

2101 Webster Street
12th Floor
Oakland, CA 94612
(510) 663-4100 • FAX (510) 663-4141



March 2, 2005
Project 3095.007

Alameda County
Environmental Health
MAR 03 2005

Mr. Robert Schultz
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Addendum to Summary of Past and Current Environmental Site Investigations
and Remediation Activities, Toxics Case No. RO0002619
4226 Halleck Street
Emeryville, California

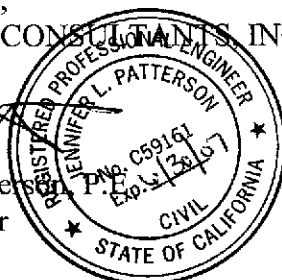
Dear Mr. Schultz:

Enclosed are the analytical laboratory data sheets for analyses of soil samples collected by Geomatrix Consultants, Inc. (Geomatrix), at 4226 Halleck Street (the Site), in Emeryville, California. Results of the investigation and remediation activities during which these samples were collected are presented in Geomatrix's *Summary of Past and Current Environmental Site Investigations and Remediation Activities, Toxics Case No. RO0002619*, dated February 28, 2005.

Please call either of the undersigned if you have any questions or require additional information.

Sincerely yours,
GEOMATRIX CONSULTANTS, INC.

Jennifer L. Patterson
Senior Engineer



JLP/ldu
I:\Doc_Safe\3000s\3095.007\Analytical Results Letter.doc

Attachments: Analytical Laboratory Data Sheets

cc: Todd Adams -- Holliday Development
Tom Graf

Geomatrix Consultants

October 29, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.006

Dear Ms. Patterson,

Attached is our report for your samples received on 10/22/2004 16:00

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

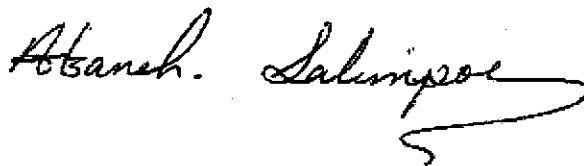
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 12/06/2004 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

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Geomatrix Consultants

October 29, 2004

2101 Webster Street, 12 th floor
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Attn.: Jennifer Patterson

Project#: 3095.006

Case Narrative

General and Sample Comments

We (STL San Francisco) received 16 Soil samples , on Friday, October 22, 2004
4:00 PM.

Analysis Comments and Flags by QC Batch

| MISC metals - No Hg | Soil | QC Batch#: 2004/10/25-08.15 |
|---------------------|------|-----------------------------|
|---------------------|------|-----------------------------|

| | |
|------------------|--|
| GMX-9-2.0 >> MSD | 2004/10/25-08.15-146 |
| Compound Flag(s) | |
| mso | MS/MSD spike recoveries were out of QC limits due to matrix interference. Precision and Accuracy were verified by LCS/LCSD. |
| GMX-9-2.0 >> MSD | 2004/10/25-08.15-146 |
| Compound Flag(s) | |
| rpd | Analyte RPD was out of QC limits due to sample heterogeneity. |

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CAM 17 Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.006

Received: 10/22/2004 16:00

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|---------------|------------------|--------|-------|
| COMP-1-102204 | 10/22/2004 12:45 | Soil | 15 |

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CAM 17 Metals

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Project: 3095.006

Received: 10/22/2004 16:00

| | | | |
|------------|----------------------|------------|--------------------------------------|
| Prep(s): | 3050B 7471A | Test(s): | 6010B 7471A |
| Sample ID: | COMP-1-102204 | Lab ID: | 2004-10-0746 - 15 |
| Sampled: | 10/22/2004 12:45 | Extracted: | 10/26/2004 15:06 10/26/2004 15:03 |
| Matrix: | Soil | QC Batch#: | 2004/10/26-03.16 2004/10/26-05.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|------------|-------|-------|-------|----------|------------------|------|
| Antimony | ND | 2.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Arsenic | 1.9 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Barium | 40 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Beryllium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Chromium | 54 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Cobalt | 7.2 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Copper | 6.8 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Lead | 2.7 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Molybdenum | ND | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Nickel | 37 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Selenium | ND | 2.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Silver | ND | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Thallium | ND | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Vanadium | 35 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Zinc | 22 | 1.0 | mg/Kg | 1.00 | 10/28/2004 09:17 | |
| Mercury | ND | 0.050 | mg/Kg | 1.00 | 10/28/2004 07:13 | |

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Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 7471A

Method Blank

MB: 2004/10/26-03.16-011

Soil

Test(s): 7471A

QC Batch # 2004/10/26-03.16

Date Extracted: 10/26/2004 15:06

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-------|-------|------------------|------|
| Mercury | ND | 0.050 | mg/Kg | 10/28/2004 06:58 | |

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Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2004/10/26-05.15-037

Soil

Test(s): 6010B

QC Batch # 2004/10/26-05.15

Date Extracted: 10/26/2004 15:03

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|------------|-------|------|-------|------------------|------|
| Antimony | ND | 2.0 | mg/Kg | 10/28/2004 08:41 | |
| Arsenic | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Barium | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Beryllium | ND | 0.50 | mg/Kg | 10/28/2004 08:41 | |
| Cadmium | ND | 0.50 | mg/Kg | 10/28/2004 08:41 | |
| Chromium | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Cobalt | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Copper | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Lead | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Molybdenum | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Nickel | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Selenium | ND | 2.0 | mg/Kg | 10/28/2004 08:41 | |
| Silver | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Thallium | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Vanadium | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |
| Zinc | ND | 1.0 | mg/Kg | 10/28/2004 08:41 | |

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Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike

