

Geomatrix Consultants

May 24, 2005

2101 Webster Street, 12th Floor
Oakland, CA 94612

Attn.: Matt Goerz

Project#: 6257

Attached is our report for your samples received on 04/25/2005 00:00

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/09/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Metals

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257

Received: 04/25/2005

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-09-1.5	04/25/2005 13:58	Soil	1
SB-35-1.5	04/26/2005 15:35	Soil	2
SB-35-3	04/26/2005 15:37	Soil	3
SB-37-1.5	04/26/2005 13:52	Soil	4
SB-37-3	04/26/2005 13:55	Soil	5
SB-38-1.5	04/26/2005 13:42	Soil	6
SB-38-3	04/26/2005 13:45	Soil	7
SB-40-1.5	04/26/2005 11:27	Soil	8
SB-40-3	04/26/2005 11:30	Soil	9
SB-41-1.5	04/26/2005 11:07	Soil	10
SB-41-3	04/26/2005 11:10	Soil	11
SB-28-1.5	04/27/2005 08:52	Soil	12
SB-28-3	04/27/2005 08:55	Soil	13
SB-32-1.5	04/27/2005 07:52	Soil	15
SB-32-3	04/27/2005 07:55	Soil	16
SB-52-3	04/29/2005 12:00	Soil	17
SB-53-3	04/29/2005 13:00	Soil	18
SB-10-1.5	04/25/2005 16:03	Soil	19
SB-10-3	04/25/2005 16:05	Soil	20
SB-43-1.5	04/26/2005 14:37	Soil	21
SB-43-3	04/26/2005 14:40	Soil	22
SB-44-1.5	04/26/2005 14:27	Soil	23
SB-44-3	04/26/2005 14:30	Soil	24
SB-46-1.5	04/26/2005 14:03	Soil	25
SB-46-3	04/26/2005 14:05	Soil	26
SB-47-1.5	04/26/2005 11:43	Soil	27
SB-47-3	04/26/2005 11:45	Soil	28
SB-48-1.5	04/26/2005 11:57	Soil	29
SB-48-3	04/26/2005 12:00	Soil	30

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Project: 6257

Received: 04/25/2005

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SB-09-1.5	Lab ID:	2005-05-0482 - 1
Sampled:	04/25/2005 13:58	Extracted:	5/18/2005 17:57
Matrix:	Soil	QC Batch#:	2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	2.5	0.50	mg/Kg	1.00	05/20/2005 12:45	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-35-1.5	Lab ID: 2005-05-0482 - 2
Sampled: 04/26/2005 15:35	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.6	0.50	mg/Kg	1.00	05/20/2005 12:49	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-35-3	Lab ID: 2005-05-0482 - 3
Sampled: 04/26/2005 15:37	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.5	0.50	mg/Kg	1.00	05/20/2005 12:52	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-37-1.5	Lab ID: 2005-05-0482 - 4
Sampled: 04/26/2005 13:52	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.3	0.50	mg/Kg	1.00	05/20/2005 12:56	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-37-3	Lab ID: 2005-05-0482 - 5
Sampled: 04/26/2005 13:55	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.4	0.50	mg/Kg	1.00	05/20/2005 13:00	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-38-1.5	Lab ID: 2005-05-0482 - 6
Sampled: 04/26/2005 13:42	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.7	0.50	mg/Kg	1.00	05/20/2005 13:10	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-38-3	Lab ID: 2005-05-0482 - 7
Sampled: 04/26/2005 13:45	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.6	0.50	mg/Kg	1.00	05/20/2005 13:14	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-40-1.5	Lab ID: 2005-05-0482 - 8
Sampled: 04/26/2005 11:27	Extracted: 5/18/2005 17:57
Matrix: Soil	QC Batch#: 2005/05/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.2	0.50	mg/Kg	1.00	05/20/2005 13:17	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-40-3	Lab ID: 2005-05-0482 - 9
Sampled: 04/26/2005 11:30	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.3	0.50	mg/Kg	1.00	05/18/2005 19:32	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-41-1.5	Lab ID: 2005-05-0482 - 10
Sampled: 04/26/2005 11:07	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.6	0.50	mg/Kg	1.00	05/18/2005 19:43	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-41-3	Lab ID: 2005-05-0482 - 11
Sampled: 04/26/2005 11:10	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.2	0.50	mg/Kg	1.00	05/18/2005 19:47	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-28-1.5	Lab ID: 2005-05-0482 - 12
Sampled: 04/27/2005 08:52	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.6	0.50	mg/Kg	1.00	05/18/2005 19:56	

