	0.82	0.26	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Silver	0.069 J	0.26	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Sodium	190	26	1.000		84836	09/25/03	09/29/03	EPA 3050	EPA 6010B
Thallium	0.32	0.26	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Vanadium	47	0.51	1.000		84836	09/25/03	09/26/03	EPA 3050	EPA 6010B
Zinc	240	1.0	1.000		84836	09/25/03	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 #:	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	RL	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	1.3 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

ND= 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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### Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS004	Basis:	dry
Lab ID:	167746-004	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 11%

Analyte	Result	RL	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

ND= Not Detected

RL= Reporting Limit

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### 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	RL	Diln	Pac	Batch#	Prepared	Analyzed	Prep	Analysis
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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### Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS006	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	Fac	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

ND= Not Detected

RL= Reporting Limit



## 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	RL	Diln	Fac	Batch#	Prepared	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

RL= Reporting Limit

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## Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS008	Basis:	dry
Lab ID:	167746-008	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 11%

Analyte	Result	RL	Diln	Pac	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

ND= 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:	FWCRSS009	Basis:	dry
Lab ID:	167746-009	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 8%

Analyte	Result	RL	Diln 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

RL= Reporting Limit

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## 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	RL	Diln	Fac	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

ND= Not Detected

RL= Reporting Limit

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### Target Analyte List Metals

Lab #:	167746	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS021	Basis:	dry
Lab ID:	167746-011	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 21%

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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

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### 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	Fac	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

**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	Diln	Fac	Batch#	Prepared	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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## 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

Page 1 of 1

### 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



## 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	Lim	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



### 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
MS 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  
 PD= 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	%REC	Limits	RPD	Lim
BS	QC227514	0.5000	0.4920	98	80-120		
BSD	QC227515	0.5000	0.4610	92	80-120	7	20



**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	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

RPD= Relative Percent Difference



Tetra Tech EM Inc.  
San Francisco Office

135 Main St. Suite 1800  
San Francisco, CA 94105  
415-543-4880  
Fax 415-543-5480

# Chain of Custody Record No. 4507

Lab PO#: 032238	Lab: C+T	No./Container Types: 4507	
Project name: Cullinan Ranch	Field samplers: <i>[Signature]</i>	40 ml VOA	1 liter Amber
Project (CTO) number: G1058340213801	Field samplers' signatures: <i>Allison Greenly</i>	500 ml Poly	Sleeve
TEMI technical contact: Sara Woolley	TEMI project manager: Brenda McCartney	Glass Jar	
Sample ID	Sample Location (Pt. ID)	MS / MSD	Matrix
FWCRSS011		9/23/03	1200 Soil
FWCRSS012		1205	
FWCRSS013		1215	
FWCRSS014		1220	
FWCRSS015		1230	
FWCRSS016		1235	
FWCRSS017		1255	
FWCRSS018		1345	
FWCRSS019		1405	
FWCRSS020		1410	
FWCRSS024		1120	
FWCRSS025		1045	

Refrigerated by:	Received by:	Refrigerated by:	Received by:	Refrigerated by:	Received by:
<i>[Signature]</i>	<i>[Signature]</i>				

Name (print)	Company Name	Date	Time
Bob Lusardi	TEMI	9/23/03	1810
Greg Hahn	C+T	9/24/03	0930

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:\QCAForms\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) [Signature]

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~~ 5.2

## B. Login Phase

Date Logged In: 9/24/03 By (print): G. HAHN (sign) [Signature]

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
  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:

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### 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		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	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	%REC	Limits
TCMX	80	22-136
Decachlorobiphenyl	85	22-140

= See narrative

### 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
PCMX	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	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
1,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan 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
TCMX	81	22-136
Decachlorobiphenyl	83	22-140

b= See narrative  
 ND= Not Detected  
 RL= Reporting Limit  
 Page 1 of 1

### 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	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	83	22-136
Decachlorobiphenyl	101	22-140