Soil

QC Batch # 2004/10/26-03.16

LCS 2004/10/26-03.16-012

Extracted: 10/26/2004

Analyzed: 10/28/2004 07:00

LCSD 2004/10/26-03.16-013

Extracted: 10/26/2004

Analyzed: 10/28/2004 07:01

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|-------|-----------|------------|------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Mercury | 0.500 | 0.485 | 0.500 | 100.0 | 97.0 | 3.0 | 85-115 | 20 | | |

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Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/10/26-05.15

LCS 2004/10/26-05.15-038

Extracted: 10/26/2004

Analyzed: 10/28/2004 08:44

LCSD 2004/10/26-05.15-039

Extracted: 10/26/2004

Analyzed: 10/28/2004 08:47

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|------------|-------------|-------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Antimony | 102 | 102 | 100.0 | 102.0 | 102.0 | 0.0 | 80-120 | 20 | | |
| Arsenic | 108 | 106 | 100.0 | 108.0 | 106.0 | 1.9 | 80-120 | 20 | | |
| Barium | 105 | 102 | 100.0 | 105.0 | 102.0 | 2.9 | 80-120 | 20 | | |
| Beryllium | 99.7 | 98.9 | 100.0 | 99.7 | 98.9 | 0.8 | 80-120 | 20 | | |
| Cadmium | 102 | 99.9 | 100.0 | 102.0 | 99.9 | 2.1 | 80-120 | 20 | | |
| Chromium | 96.7 | 94.6 | 100.0 | 96.7 | 94.6 | 2.2 | 80-120 | 20 | | |
| Cobalt | 104 | 101 | 100.0 | 104.0 | 101.0 | 2.9 | 80-120 | 20 | | |
| Copper | 105 | 102 | 100.0 | 105.0 | 102.0 | 2.9 | 80-120 | 20 | | |
| Lead | 100 | 98.3 | 100.0 | 100.0 | 98.3 | 1.7 | 80-120 | 20 | | |
| Molybdenum | 104 | 102 | 100.0 | 104.0 | 102.0 | 1.9 | 80-120 | 20 | | |
| Nickel | 99.3 | 97.2 | 100.0 | 99.3 | 97.2 | 2.1 | 80-120 | 20 | | |
| Selenium | 94.4 | 92.9 | 100.0 | 94.4 | 92.9 | 1.6 | 80-120 | 20 | | |
| Silver | 102 | 100.0 | 100.0 | 102.0 | 100.0 | 2.0 | 80-120 | 20 | | |
| Thallium | 96.9 | 95.6 | 100.0 | 96.9 | 95.6 | 1.4 | 80-120 | 20 | | |
| Vanadium | 103 | 101 | 100.0 | 103.0 | 101.0 | 2.0 | 80-120 | 20 | | |
| Zinc | 99.7 | 97.4 | 100.0 | 99.7 | 97.4 | 2.3 | 80-120 | 20 | | |

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Project: 3095.006

Received: 10/22/2004 16:00

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| GMX-9-2.0 | 10/22/2004 09:05 | Soil | 1 |
| GMX-9-4.0 | 10/22/2004 09:06 | Soil | 2 |
| GMX-10-2.0 | 10/22/2004 09:10 | Soil | 3 |
| GMX-10-4.0 | 10/22/2004 09:10 | Soil | 4 |
| GMX-11-2.0 | 10/22/2004 09:20 | Soil | 5 |
| GMX-11-4.0 | 10/22/2004 09:20 | Soil | 6 |
| GMX-7-5.5 | 10/22/2004 10:55 | Soil | 8 |
| GMX-6-4.0 | 10/22/2004 11:00 | Soil | 9 |
| GMX-5-4.0 | 10/22/2004 11:07 | Soil | 10 |
| GMX-4-4.0 | 10/22/2004 11:42 | Soil | 11 |
| GMX-3-4.0 | 10/22/2004 11:50 | Soil | 12 |
| GMX-2-4.0 | 10/22/2004 12:00 | Soil | 13 |
| GMX-8-5.0 | 10/22/2004 12:39 | Soil | 14 |
| GMX-1-4.0 | 10/22/2004 12:55 | Soil | 16 |

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Metals

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

Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3050B Test(s): 6010B
Sample ID: GMX-9-2.0 Lab ID: 2004-10-0746 - 1
Sampled: 10/22/2004 09:05 Extracted: 10/25/2004 16:50
Matrix: Soil QC Batch#: 2004/10/25-08.15
Analysis Flag: . (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 7.8 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:00 | |
| Barium | 94 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:00 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:00 | |
| Copper | 28 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:00 | |
| Lead | 20 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:00 | |
| Zinc | 71 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:00 | |

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10/29/2004 12:57

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612

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

Project: 3095.006

Received: 10/22/2004 16:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-9-4.0 | Lab ID: 2004-10-0746 - 2 |
| Sampled: 10/22/2004 09:06 | Extracted: 10/25/2004 16:50 |
| Matrix: Soil | QC Batch#: 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 3.9 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:10 | |
| Barium | 140 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:10 | |
| Cadmium | 0.55 | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:10 | |
| Copper | 21 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:10 | |
| Lead | 27 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:10 | |
| Zinc | 58 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:10 | |

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Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3050B Test(s): 6010B
Sample ID: GMX-10-4.0 Lab ID: 2004-10-0746 - 4
Sampled: 10/22/2004 09:10 Extracted: 10/25/2004 16:50
Matrix: Soil QC Batch#: 2004/10/25-08.15

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 9.4 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:17 | |
| Barium | 180 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:17 | |
| Cadmium | 3.0 | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:17 | |
| Copper | 36 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:17 | |
| Lead | 120 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:17 | |
| Zinc | 220 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:17 | |