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Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-28-3	Lab ID: 2005-05-0482 - 13
Sampled: 04/27/2005 08:55	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.4	0.50	mg/Kg	1.00	05/18/2005 20:00	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-32-1.5	Lab ID: 2005-05-0482 - 15
Sampled: 04/27/2005 07:52	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	5.6	1.0	mg/Kg	1.00	05/18/2005 20:04	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-32-3	Lab ID: 2005-05-0482 - 16
Sampled: 04/27/2005 07:55	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	5.4	1.0	mg/Kg	1.00	05/18/2005 20:07	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-52-3	Lab ID: 2005-05-0482 - 17
Sampled: 04/29/2005 12:00	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	5.2	1.0	mg/Kg	1.00	05/18/2005 20:11	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-53-3	Lab ID: 2005-05-0482 - 18
Sampled: 04/29/2005 13:00	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	1.9	1.0	mg/Kg	1.00	05/18/2005 20:15	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-10-1.5	Lab ID: 2005-05-0482 - 19
Sampled: 04/25/2005 16:03	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	1.8	1.0	mg/Kg	1.00	05/18/2005 20:18	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-10-3	Lab ID: 2005-05-0482 - 20
Sampled: 04/25/2005 16:05	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	1.6	1.0	mg/Kg	1.00	05/18/2005 20:22	

Metals

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-43-1.5	Lab ID: 2005-05-0482 - 21
Sampled: 04/26/2005 14:37	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	4.6	1.0	mg/Kg	1.00	05/18/2005 20:25	
Cadmium	1.1	0.50	mg/Kg	1.00	05/18/2005 20:25	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-43-3	Lab ID: 2005-05-0482 - 22
Sampled: 04/26/2005 14:40	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	1.7	1.0	mg/Kg	1.00	05/18/2005 20:29	
Cadmium	0.84	0.50	mg/Kg	1.00	05/18/2005 20:29	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-44-1.5	Lab ID: 2005-05-0482 - 23
Sampled: 04/26/2005 14:27	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	4.3	1.0	mg/Kg	1.00	05/18/2005 20:39	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-44-3	Lab ID: 2005-05-0482 - 24
Sampled: 04/26/2005 14:30	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	2.2	1.0	mg/Kg	1.00	05/18/2005 20:42	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-46-1.5	Lab ID: 2005-05-0482 - 25
Sampled: 04/26/2005 14:03	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	18	1.0	mg/Kg	1.00	05/18/2005 20:46	
Cadmium	4.8	0.50	mg/Kg	1.00	05/18/2005 20:46	
Cobalt	12	1.0	mg/Kg	1.00	05/18/2005 20:46	

