



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

A N A L Y T I C A L R E P O R T

Prepared for:

Geomatrix Consultants
100 Pine Street
10th Floor
San Francisco, CA 94111


Date: 19-APR-99
Lab Job Number: 138656
Project ID: N/A
Location: N/A

Reviewed by:

Reviewed by:

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139656

CHAIN-OF-CUSTODY RECORD			№ 12019		Date: 3/23/99		Page 1 of 1								
Project No.: 3095.06			ANALYSES					REMARKS							
Samplers (Signatures): <i>[Signature]</i>			EPA Method 8010	EPA Method 8020	EPA Method 8020 (BTEX only)	EPA Method 8240	EPA Method 8270	TPH as gasoline	TPH as diesel	* Total Metals (6010/7000)	Cooled	Soil (S), Water (W), or Vapor (V)	Acidified	Number of containers	Additional Comments
Date	Time	Sample Number													
3/23/99	1530	S-1									X	S	-	1	- COMPOSITE S-1, 2, 3, 4 For ANALYSIS. * As, Ba, Cd, C, Pb, Zn COMPOSITE - 5
3/23/99	1610	S-2								X	S	-	1		
3/24/99	13:05	S-3								X	S	-	1		
3/25/99	1650	S-4								X	S	-	1		
<i>[Signature]</i>			Turnaround time: STD. TAT			Results to: BRAD SOB			Total No. of containers: 4						
Relinquished by (signature): <i>[Signature]</i>		Date: 3/21/99	Relinquished by (signature):		Date:	Relinquished by (signature):		Date:	Method of Shipment: DELIVER TO LAB		Laboratory Comments and Log No.:				
Printed Name: BRUCE M. YAMAMOTO		Time: 11:25	Printed Name:		Time:	Printed Name:		Time:							
Company: GEOMATRIX			Company:			Company:									
Received by (signature): <i>[Signature]</i>		Date: 3/23/99	Received by (signature):		Date:	Received by (signature):		Date:	 Geomatrix Consultants 100 Pine Street, 10th Floor San Francisco, California 94111 415 434 9400						
Printed Name: TRAVERS		Time: 11:25	Printed Name:		Time:	Printed Name:		Time:							
Company: C&T			Company:			Company:									



Curtis & Tompkins, Ltd.

SAMPLE ID: COMP S-(1,2,3,4)
LAB ID: 138656-005
CLIENT: Geomatrix Consultants
MATRIX: Soil

DATE SAMPLED: 03/25/99
DATE RECEIVED: 03/29/99
DATE REPORTED: 04/12/99

Metals Analytical Report

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	IDF	QC Batch	Method	Analysis Date
Arsenic	48	0.25	1	47290	EPA 6010A	04/09/99
Barium	420	0.50	1	47290	EPA 6010A	04/09/99
Cadmium	2.3	0.099	1	47290	EPA 6010A	04/09/99
Copper	270	0.50	1	47290	EPA 6010A	04/09/99
Lead	120	0.15	1	47290	EPA 6010A	04/09/99
Zinc	1200	9.9	10	47290	EPA 6010A	04/09/99



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138656

DATE REPORTED: 04/12/99

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Arsenic	ND	0.25	mg/Kg	1	47290	EPA 6010A	04/09/99
Barium	ND	0.5	mg/Kg	1	47290	EPA 6010A	04/09/99
Cadmium	ND	0.1	mg/Kg	1	47290	EPA 6010A	04/09/99
Copper	ND	0.5	mg/Kg	1	47290	EPA 6010A	04/09/99
Lead	ND	0.15	mg/Kg	1	47290	EPA 6010A	04/09/99
Zinc	ND	1	mg/Kg	1	47290	EPA 6010A	04/09/99

ND = Not Detected at or above reporting limit



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138656

DATE REPORTED: 04/12/99

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS% Rec.	BSD% Rec.	Rec. Limits	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Arsenic	100	86	87	mg/Kg	85	87	80-120	2	35	47290	EPA 8210A	04/09/99
Barium	100	87	88.5	mg/Kg	87	89	80-120	2	35	47290	EPA 8210A	04/09/99
Cadmium	2.5	2.258	2.315	mg/Kg	90	93	80-120	3	35	47290	EPA 8210A	04/09/99
Copper	12.5	11.74	11.25	mg/Kg	88	90	80-120	2	35	47290	EPA 8210A	04/09/99
Lead	25	21.86	22.7	mg/Kg	87	91	80-120	4	35	47290	EPA 8210A	04/09/99
Zinc	25	21.16	21.25	mg/Kg	84	85	80-120	2	35	47290	EPA 8210A	04/09/99