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Project: 3095.006

Received: 10/22/2004 16:00

| | | | |
|------------|------------------|------------|------------------|
| Prep(s): | 3050B | Test(s): | 6010B |
| Sample ID: | GMX-11-2.0 | Lab ID: | 2004-10-0746 - 5 |
| Sampled: | 10/22/2004 09:20 | Extracted: | 10/25/2004 16:50 |
| Matrix: | Soil | QC Batch#: | 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 4.9 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:20 | |
| Barium | 82 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:20 | |
| Cadmium | 0.62 | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:20 | |
| Copper | 51 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:20 | |
| Lead | 37 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:20 | |
| Zinc | 140 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:20 | |

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Project: 3095.006

Received: 10/22/2004 16:00

| | | | |
|------------|------------------|------------|------------------|
| Prep(s): | 3050B | Test(s): | 6010B |
| Sample ID: | GMX-11-4.0 | Lab ID: | 2004-10-0746 - 6 |
| Sampled: | 10/22/2004 09:20 | Extracted: | 10/25/2004 16:50 |
| Matrix: | Soil | QC Batch#: | 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 8.2 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:41 | |
| Barium | 200 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:41 | |
| Cadmium | 0.79 | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:41 | |
| Copper | 26 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:41 | |
| Lead | 6.7 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:41 | |
| Zinc | 61 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:41 | |

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Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3050B Test(s): 6010B
Sample ID: **GMX-7-5.5** Lab ID: 2004-10-0746 - 8
Sampled: 10/22/2004 10:55 Extracted: 10/25/2004 16:50
Matrix: Soil QC Batch#: 2004/10/25-08.15

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 4.8 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:45 | |
| Barium | 140 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:45 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:45 | |
| Copper | 24 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:45 | |
| Lead | 25 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:45 | |
| Zinc | 76 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:45 | |

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Received: 10/22/2004 16:00

| | | | |
|------------|------------------|------------|------------------|
| Prep(s): | 3050B | Test(s): | 6010B |
| Sample ID: | GMX-6-4.0 | Lab ID: | 2004-10-0746 - 9 |
| Sampled: | 10/22/2004 11:00 | Extracted: | 10/25/2004 16:50 |
| Matrix: | Soil | QC Batch#: | 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 4.9 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:48 | |
| Barium | 170 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:48 | |
| Cadmium | 0.50 | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:48 | |
| Copper | 19 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:48 | |
| Lead | 4.7 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:48 | |
| Zinc | 40 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:48 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.006

Received: 10/22/2004 16:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-5-4.0 | Lab ID: 2004-10-0746 - 10 |
| Sampled: 10/22/2004 11:07 | Extracted: 10/25/2004 16:50 |
| Matrix: Soil | QC Batch#: 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 6.9 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:51 | |
| Barium | 160 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:51 | |
| Cadmium | 0.54 | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:51 | |
| Copper | 29 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:51 | |
| Lead | 9.8 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:51 | |
| Zinc | 70 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:51 | |

Metals

Geomatrix Consultants

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Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3050B Test(s): 6010B
Sample ID: **GMX-4-4.0** Lab ID: 2004-10-0746 - 11
Sampled: 10/22/2004 11:42 Extracted: 10/25/2004 16:50
Matrix: Soil QC Batch#: 2004/10/25-08.15

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 3.8 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:55 | |
| Barium | 150 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:55 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:55 | |
| Copper | 19 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:55 | |
| Lead | 5.0 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:55 | |
| Zinc | 38 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:55 | |

Severn Trent Laboratories, Inc.

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10/29/2004 12:57

Metals

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Oakland, CA 94612

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

Project: 3095.006

Received: 10/22/2004 16:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-3-4.0 | Lab ID: 2004-10-0746 - 12 |
| Sampled: 10/22/2004 11:50 | Extracted: 10/25/2004 16:50 |
| Matrix: Soil | QC Batch#: 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 5.6 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:58 | |
| Barium | 140 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:58 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 18:58 | |
| Copper | 18 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:58 | |
| Lead | 4.9 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:58 | |
| Zinc | 40 | 1.0 | mg/Kg | 1.00 | 10/28/2004 18:58 | |

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10/29/2004 12:57

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
 Oakland, CA 94612
 Phone: (510) 663-4100 Fax: (510) 663-4141
 Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3050B Test(s): 6010B
 Sample ID: **GMX-2-4.0** Lab ID: 2004-10-0746 - 13
 Sampled: 10/22/2004 12:00 Extracted: 10/25/2004 16:50
 Matrix: Soil QC Batch#: 2004/10/25-08.15

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 3.0 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:01 | |
| Barium | 200 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:01 | |
| Cadmium | 0.53 | 0.50 | mg/Kg | 1.00 | 10/28/2004 19:01 | |
| Copper | 21 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:01 | |
| Lead | 5.5 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:01 | |
| Zinc | 51 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:01 | |

Metals

Geomatrix Consultants

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Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3050B Test(s): 6010B
Sample ID: GMX-8-5.0 Lab ID: 2004-10-0746 - 14
Sampled: 10/22/2004 12:39 Extracted: 10/25/2004 16:50
Matrix: Soil QC Batch#: 2004/10/25-08.15

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 2.7 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:04 | |
| Barium | 120 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:04 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 10/28/2004 19:04 | |
| Copper | 15 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:04 | |
| Lead | 3.8 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:04 | |
| Zinc | 34 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:04 | |

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Metals

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

Project: 3095.006

Received: 10/22/2004 16:00

| | | | |
|------------|------------------|------------|-------------------|
| Prep(s): | 3050B | Test(s): | 6010B |
| Sample ID: | GMX-1-4.0 | Lab ID: | 2004-10-0746 - 16 |
| Sampled: | 10/22/2004 12:55 | Extracted: | 10/25/2004 16:50 |
| Matrix: | Soil | QC Batch#: | 2004/10/25-08.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 22 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:08 | |
| Barium | 73 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:08 | |
| Cadmium | 5.4 | 0.50 | mg/Kg | 1.00 | 10/28/2004 19:08 | |
| Copper | 57 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:08 | |
| Lead | 54 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:08 | |
| Zinc | 470 | 1.0 | mg/Kg | 1.00 | 10/28/2004 19:08 | |