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Project: 6257

Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-46-3	Lab ID: 2005-05-0482 - 26
Sampled: 04/26/2005 14:05	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	1.9	1.0	mg/Kg	1.00	05/18/2005 20:50	
Cadmium	1.2	0.50	mg/Kg	1.00	05/18/2005 20:50	
Cobalt	9.9	1.0	mg/Kg	1.00	05/18/2005 20:50	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-47-1.5	Lab ID: 2005-05-0482 - 27
Sampled: 04/26/2005 11:43	Extracted: 5/18/2005 12:17
Matrix: Soil	QC Batch#: 2005/05/18-03.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	3.8	1.0	mg/Kg	1.00	05/18/2005 20:53	
Cadmium	1.3	0.50	mg/Kg	1.00	05/18/2005 20:53	
Cobalt	9.8	1.0	mg/Kg	1.00	05/18/2005 20:53	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-47-3	Lab ID: 2005-05-0482 - 28
Sampled: 04/26/2005 11:45	Extracted: 5/19/2005 05:41
Matrix: Soil	QC Batch#: 2005/05/19-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	3.3	1.0	mg/Kg	1.00	05/19/2005 10:26	
Cadmium	1.3	0.50	mg/Kg	1.00	05/19/2005 10:26	
Cobalt	8.7	1.0	mg/Kg	1.00	05/19/2005 10:26	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-48-1.5	Lab ID: 2005-05-0482 - 29
Sampled: 04/26/2005 11:57	Extracted: 5/19/2005 05:41
Matrix: Soil	QC Batch#: 2005/05/19-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	20	1.0	mg/Kg	1.00	05/19/2005 10:30	

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Received: 04/25/2005

Prep(s): 3050B	Test(s): 6010B
Sample ID: SB-48-3	Lab ID: 2005-05-0482 - 30
Sampled: 04/26/2005 12:00	Extracted: 5/19/2005 05:41
Matrix: Soil	QC Batch#: 2005/05/19-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	3.7	1.0	mg/Kg	1.00	05/19/2005 10:34	

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Received: 04/25/2005

Batch QC Report

Prep(s): 3050B Test(s): 6010B
Method Blank **Soil** **QC Batch # 2005/05/18-03.15**
 MB: 2005/05/18-03.15-013 Date Extracted: 05/18/2005 12:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	05/18/2005 19:20	
Cadmium	ND	0.50	mg/Kg	05/18/2005 19:20	
Cobalt	ND	1.0	mg/Kg	05/18/2005 19:20	

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Batch QC Report					
Prep(s): 3050B				Test(s): 6010B	
Method Blank	Soil			QC Batch # 2005/05/18-04.15	
MB: 2005/05/18-04.15-029				Date Extracted: 05/18/2005 17:57	

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	05/20/2005 11:15	
Cadmium	ND	0.50	mg/Kg	05/20/2005 11:15	
Cobalt	ND	1.0	mg/Kg	05/20/2005 11:15	

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Received: 04/25/2005

Batch QC Report					
Prep(s): 3050B		Test(s): 6010B			
Method Blank		Soil		QC Batch # 2005/05/19-02.15	
MB: 2005/05/19-02.15-016			Date Extracted: 05/19/2005 05:41		

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	05/19/2005 09:52	
Cadmium	ND	0.50	mg/Kg	05/19/2005 09:52	
Cobalt	ND	1.0	mg/Kg	05/19/2005 09:52	

Metals

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257

Received: 04/25/2005

Batch QC Report										
Prep(s): 3050B							Test(s): 6010B			
Laboratory Control Spike			Soil			QC Batch # 2005/05/18-03.15				
LCS	2005/05/18-03.15-014		Extracted: 05/18/2005			Analyzed: 05/18/2005 19:24				
LCSD	2005/05/18-03.15-015		Extracted: 05/18/2005			Analyzed: 05/18/2005 19:28				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Arsenic	105	102	100.0	105.0	102.0	2.9	80-120	20		
Cadmium	103	99.7	100.0	103.0	99.7	3.3	80-120	20		
Cobalt	103	100	100.0	103.0	100.0	3.0	80-120	20		

Metals

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Project: 6257

Received: 04/25/2005

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
Laboratory Control Spike			Soil			QC Batch # 2005/05/18-04.15				
LCS	2005/05/18-04.15-030		Extracted: 05/18/2005			Analyzed: 05/20/2005 11:34				
LCSD	2005/05/18-04.15-031		Extracted: 05/18/2005			Analyzed: 05/20/2005 11:43				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Arsenic	105	105	100.0	105.0	105.0	0.0	80-120	20		
Cadmium	104	104	100.0	104.0	104.0	0.0	80-120	20		
Cobalt	104	104	100.0	104.0	104.0	0.0	80-120	20		