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138656

DATE REPORTED: 04/12/99

**BATCH QC REPORT
SAMPLE DUPLICATE**

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Arsenic	138697-001	<0.244	<0.244	mg/Kg	NC	35	47290	EPA 6010A	04/09/99
Barium	138697-001	<0.488	<0.488	mg/Kg	NC	35	47290	EPA 6010A	04/09/99
Cadmium	138697-001	<0.098	<0.098	mg/Kg	NC	35	47290	EPA 6010A	04/09/99
Copper	138697-001	<0.488	<0.488	mg/Kg	NC	35	47290	EPA 6010A	04/09/99
Lead	138697-001	<0.146	<0.146	mg/Kg	NC	35	47290	EPA 6010A	04/09/99
Zinc	138697-001	<0.976	<0.976	mg/Kg	NC	35	47290	EPA 6010A	04/09/99

NC = Not Calculable



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138656

DATE REPORTED: 04/12/99

BATCH QC REPORT
SAMPLE SPIKE

Compound	Spike Amount	Sample	Sample Result	Spike Result	Units	Percent Rec.	Rec. Limit	QC Batch	Method	Analysis Date
Arsenic	99.01	138656-001	<0.248	85.64	mg/Kg	87	65-135	47290	EPA 6010A	04/09/99
Barium	99.01	138656-001	<0.495	85.15	mg/Kg	86	65-135	47290	EPA 6010A	04/09/99
Cadmium	2.475	138656-001	<0.099	2.282	mg/Kg	92	65-135	47290	EPA 6010A	04/09/99
Copper	12.38	138656-001	<0.495	10.74	mg/Kg	87	65-135	47290	EPA 6010A	04/09/99
Lead	24.75	138656-001	<0.149	21.88	mg/Kg	88	65-135	47290	EPA 6010A	04/09/99
Zinc	24.75	138656-001	<0.990	20.94	mg/Kg	85	65-135	47290	EPA 6010A	04/09/99



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A N A L Y T I C A L R E P O R T

Prepared for:

Geomatrix Consultants
100 Pine Street
10th Floor
San Francisco, CA 94111

Date: 19-APR-99
Lab Job Number: 138673
Project ID: N/A
Location: 3095.06

Reviewed by:

Reviewed by:

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138673

CHAIN-OF-CUSTODY RECORD			N ^o 12066		Date: 3/29/99		Page 1 of 1							
Project No.: 3095.06			ANALYSES						REMARKS					
Samplers (Signatures):			EPA Method 8010	EPA Method 8020	EPA Method 8020 (BTEX only)	EPA Method 8240	EPA Method 8270	TPH as gasoline	TPH as diesel	Cooled	Soil (S), Water (W), or Vapor (V)	Acidified	Number of containers	Additional Comments
Date	Time	Sample Number												
1	3/25/99	1555								X	S	-	1	* Composite S-5, 6, 7, 8 For Analysis. * As, Ba, Cd, Cr, Pb, Zn Composite -5
2		1605							X	S	-	1		
3		1610							X	S	-	1		
4	3/29/99	0955							X	S	-	1		
_____			_____											
			Turnaround time: SD. TAT			Results to: DRAG JOB			Total No. of containers: 4					
Relinquished by (signature):		Date:	Relinquished by (signature):		Date:	Relinquished by (signature):		Date:	Method of Shipment:					
		3/29/99			3/29/99				DRIVER TO LAB					
Printed Name:		Time:	Printed Name:		Time:	Printed Name:		Time:	Laboratory Comments and Log No.:					
BLAKE M. YAMAMOTO		1643	TRIVERS		1643									
Company:			Company:			Company:								
GEOMATRIX			BST											
Received by (signature):		Date:	Received by (signature):		Date:	Received by (signature):		Date:						
Printed Name:		Time:	Printed Name:		Time:	Printed Name:		Time:						
Company:			Company:			Company:								





Curtis & Tompkins, Ltd.

SAMPLE ID: COMP S-(5,6,7,8)
LAB ID: 138673-005
CLIENT: Geomatrix Consultants
LOCATION: 3095.06
MATRIX: Soil

DATE SAMPLED: 03/25/99
DATE RECEIVED: 03/29/99
DATE REPORTED: 04/12/99

Metals Analytical Report

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	IDF	QC Batch	Method	Analysis Date
Arsenic	9.5	0.24	1	47290	EPA 6010A	04/09/99
Barium	330	0.49	1	47290	EPA 6010A	04/09/99
Cadmium	1.3	0.098	1	47290	EPA 6010A	04/09/99
Copper	98	0.49	1	47290	EPA 6010A	04/09/99
Lead	30	0.15	1	47290	EPA 6010A	04/09/99
Zinc	380	4.9	5	47290	EPA 6010A	04/09/99



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138673

DATE REPORTED: 04/12/99

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Arsenic	ND	0.25	mg/Kg	1	47290	EPA 6010A	04/09/99
Barium	ND	0.5	mg/Kg	1	47290	EPA 6010A	04/09/99
Cadmium	ND	0.1	mg/Kg	1	47290	EPA 6010A	04/09/99
Copper	ND	0.5	mg/Kg	1	47290	EPA 6010A	04/09/99
Lead	ND	0.15	mg/Kg	1	47290	EPA 6010A	04/09/99
Zinc	ND	1	mg/Kg	1	47290	EPA 6010A	04/09/99