Metals

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

Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2004/10/25-08.15-141

Soil

Test(s): 6010B

QC Batch # 2004/10/25-08.15

Date Extracted: 10/25/2004 16:50

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|------|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 10/28/2004 17:48 | |
| Barium | ND | 1.0 | mg/Kg | 10/28/2004 17:48 | |
| Cadmium | ND | 0.50 | mg/Kg | 10/28/2004 17:48 | |
| Copper | ND | 1.0 | mg/Kg | 10/28/2004 17:48 | |
| Lead | ND | 1.0 | mg/Kg | 10/28/2004 17:48 | |
| Zinc | ND | 1.0 | mg/Kg | 10/28/2004 17:48 | |

Metals

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Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/10/25-08.15

LCS 2004/10/25-08.15-142

Extracted: 10/25/2004

Analyzed: 10/28/2004 17:53

LCSD 2004/10/25-08.15-143

Extracted: 10/25/2004

Analyzed: 10/28/2004 17:57

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 104 | 102 | 100.0 | 104.0 | 102.0 | 1.9 | 80-120 | 20 | | |
| Barium | 101 | 99.8 | 100.0 | 101.0 | 99.8 | 1.2 | 80-120 | 20 | | |
| Cadmium | 98.9 | 97.0 | 100.0 | 98.9 | 97.0 | 1.9 | 80-120 | 20 | | |
| Copper | 104 | 102 | 100.0 | 104.0 | 102.0 | 1.9 | 80-120 | 20 | | |
| Lead | 97.6 | 95.3 | 100.0 | 97.6 | 95.3 | 2.4 | 80-120 | 20 | | |
| Zinc | 98.6 | 95.7 | 100.0 | 98.6 | 95.7 | 3.0 | 80-120 | 20 | | |

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10/29/2004 12:57

Metals

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Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/10/25-08.15

GMX-9-2.0 >> MS

Lab ID: 2004-10-0746 - 001

MS: 2004/10/25-08.15-145

Extracted: 10/25/2004

Analyzed: 10/28/2004 18:04

Dilution: 1.00

MSD: 2004/10/25-08.15-146

Extracted: 10/25/2004

Analyzed: 10/28/2004 18:07

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 | 93.2 | 95.3 | 7.84 | 99.0 | 86.2 | 88.3 | 2.4 | 75-125 | 20 | | |
| Barium | 195 | 261 | 94.2 | 99.0 | 101.8 | 168.5 | 49.4 | 75-125 | 20 | | mso, rpd |
| Cadmium | 78.0 | 81.3 | ND | 99.0 | 78.8 | 82.1 | 4.1 | 75-125 | 20 | | |
| Copper | 125 | 122 | 28.3 | 99.0 | 97.7 | 94.6 | 3.2 | 75-125 | 20 | | |
| Lead | 95.6 | 131 | 20.5 | 99.0 | 75.9 | 111.6 | 38.1 | 75-125 | 20 | | rpd |
| Zinc | 154 | 150 | 71.4 | 99.0 | 83.4 | 79.4 | 4.9 | 75-125 | 20 | | |

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10/29/2004 12:57

Metals

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Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.006

Received: 10/22/2004 16:00

Legend and Notes

Analysis Flag

Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-10-0746

Checklist completed by: (initials) DSH Date: 10/23/04

Courier name: STL San Francisco Client W.C.

Custody seals intact on shipping containers/samples

Chain of custody present?

Chain of custody signed when relinquished and received?

Chain of custody agrees with sample labels?

Samples in proper container/bottle?

Sample containers intact?

Sufficient sample volume for indicated test?

All samples received within holding time?

| | | | | | |
|-----|-------------------------------------|----|--------------------------|-------------|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | Not Present | <input checked="" type="checkbox"/> |
| Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | Not Present | <input type="checkbox"/> |
| Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | Not Present | <input type="checkbox"/> |
| Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | Not Present | <input type="checkbox"/> |
| Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | Not Present | <input type="checkbox"/> |
| Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | Not Present | <input type="checkbox"/> |

Container temp Blank temperature compliance (210-22)?

Potential reason for S/G: Ice melted Ice in bags Not enough ice Ice in storage (not in bags) Samples covered

Sampled 4hr ago? (Ice not required for all bulk samples)

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt? Yes No

pH adjusted - Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (Initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

2004-10-0746

94980

Chain-of-Custody Record 004123 Date: 10-22-04 Page 1 of 2

| Project No.: 3095.008 | | | ANALYSES | | | | | | | | | | REMARKS | | | | | | | | |
|--|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|---------|----------------|------|--|----------|-----------|--------|-------------------|--|
| Samplers (Signature): <i>Charles Downer</i> | | | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BETX only) | EPA Method 8060 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015M (Gasoline) | Method 8015M (Diesel) | Method 8015M (Motor Oil) | Silica Gel Cleanup | EM 6060 | CM 17 Analytic | Hold | Soil (S), Water (W), Vapor (V), or Other (O) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments |
| Date | Time | Sample Number | | | | | | | | | | | | | | | | | | | |
| 10/22/04 | 0905 | GMX-9-2.0 | | | | | | | | | | | X | | | S | | | X | 1 | 2" by 6" PVC Liner |
| | 0906 | GMX-9-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 0910 | GMX-10-2.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 0910 | GMX-10-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 0920 | GMX-11-2.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 0920 | GMX-11-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 0938 | GMX-8-4.0 | | | | | | | | | | | | | X | S | | | X | 1 | |
| | 1055 | GMX-7-5.5 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 1100 | GMX-6-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 1107 | GMX-5-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 1142 | GMX-4-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 1150 | GMX-3-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | ① Arsenic, Barium, Cadmium, Copper, Lead, Zinc |
| | 1200 | GMX-2-4.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 1239 | GMX-8-5.0 | | | | | | | | | | | X | | | S | | | X | 1 | |
| | 1245 | COMP-1-102204 | | | | | | | | | | | | X | | S | | | X | 1 | 4" brass sleeve |