J= Estimated value  
 ND= Not Detected  
 L= Reporting Limit  
 Page 1 of 1

**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  
 Page 1 of 1



### 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 Fac	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

### 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		

Moisture: 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

J = Estimated value  
 ND = Not Detected  
 RL = Reporting Limit  
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## 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	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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

### Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS014	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	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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  
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**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	Fac	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

RL= 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	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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
Vanadium	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

J = Estimated value  
 ND = Not Detected  
 RL = Reporting Limit  
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### 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	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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  
 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:	FWCRSS018	Basis:	dry
Lab ID:	167745-008	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 22%

Analyte	Result	RL	Diln	Fac	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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### 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	Fac	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

RL= 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	Fac	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

J = Estimated value

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## Target Analyte List Metals

Lab #:	167745	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS024	Basis:	dry
Lab ID:	167745-011	Sampled:	09/23/03
Matrix:	Soil	Received:	09/24/03
Units:	mg/Kg		

Moisture: 26%

Analyte	Result	RL	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	Fac	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  
 RL= 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	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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

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## 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

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**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

### 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%  
 Lab ID: QC227104

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln	Fac	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: QC227105

\*= Value outside of QC limits; see narrative  
 NC= Not Calculated  
 NM= Not Meaningful  
 LR= Response exceeds instrument's linear range  
 PD= Relative Percent Difference



### 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	Lim	Diln	Fac	Analyzed
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  
 NC= Not Calculated  
 NM= Not Meaningful  
 LR= Response exceeds instrument's linear range  
 PD= Relative Percent Difference

**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
MS	QC227668	0.1033	0.5170	0.6710	110	37-144	7%		
MSD	QC227669		0.5170	0.6917	114	37-144	7%	3	37



### 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
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



Tetra Tech EM Inc.  
San Francisco Office

135 Main St. Suite 1800  
San Francisco, CA 94105  
415-543-4880  
Fax 415-543-5480

167767

Chain of Custody Record No. 4480

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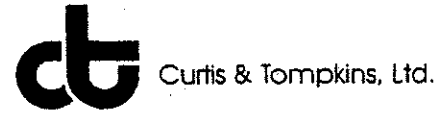
Project name: <b>Collinan Ranch</b>	Lab PO#: <b>032238</b>	Lab: <b>CT</b>	No./Container Types <b>4480</b>		Preservative Added	
Project (CTO) number: <b>G1058340213801</b>	TEMI technical contact: <b>Sara Woolley</b>	Field samplers: <b>Bob Lusardi</b>	40 ml VOA	1 liter Amber	500 ml Poly	Sieve
Sample ID	TEMI project manager: <b>Brenda McConarty</b>	Field samplers' signatures: <i>[Signature]</i>	Class Jar			
	Sample Location (Pt. ID)	Date	Time	Matrix	MS / MSD	
<b>FWCRSS027</b>		9/24/03	1615	Soil		
<b>FWCRSS028</b>			1620			
<b>FWCRSS029</b>			1628			
<b>FWCRSS030</b>			1634			
<b>FWCRSS031</b>			1643			
<b>FWCRSS032</b>			1647			
<b>FWCRSS033</b>			1700			
<b>FWCRSS034</b>			1703			
<b>FWCRSS035</b>			1715	Soil		
<b>FWCRSS036</b>			1725	Sediment		
<b>FWCRSS037</b>			1500	Sediment		
<b>FWCRSS038</b>			1515	Sediment		

Relinquished by:	Name (print)	Company Name	Date	Time
<i>[Signature]</i>	Bob Lusardi	TEMI	9/24/03	1900
<i>[Signature]</i>	Troy Windsor	Curtis & Tompkins	9-25-03	0800
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Turnaround time/remarks:

449

Fed Ex #:



# 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): Tray Windsor (sign) [Signature]
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES  NO
  2. Were custody seals on outside of cooler?..... YES  NO
  3. How many and where? 1 over cooler lip Seal date: 9-24-03 Seal name: Rob Lusardi
  4. Were custody seals unbroken and intact at the date and time of arrival?..... YES  NO
  5. Were custody papers dry and intact when received?..... YES  NO
  6. Were custody papers filled out properly (ink, signed, etc.)?..... YES  NO
  7. Did you sign the custody papers in the appropriate place?..... YES  NO
  8. Was project identifiable from custody papers?..... YES  NO
- If YES, enter project name at the top of this form.  
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): Tray Windsor (sign) [Signature]
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:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_







### 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	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
1,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
1,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-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
TCMX	81	22-136
Decachlorobiphenyl	83	22-140

b = See narrative  
 - = Not Detected  
 b = Reporting Limit

**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	%REC	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	%REC	Limits
PCMX	80	22-136
Decachlorobiphenyl	85	22-140



### 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
Tanadium	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
Units:	mg/Kg		

Moisture: 32%

Analyte	Result	RL	Diln Fac	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
Selenium	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
Thallium	ND	0.34	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	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  
 - 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:	FWCRSS029	Basis:	dry
Lab ID:	167767-003	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

moisture: 44%

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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
Vanadium	64	0.84	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	63	1.7	1.000	84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

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



## 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		

Moisture: 38%

Analyte	Result	RL	Diin	Fac	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
Thallium	ND	0.36	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	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

**Target Analyte List Metals**

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS031	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
Thallium	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
Zinc	70	1.6	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B

= 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:	FWCRSS032	Basis:	dry
Lab ID:	167767-006	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

Moisture: 36%

Analyte	Result	RL	Diln	Pac	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
Molybdenum	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
Thallium	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

### Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS033	Basis:	dry
Lab ID:	167767-007	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

Moisture: 43%

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
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
Thallium	ND	0.40	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	71	0.80	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	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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### 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
Units:	mg/Kg		

Moisture: 37%

Analyte	Result	RL	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
Titanium	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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### Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS035	Basis:	dry
Lab ID:	167767-009	Sampled:	09/24/03
Matrix:	Soil	Received:	09/25/03
Units:	mg/Kg		

Moisture: 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
Molybdenum	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
Thallium	ND	0.36	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Titanium	62	0.72	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B
Zinc	69	1.4	1.000		84930	09/30/03	10/01/03	EPA 3050	EPA 6010B



## 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
Units:	mg/Kg		

Moisture: 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
Vanadium	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

**Target Analyte List Metals**

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS037	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	Pac	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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### Target Analyte List Metals

Lab #:	167767	Project#:	G1058340213801
Client:	Tetra Tech EMI	Location:	Cullinan Ranch
Field ID:	FWCRSS038	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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### 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
Thallium	ND	0.25	10/01/03
Titanium	ND	0.50	10/01/03
Zinc	ND	1.0	10/01/03

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



**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  
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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	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  
 Page 1 of 1

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

type: BSD Lab ID: QC227351

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	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	10/03/03
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
Zinc	25.00	20.75	83	68-120	10	20	10/01/03

**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

### 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
Units:	mg/Kg	Prepared:	10/07/03
Basis:	as received	Analyzed:	10/07/03

Type	Lab ID	Spiked	Result	%RSD	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		

Sample Type: MS  
 Sample ID: QC227352  
 Moisture: 32%

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln	Fac	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
Cobalt	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		10/03/03
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
Titanium	66.01	32.11	93.12	84 NM	25-130	1.000		10/01/03
Zinc	62.48	32.11	91.83	91	20-147	1.000		10/01/03

Sample Type: MSD  
 Sample ID: QC227353  
 Moisture: 32%

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac	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

ND = Not Meaningful  
 RPD = Relative Percent Difference  
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## 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	Fac	Analyzed
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
Thallium	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:	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	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



**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	Lim
MS	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