Metals

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Project: 6257

Received: 04/25/2005

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
Laboratory Control Spike			Soil			QC Batch # 2005/05/19-02.15				
LCS	2005/05/19-02.15-017		Extracted: 05/19/2005			Analyzed: 05/19/2005 09:55				
LCSD	2005/05/19-02.15-018		Extracted: 05/19/2005			Analyzed: 05/19/2005 09:59				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Arsenic	105	106	100.0	105.0	106.0	0.9	80-120	20		
Cadmium	104	104	100.0	104.0	104.0	0.0	80-120	20		
Cobalt	104	104	100.0	104.0	104.0	0.0	80-120	20		

Metals

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Project: 6257

Received: 04/25/2005

Batch QC Report			
Prep(s):	3050B	Test(s):	6010B
Matrix Spike (MS / MSD)		Soil	QC Batch # 2005/05/18-03.15
SB-40-3 >> MS		Lab ID:	2005-05-0482 - 009
MS: 2005/05/18-03.15-017		Extracted: 05/18/2005	Analyzed: 05/18/2005 19:36
			Dilution: 1.00
MSD: 2005/05/18-03.15-018		Extracted: 05/18/2005	Analyzed: 05/18/2005 19:40
			Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Arsenic	79.9	85.6	3.59	96.2	79.3	84.5	6.3	75-125	20		
Cadmium	78.3	79.8	1.32	96.2	80.0	80.8	1.0	75-125	20		
Cobalt	86.5	89.7	13.4	96.2	76.0	78.6	3.4	75-125	20		

Metals

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Oakland, CA 94612
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Project: 6257

Received: 04/25/2005

Batch QC Report											
Prep(s): 3050B						Test(s): 6010B					
Matrix Spike (MS / MSD)				Soil				QC Batch # 2005/05/18-04.15			
MS/MSD						Lab ID: 2005-05-0473 - 001					
MS: 2005/05/18-04.15-034			Extracted: 05/18/2005			Analyzed: 05/20/2005 11:55			Dilution: 1.00		
MSD: 2005/05/18-04.15-035			Extracted: 05/18/2005			Analyzed: 05/20/2005 11:59			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Arsenic	95.1	96.6	5.79	100.0	89.3	90.8	1.7	75-125	20		
Cadmium	93.9	93.2	8.79	100.0	85.1	84.4	0.8	75-125	20		
Cobalt	97.3	98.6	11.4	100.0	85.9	87.2	1.5	75-125	20		

Metals

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Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257

Received: 04/25/2005

Batch QC Report											
Prep(s): 3050B						Test(s): 6010B					
Matrix Spike (MS / MSD)				Soil				QC Batch # 2005/05/19-02.15			
MS/MSD						Lab ID: 2005-05-0521 - 001					
MS: 2005/05/19-02.15-020			Extracted: 05/19/2005			Analyzed: 05/19/2005 10:09			Dilution: 1.00		
MSD: 2005/05/19-02.15-021			Extracted: 05/19/2005			Analyzed: 05/19/2005 10:19			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Arsenic	82.7	82.5	3.64	96.2	82.2	82.0	0.2	75-125	20		
Cadmium	76.0	74.3	1.30	96.2	77.7	75.9	2.3	75-125	20		
Cobalt	86.2	84.6	10.4	96.2	78.8	77.1	2.2	75-125	20		

New Submission No.:

STL San Francisco
ADD ON/CHANGE
ORDER

Reference No.: 115148

ORIGINAL SUBMISSION INFORMATION

Name of Caller: Paisha Jorgensen (emailed) Bill To: Geomatrix Consultants

Client Name: Geomatrix Consultants

Call Date: 05-17-05

Attn: Accts Payable

Project Mgr.: Matt Goerz

Add on Due Date: 05/24/05

Comments:

Project Name:

Project No.: 6257.