Laboratory: **STL-SF** Turnaround Time: **Standard** Results to: **Jennifer Paterson** Total No. of Containers: **8/16**

| | | | | | | |
|---|-----------------------|------------------------------|-------|------------------------------------|-----------------------|---|
| Relinquished by (Signature): <i>Charles Downer</i> | Date: 10/22/04 | Relinquished by (Signature): | Date: | Relinquished by (Signature): | Date: | Method of Shipment: Courier |
| Printed Name: Charles Downer | Time: 1135 | Printed Name: | Time: | Printed Name: | Time: | Laboratory Comments and Log No.: 4^aC |
| Company: Geomatrix | | Company: | | Company: | | |
| Received by: | Date: | Received by: | Date: | Received by: <i>D. Harrington</i> | Date: 10/22/04 | |
| Printed Name: | Time: | Printed Name: | Time: | Printed Name: D. Harrington | Time: 1600 | |
| Company: | | Company: | | Company: STL-SF | | |

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Chain-of-Custody Record

004124

2004-10-0746

94980

Date: 10-22-04

Page 2 of 2

Project No.: 3095.006

ANALYSES

REMARKS

Samplers (Signature):
Charles Dowman

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (HAl, VOCs only) | EPA Method 8021 (BETX only) | EPA Method 8060 | EPA Method 8070 (Full Scan) | EPA Method 8070 SSM (PAHs only) | Method 8015M (Gasoline) | Method 8015M (Diesel) | Method 8015M (Motor Oil) | Silica Gel Cleanup | | | | | | | Soil (S), Water (W) Vapor (V), or Other (O) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments |
|------------|------|---------------|--------------------------------|-------------------------------------|--------------------------------|-----------------|--------------------------------|------------------------------------|-------------------------|-----------------------|--------------------------|--------------------|--|--|--|--|--|--|--|----------|-----------|--------|-------------------|---|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 10-22-04 | 1255 | 6MX-1-4.0 | | | | | | | | | | | | | | | | | | | | | | @ Arsenic, Barium, Cadmium, Copper, Lead, zinc 2" by 6" PVC Liner |
| <i>JAS</i> | | | | | | | | | | | | | | | | | | | | | | | | |

Laboratory: STL-SF

Turnaround Time: Standard

Results to: Jennifer Patterson

Total No. of Containers: 1/6

Relinquished by (Signature):
Charles Dowman
Printed Name: Charles Dowman
Company: Spore Fix
Received by:
Printed Name:
Company:

Date: 10/21/04
Time: 1435
Relinquished by (Signature):
Printed Name:
Company:

Date: 10/22/04
Time: 1600
Relinquished by (Signature):
Denise Harrington
Printed Name: D Harrington
Company: STL-SF

Date: 10/22/04
Time: 1600
Method of Shipment: Courier
Laboratory Comments and Log No.:
4-C
Geomatrix Consultants
2101 Webster Street, 12th Floor - Oakland, CA 94612
Phone: 510-663-4100 • Fax: 510-663-4141

Geomatrix Consultants

November 10, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 11/05/2004 17:15

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

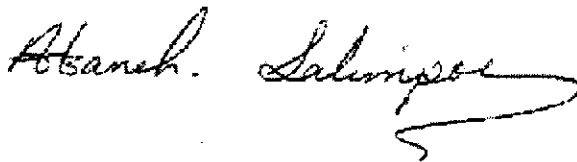
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 12/20/2004 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

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Geomatrix Consultants

November 10, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Case Narrative

General and Sample Comments.

We (STL San Francisco) received 11 Soil samples , on Friday, November 05, 2004 5:15 PM.

Analysis Comments and Flags by QC Batch

| MISC metals - No Hg | Soil | QC Batch#: 2004/11/08-04.15 |
|---|------|-----------------------------|
| EB-5 0-0.5 >> MS Compound Flag(s) M5 | | 2004/11/08-04.15-017 |
| MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS). | | |
| EB-5 0-0.5 >> MSD Compound Flag(s) M5 | | 2004/11/08-04.15-018 |
| MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS). | | |

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Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/05/2004 17:15

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|--------------|------------------|--------|-------|
| GMX-10-BTM | 11/04/2004 11:42 | Soil | 1 |
| GMX-10-EAST | 11/04/2004 11:45 | Soil | 2 |
| GMX-10-SOUTH | 11/04/2004 11:50 | Soil | 3 |
| GMX-10-WEST | 11/04/2004 11:53 | Soil | 4 |
| GMX-10-NORTH | 11/04/2004 11:57 | Soil | 5 |
| S-3-BTM | 11/04/2004 13:14 | Soil | 6 |
| S-3-WEST | 11/04/2004 13:18 | Soil | 7 |
| S-2-BTM | 11/04/2004 14:46 | Soil | 8 |
| S-1-BTM | 11/04/2004 15:27 | Soil | 9 |
| GMX-1-BTM | 11/04/2004 16:01 | Soil | 10 |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/10/2004 06:38

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/05/2004 17:15

| | |
|-------------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-10-EAST | Lab ID: 2004-11-0219 - 2 |
| Sampled: 11/04/2004 11:45 | Extracted: 11/8/2004 13:08 |
| Matrix: Soil | QC Batch#: 2004/11/08-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 5.0 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:53 | |
| Barium | 79 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:53 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 11/09/2004 07:53 | |
| Copper | 26 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:53 | |
| Lead | 42 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:53 | |
| Zinc | 110 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:53 | |