ND = Not Detected at or above reporting limit



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
 JOB NUMBER: 138673

DATE REPORTED: 04/12/99

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS% Rec.	BSD% Rec.	Rec. Limits	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Arsenic	100	85	87	mg/Kg	85	87	80-120	2	35	47290	EPA 6010A	04/09/99
Barium	100	87	88.5	mg/Kg	87	89	80-120	2	35	47290	EPA 6010A	04/09/99
Cadmium	2.5	2.255	2.315	mg/Kg	90	93	80-120	3	35	47290	EPA 6010A	04/09/99
Copper	12.5	11.05	11.25	mg/Kg	88	90	80-120	2	35	47290	EPA 6010A	04/09/99
Lead	25	21.85	22.7	mg/Kg	87	91	80-120	4	35	47290	EPA 6010A	04/09/99
Zinc	25	20.9	21.25	mg/Kg	84	85	80-120	2	35	47290	EPA 6010A	04/09/99



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138673

DATE REPORTED: 04/12/99

**BATCH QC REPORT
SAMPLE DUPLICATE**

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Arsenic	138697-001	<0.244	<0.244	mg/Kg	NC	35	4729	EPA 6010A	04/09/99
Barium	138697-001	<0.488	<0.488	mg/Kg	NC	35	4729	EPA 6010A	04/09/99
Cadmium	138697-001	<0.098	<0.098	mg/Kg	NC	35	4729	EPA 6010A	04/09/99
Copper	138697-001	<0.488	<0.488	mg/Kg	NC	35	4729	EPA 6010A	04/09/99
Lead	138697-001	<0.146	<0.146	mg/Kg	NC	35	4729	EPA 6010A	04/09/99
Zinc	138697-001	<0.976	<0.976	mg/Kg	NC	35	4729	EPA 6010A	04/09/99

NC = Not Calculable



Curtis & Tompkins, Ltd.

CLIENT: Geomatrix Consultants
JOB NUMBER: 138673

DATE REPORTED: 04/12/99

BATCH QC REPORT
SAMPLE SPIKE

Compound	Spike Amount	Sample	Sample Result	Spike Result	Units	Percent Rec.	Rec. Limit	QC Batch	Method	Analysis Date
Arsenic	99.01	138697-001	<0.248	86.64	mg/Kg	87	65-135	47290	EPA 6010A	04/09/99
Barium	99.01	138697-001	<0.495	85.15	mg/Kg	86	65-135	47290	EPA 6010A	04/09/99
Cadmium	2.475	138697-001	<0.099	2.282	mg/Kg	92	65-135	47290	EPA 6010A	04/09/99
Copper	12.38	138697-001	<0.495	10.74	mg/Kg	87	65-135	47290	EPA 6010A	04/09/99
Lead	24.75	138697-001	<0.149	21.88	mg/Kg	88	65-135	47290	EPA 6010A	04/09/99
Zinc	24.75	138697-001	<0.990	20.94	mg/Kg	85	65-135	47290	EPA 6010A	04/09/99

CHAIN-OF-CUSTODY RECORD


Nº 12070

Date: 3/29/09

Page 1 of 1

Project No.: 2015.06			ANALYSES										REMARKS					
Samplers (Signatures):			EPA Method 8010	EPA Method 8020	EPA Method 8020 (BTEX only)	EPA Method 8240	EPA Method 8270	TPH as gasoline	TPH as diesel	TPH as kerosene	TPH as fuel oil	TPH as oil	TPH as waste oil	Cooled	Soil (S), Water (W), or Vapor (V)	Acidified	Number of containers	Additional Comments
Date	Time	Sample Number																
3/29/09	16:00	S-5												X	S	-	1	* CONTENTS S-5, 6, 7, 8 For ANALYSIS. * As, Fe, Cd, Cr, Pb Zn (combine)
	16:00	S-6												X	S	-	1	
	16:10	S-7												X	S	-	1	
3/29/09	07:55	S-8												X	S	-	1	

Turnaround time: SD, TAT Results to: BRAD SOB Total No. of containers: 4

Relinquished by (signature): <i>[Signature]</i>	Date: 3/29/09	Relinquished by (signature): <i>[Signature]</i>	Date: 3/29/09	Relinquished by (signature):	Date:	Method of Shipment: DELIVER TO LAB
Printed Name: BLAKE M YAMAMOTO	Time: 16:43	Printed Name: TRAVERS	Time: 1:00	Printed Name:	Time:	Laboratory Comments and Log No.:
Company: GEOMETRIX		Company: EST		Company:		
Received by (signature):	Date:	Received by (signature):	Date:	Received by (signature):	Date:	 Geomatrix Consultante 100 Pine Street, 10th Floor San Francisco, California 94111 415 434 9400
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:	
Company:		Company:		Company:		