PO#:

Date Received: 4/25/05

Submission No.: 2005-04-0831; -0878;
2005-04-0827; -0879

Submission No.: 2005-04-0903

Sample ID	Date	Time	Mat ix	Prev. Spl. #
SB-09-1.5	04-25	13:58	Soil	11
SB-35-1.5	4/26	15:35		16
SB-35-3		15:37		17
SB-37-1.5		13:52		22
SB-37-3		13:55		23
SB-38-1.5		13:42		25
SB-38-3		13:45		26
SB-40-1.5		11:27		31
SB-40-3		11:30		32
SB-41-1.5	04-26	11:07	soil	34

ANALYSIS REQUEST

Analysis Request	Request
TPH EPA - 8015/8021 □ 82608	
Gas w/ □ BTEX □ MTBE	
Purgeable Aromatics	
BTEX EPA - 9021 □ 82608	
TPH (EPA 8015M) □ Silica Gel	
Diesel □ Motor Oil □ Other	
Fuel Tests EPA 82608 □ Gas □ BTEX	
Five Ovens □ DCA □ BTEX □ Ethanol	
Purgeable Halocarbons (HVOCs) EPA 8021 by 82608	
Volatile Organics GCMs (VOCs) □ EPA 8260B □ 824	
Semivolatiles GCMs □ EPA 8270 □ 825	
Oil & Grease □ Petroleum (EPA 1664) □ Total	
Pesticides □ EPA 8081 □ 808	
PCBs □ EPA 8082 □ 808	
PNAs by □ 8270 □ 8310	
CAM 17 Metals (EPA 8010/7470/7471)	
Metals □ Lead □ LUFT □ RCR □ Other Cadmium	X
Low Level Metals by EPA 200.85020 (ICP-MS)	
WET (STLC) □ TCLP	
Hexavalent Chromium □ pH (24h hold time for H ₂ O)	
Spec Cond □ Alkalinity □ TSS	
Anions: □ Cl □ SO ₄ □ NO ₃ □ F □ Br □ NO ₂ □ PO ₄	

Handwritten notes: 0831, 2005-04, 0827, 0879

New Submission No.:

Reference No.:

ORIGINAL SUBMISSION INFORMATION

Name of Caller: Paisha Jorgensen (emailed) Bill To: Geomatrix Consultant

Client Name: Geomatrix Consultants

Call Date: 05-17-05

Attn.: Accts Payable

Project Mgr.: Matt Goerz

Add on Due Date: 05/24/05

Comments:

Project Name:

Project No.: 6257.

PO#:

Date Received: 4/25/05

Submission No.: 2005-04-0831; -0878; 2005-04-0827; -0875

Submission No.: 2005-04-0903

Sample ID	Date	Time	Mat In	Prev. Spl. #
SB-41 - 3	4-26	11:10	S	35
SB-28 - 1.5	4-27	8:52	S	26
SB-28 - 3		8:55	S	27
SB-25 - 3	4-27	11:05	S	18
SB-32 - 1.5	4-27	07:52	S	8
SB-32 - 3	4-27	07:53	S	9
SB-52 - 3	4-29	12:00	S	6
SB-53 - 3	4-29	13:00	S	9
SB-10 - 1.5	4-25	16:03	S	10
10-3	4-25	16:05	S	11

ANALYSIS REQUEST

TPH EPA - 6015/9021 82508	Gas w/ BTEX 019021	Purgeable Aromatics BTEX EPA - 8021 82508	TPH (EPA 8015M) 019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021	019021																							
<input type="checkbox"/> Gas w/ BTEX 019021																																											

Asmenic X X X X X X

2005-05-0482

STL San Francisco
ADD ON/CHANGE
ORDER

New Submission No.:

Reference No.:

ORIGINAL SUBMISSION INFORMATION

Name of Caller: Paisha Jorgensen (emailed) Bill To: Geomatrix Consult Ha
 Client Name: Geomatrix Consultants Call Date: 05-17-05 Attn.: Accts Payable
 Project Mgr.: Matt Goerz Add on Due Date: 05/24/05 Comments:
 Project Name: 6257
 Project No.: 6257

PO#: _____
 Date Received: 4/25/05
 Submission No.: 2005-04-0827; -0878; 2005-04-0827; -0878; 2005-04-0403

Sample ID	Date	Time	Mat rix	Prev. Spl.#
SB-43-1.5	04-26	14:37	✓	32
SB-43-3		14:40		33
SB-44-1.5		14:27		35
SB-44-3		14:30		36
SB-46-1.5		14:03		21
SB-46-3		14:05		22
SB-47-1.5		11:43		24
SB-47-3		11:45		25
SB-48-1.5		11:57		27
SB-48-3	04-26	12:00	✓	28

ANALYSIS REQUEST

<input type="checkbox"/> TPH EPA - 80158021 <input type="checkbox"/> 8250B	<input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	<input type="checkbox"/> Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B <input type="checkbox"/> 824	<input type="checkbox"/> Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825	<input type="checkbox"/> Oil & Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	<input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 808 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 808	<input type="checkbox"/> PNAAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> CAM 17 Metals (EPA 8010/7470/7471)	<input type="checkbox"/> Metal: <input type="checkbox"/> Lead <input type="checkbox"/> LUP <input type="checkbox"/> RCRA <input type="checkbox"/> Other <u>As</u>	<input type="checkbox"/> Low Level Metals by EPA 200.8/8020 (CP-MS)	<input type="checkbox"/> WET (STLC)	<input type="checkbox"/> Hexavalent Chromium (24h hold time for H ₂ O)	<input type="checkbox"/> Spec Cond. <input type="checkbox"/> Alkalinity	<input type="checkbox"/> TSS	<input type="checkbox"/> Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	<input type="checkbox"/> MISC Metals <input type="checkbox"/> MISC Metals <input type="checkbox"/> MISC Metals
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903

875

827

828

831

Submission	Sample ID	Analysis
2005-04-	SB-09-1.5	Cadmium
	SB-35-1.5	Cadmium
	SB-35-3	Cadmium
	SB-37-1.5	Cadmium
	SB-37-3	Cadmium
	SB-38-1.5	Cadmium
	SB-38-3	Cadmium
	SB-40-1.5	Cadmium
	SB-40-3	Cadmium
	SB-41-1.5	Cadmium
	SB-41-3	Cadmium
2005-04-	SB-28-1.5	Cadmium
	SB-28-3	Cadmium
	SB-25-3	PNA by 8270SIM
2005-04-	SB-10-1.5	Arsenic
	SB-10-3	Arsenic
	SB-43-1.5	Arsenic and Cadmium
	SB-43-3	Arsenic and Cadmium
	SB-44-1.5	Arsenic
	SB-44-3	Arsenic
	SB-46-1.5	Arsenic, Cadmium, Cobalt
	SB-46-3	Arsenic, Cadmium, Cobalt
	SB-47-1.5	Arsenic, Cadmium, Cobalt
	SB-47-3	Arsenic, Cadmium, Cobalt
	SB-48-1.5	Arsenic
	SB-48-3	Arsenic
2005-04-	SB-32-1.5	Arsenic - #8 - 826 4/27
	SB-32-3	Arsenic - #9
2005-04-	SB-52-3	Arsenic - #6 7 4/29
	SB-53-3	Arsenic - #9

2040-50-5002

From: Paisha Jorgensen [pjorgensen@geomatrix.com]
 Sent: Tuesday, May 17, 2005 10:13 AM
 To: Salimpour, Afsaneh
 Subject: SCCTRC further analysis

Afsaneh,
 Please analyze the following samples. Note that we only want the select metals indicated.
 Thank you,
 Paisha

Salimpour, Afsaneh