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Project: 3095.007

Received: 11/05/2004 17:15

| | |
|--------------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-10-SOUTH | Lab ID: 2004-11-0219 - 3 |
| Sampled: 11/04/2004 11:50 | Extracted: 11/8/2004 13:08 |
| Matrix: Soil | QC Batch#: 2004/11/08-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 12 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:56 | |
| Barium | 230 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:56 | |
| Cadmium | 1.3 | 0.50 | mg/Kg | 1.00 | 11/09/2004 07:56 | |
| Copper | 49 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:56 | |
| Lead | 110 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:56 | |
| Zinc | 210 | 1.0 | mg/Kg | 1.00 | 11/09/2004 07:56 | |

Metals

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Project: 3095.007

Received: 11/05/2004 17:15

| | |
|-------------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-10-WEST | Lab ID: 2004-11-0219 - 4 |
| Sampled: 11/04/2004 11:53 | Extracted: 11/8/2004 13:08 |
| Matrix: Soil | QC Batch#: 2004/11/08-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 14 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:00 | |
| Barium | 340 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:00 | |
| Cadmium | 3.4 | 0.50 | mg/Kg | 1.00 | 11/09/2004 08:00 | |
| Copper | 140 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:00 | |
| Lead | 430 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:00 | |
| Zinc | 480 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:00 | |

Metals

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Project: 3095.007

Received: 11/05/2004 17:15

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: S-3-BTM | Lab ID: 2004-11-0219 - 6 |
| Sampled: 11/04/2004 13:14 | Extracted: 11/8/2004 13:08 |
| Matrix: Soil | QC Batch#: 2004/11/08-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 38 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:07 | |
| Barium | 420 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:07 | |
| Cadmium | 1.5 | 0.50 | mg/Kg | 1.00 | 11/09/2004 08:07 | |
| Copper | 240 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:07 | |
| Lead | 42 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:07 | |
| Zinc | 810 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:07 | |

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Project: 3095.007

Received: 11/05/2004 17:15

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: S-1-BTM | Lab ID: 2004-11-0219 - 9 |
| Sampled: 11/04/2004 15:27 | Extracted: 11/8/2004 13:08 |
| Matrix: Soil | QC Batch#: 2004/11/08-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 6.1 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:30 | |
| Barium | 160 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:30 | |
| Cadmium | 0.64 | 0.50 | mg/Kg | 1.00 | 11/09/2004 08:30 | |
| Copper | 40 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:30 | |
| Lead | 20 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:30 | |
| Zinc | 110 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:30 | |

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Project: 3095.007

Received: 11/05/2004 17:15

| | |
|-----------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-1-BTM | Lab ID: 2004-11-0219 - 10 |
| Sampled: 11/04/2004 16:01 | Extracted: 11/8/2004 13:08 |
| Matrix: Soil | QC Batch#: 2004/11/08-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|------|-------|----------|------------------|------|
| Arsenic | 2.4 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:34 | |
| Barium | 180 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:34 | |
| Cadmium | ND | 0.50 | mg/Kg | 1.00 | 11/09/2004 08:34 | |
| Copper | 19 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:34 | |
| Lead | 5.3 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:34 | |
| Zinc | 40 | 1.0 | mg/Kg | 1.00 | 11/09/2004 08:34 | |

Metals

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Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 3050B
Method Blank

Soil

Test(s): 6010B
QC Batch # 2004/11/08-04.15

MB: 2004/11/08-04.15-013

Date Extracted: 11/08/2004 13:08

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|------|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 11/09/2004 06:40 | |
| Barium | ND | 1.0 | mg/Kg | 11/09/2004 06:40 | |
| Cadmium | ND | 0.50 | mg/Kg | 11/09/2004 06:40 | |
| Copper | ND | 1.0 | mg/Kg | 11/09/2004 06:40 | |
| Lead | ND | 1.0 | mg/Kg | 11/09/2004 06:40 | |
| Zinc | ND | 1.0 | mg/Kg | 11/09/2004 06:40 | |

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Metals

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Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/11/08-04.15

LCS 2004/11/08-04.15-014

Extracted: 11/08/2004

Analyzed: 11/09/2004 06:45

LCSD 2004/11/08-04.15-015

Extracted: 11/08/2004

Analyzed: 11/09/2004 06:49

| Compound | Conc. mg/Kg | | Exp. Conc. | Recovery % | | RPD | Ctrl. Limits % | | Flags | |
|----------|-------------|------|------------|------------|-------|-----|----------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 102 | 106 | 100.0 | 102.0 | 106.0 | 3.8 | 80-120 | 20 | | |
| Barium | 105 | 108 | 100.0 | 105.0 | 108.0 | 2.8 | 80-120 | 20 | | |
| Cadmium | 96.3 | 98.7 | 100.0 | 96.3 | 98.7 | 2.5 | 80-120 | 20 | | |
| Copper | 103 | 106 | 100.0 | 103.0 | 106.0 | 2.9 | 80-120 | 20 | | |
| Lead | 95.8 | 101 | 100.0 | 95.8 | 101.0 | 5.3 | 80-120 | 20 | | |
| Zinc | 92.6 | 95.0 | 100.0 | 92.6 | 95.0 | 2.6 | 80-120 | 20 | | |

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Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/11/08-04.15

MS/MSD

Lab ID: 2004-11-0168 - 001

MS: 2004/11/08-04.15-017

Extracted: 11/08/2004

Analyzed: 11/09/2004 06:57

Dilution: 1.00

MSD: 2004/11/08-04.15-018

Extracted: 11/08/2004

Analyzed: 11/09/2004 07:01

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 | 90.3 | 88.5 | 8.86 | 99.0 | 82.3 | 83.7 | 1.7 | 75-125 | 20 | | |
| Barium | 215 | 209 | 135 | 99.0 | 80.8 | 77.7 | 3.9 | 75-125 | 20 | | |
| Cadmium | 75.4 | 73.8 | 1.17 | 99.0 | 75.0 | 76.3 | 1.7 | 75-125 | 20 | | |
| Copper | 126 | 125 | 42.7 | 99.0 | 84.1 | 86.4 | 2.7 | 75-125 | 20 | | |
| Lead | 107 | 103 | 39.8 | 99.0 | 67.9 | 66.4 | 2.2 | 75-125 | 20 | M5 | M5 |
| Zinc | 137 | 135 | 74.2 | 99.0 | 63.4 | 63.9 | 0.8 | 75-125 | 20 | M5 | M5 |

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Metals

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Project: 3095.007

Received: 11/05/2004 17:15

Legend and Notes

Analysis Flag

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

CAM 17 Metals

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Project: 3095.007

Received: 11/05/2004 17:15

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| IDW-110404 | 11/04/2004 16:20 | Soil | 11 |

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11/09/2004 19:33

CAM 17 Metals

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

Project: 3095.007

Received: 11/05/2004 17:15

| | | | |
|------------|-------------------|------------|--------------------------------------|
| Prep(s): | 3050B 7471A | Test(s): | 6010B 7471A |
| Sample ID: | IDW-110404 | Lab ID: | 2004-11-0219 - 11 |
| Sampled: | 11/04/2004 16:20 | Extracted: | 11/8/2004 14:22 11/9/2004 06:01 |
| Matrix: | Soil | QC Batch#: | 2004/11/08-05.15 2004/11/09-02.16 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|------------|-------|-------|-------|----------|------------------|------|
| Antimony | ND | 2.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Arsenic | 5.0 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Barium | 91 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Beryllium | ND | 0.50 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Cadmium | 0.51 | 0.50 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Chromium | 35 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Cobalt | 6.5 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Copper | 34 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Lead | 61 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Molybdenum | ND | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Nickel | 32 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Selenium | ND | 2.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Silver | ND | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Thallium | ND | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Vanadium | 30 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Zinc | 110 | 1.0 | mg/Kg | 1.00 | 11/09/2004 10:31 | |
| Mercury | 0.66 | 0.050 | mg/Kg | 1.00 | 11/09/2004 09:18 | |

CAM 17 Metals

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Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 3050B
Method Blank

Soil

Test(s): 6010B
QC Batch # 2004/11/08-05.15

MB: 2004/11/08-05.15-041

Date Extracted: 11/08/2004 14:22

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|------------|-------|------|-------|------------------|------|
| Antimony | ND | 2.0 | mg/Kg | 11/09/2004 09:29 | |
| Arsenic | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Barium | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Beryllium | ND | 0.50 | mg/Kg | 11/09/2004 09:29 | |
| Cadmium | ND | 0.50 | mg/Kg | 11/09/2004 09:29 | |
| Chromium | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Cobalt | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Copper | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Lead | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Molybdenum | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Nickel | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Selenium | ND | 2.0 | mg/Kg | 11/09/2004 09:29 | |
| Silver | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Thallium | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Vanadium | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |
| Zinc | ND | 1.0 | mg/Kg | 11/09/2004 09:29 | |

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11/09/2004 19:33

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CAM 17 Metals

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

Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Method Blank

Soil

QC Batch # 2004/11/09-02.16

MB: 2004/11/09-02.16-011

Date Extracted: 11/09/2004 06:01

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-------|-------|------------------|------|
| Mercury | ND | 0.050 | mg/Kg | 11/09/2004 08:59 | |

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CAM 17 Metals

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Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/11/08-05.15

LCS 2004/11/08-05.15-042

Extracted: 11/08/2004

Analyzed: 11/09/2004 09:34

LCSD 2004/11/08-05.15-043

Extracted: 11/08/2004

Analyzed: 11/09/2004 09:38

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|------------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Antimony | 98.8 | 98.4 | 100.0 | 98.8 | 98.4 | 0.4 | 80-120 | 20 | | |
| Arsenic | 103 | 101 | 100.0 | 103.0 | 101.0 | 2.0 | 80-120 | 20 | | |
| Barium | 101 | 98.0 | 100.0 | 101.0 | 98.0 | 3.0 | 80-120 | 20 | | |
| Beryllium | 100 | 97.0 | 100.0 | 100.0 | 97.0 | 3.0 | 80-120 | 20 | | |
| Cadmium | 97.0 | 93.8 | 100.0 | 97.0 | 93.8 | 3.4 | 80-120 | 20 | | |
| Chromium | 95.9 | 92.6 | 100.0 | 95.9 | 92.6 | 3.5 | 80-120 | 20 | | |
| Cobalt | 99.7 | 96.5 | 100.0 | 99.7 | 96.5 | 3.3 | 80-120 | 20 | | |
| Copper | 103 | 99.5 | 100.0 | 103.0 | 99.5 | 3.5 | 80-120 | 20 | | |
| Lead | 99.2 | 97.9 | 100.0 | 99.2 | 97.9 | 1.3 | 80-120 | 20 | | |
| Molybdenum | 102 | 94.9 | 100.0 | 102.0 | 94.9 | 7.2 | 80-120 | 20 | | |
| Nickel | 98.6 | 95.3 | 100.0 | 98.6 | 95.3 | 3.4 | 80-120 | 20 | | |
| Selenium | 93.1 | 91.4 | 100.0 | 93.1 | 91.4 | 1.8 | 80-120 | 20 | | |
| Silver | 96.9 | 93.8 | 100.0 | 96.9 | 93.8 | 3.3 | 80-120 | 20 | | |
| Thallium | 94.3 | 92.4 | 100.0 | 94.3 | 92.4 | 2.0 | 80-120 | 20 | | |
| Vanadium | 104 | 100 | 100.0 | 104.0 | 100.0 | 3.9 | 80-120 | 20 | | |
| Zinc | 97.7 | 94.7 | 100.0 | 97.7 | 94.7 | 3.1 | 80-120 | 20 | | |

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CAM 17 Metals

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

Project: 3095.007

Received: 11/05/2004 17:15

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike

Soil

QC Batch # 2004/11/09-02.16

LCS 2004/11/09-02.16-012

Extracted: 11/09/2004

Analyzed: 11/09/2004 09:00

LCSD 2004/11/09-02.16-013

Extracted: 11/09/2004

Analyzed: 11/09/2004 09:01

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | | Flags | |
|----------|-------------|-------|-----------|------------|------|-----|---------------|------|-----|-------|------|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS | LCSD |
| Mercury | 0.489 | 0.490 | 0.500 | 97.8 | 98.0 | 0.2 | 85-115 | 20 | | | |

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11/09/2004 19:33

Chain-of Custody Record

Date: 11/4/04 Page 1 of 1

Project No.: 3095-C07

ANALYSES


REMARKS

Samplers (Signature):
Sarah Mearon

Additional Comments
2004-11-0219

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | As, Pb, Cd, Cr, Cu, Zn | CAM 17 Metals | Soil (S), Water (W) Vapor (V), or Other (a) | Filtered | Preserved | Cooled | No. of Containers | REMARKS |
|---------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|------------------------|---------------|---|----------|-----------|--------|-------------------|--|
| | | | | | | | | | | | | | | | | | | | | |
| 11/4/04 | 1142 | GMX-10-BTM | | | | | | | | | | | | | S | | | X | 1 | 6"x2" brass sleeve |
| | 1145 | GMX-10-EAST | | | | | | | | | | | | | S | | | X | 1 | |
| | 1150 | GMX-10-SOUTH | | | | | | | | | | | | | S | | | X | 1 | |
| | 1153 | GMX-10-WEST | | | | | | | | | | | | | S | | | X | 1 | |
| | 1157 | GMX-10-NORTH | | | | | | | | | | | | | S | | | X | 1 | |
| | 1314 | S-3-BTM | | | | | | | | | | | | | S | | | X | 1 | |
| | 1318 | S-3-WEST | | | | | | | | | | | | | S | | | X | 1 | |
| | 1446 | S-2-BTM | | | | | | | | | | | | | S | | | X | 1 | |
| | 1527 | S-1-BTM | | | | | | | | | | | | | S | | | X | 1 | |
| | 1601 | GMX-1-BTM | | | | | | | | | | | | | S | | | X | 1 | |
| ↓ | 1620 | IDW-110404 | | | | | | | | | | | | X | S | | | X | 4 | COMPOSITE PRIOR TO ANALYSIS (IDW-110404) |

Laboratory: **STL San Francisco** Turnaround Time: **Standard (5-day)** Results to: **Jennifer Patterson** Total No. of Containers: **14**

| | | | | | | |
|---|------------------|------------------------------|-------|---------------------------------------|------------------|--|
| Relinquished by (Signature): <i>Sarah Mearon</i> | Date: 11/4/04 | Relinquished by (Signature): | Date: | Relinquished by (Signature): | Date: | Method of Shipment: lab courier |
| Printed Name: Sarah Mearon | Time: 1715 | Printed Name: | Time: | Printed Name: | Time: | Laboratory Comments and Log No.: |
| Company: Geomatrix | | Company: | | Company: | | |
| Received by: | Date: | Received by: | Date: | Received by: <i>D. Harrington</i> | Date: 11/5/04 |  Geomatrix Consultants 2101 Webster Street, 12th Floor • Oakland, CA 94612 Phone: 510-663-4100 Fax: 510-663-4141 |
| Printed Name: | Time: | Printed Name: | Time: | Printed Name: <i>D. Harrington</i> | Time: 1715 | |
| Company: | | Company: | | Company: STL-SF | | |

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 11 - 0219

Checklist completed by: (initials) JW Date: 11/08/04

Courier name: STL San Francisco Client World Courier - Mike

Custody seals intact on shipping container/samples Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance ($4^{\circ}\text{C} \pm 2$)? Temp 2 $^{\circ}\text{C}$ Yes No

Potential reason for $> 6^{\circ}\text{C}$ - Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled $< 4\text{hr. ago}$? Ice not required (e.g. air or bulk sample) Ice Present Yes No

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~ O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

Geomatrix Consultants

November 18, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.006

Dear Ms. Patterson,

Attached is our report for your samples received on 10/22/2004 16:00

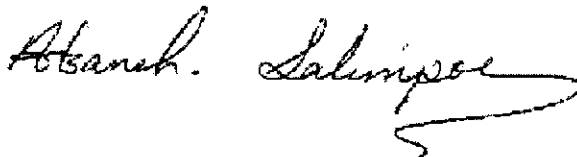
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/06/2004 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

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.006

Received: 10/22/2004 16:00

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| GMX-2-4.0 | 10/22/2004 12:00 | Soil | 1 |
| GMX-5-4.0 | 10/22/2004 11:07 | Soil | 2 |
| GMX-8-4.0 | 10/22/2004 09:38 | Soil | 3 |
| GMX-9-2.0 | 10/22/2004 09:05 | Soil | 4 |
| GMX-11-2.0 | 10/22/2004 09:20 | Soil | 5 |

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants
Attn.: Jennifer Patterson

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

Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3550B/8270C-SIM Test(s): 8270C-SIM
Sample ID: **GMX-2-4.0** Lab ID: 2004-11-0403 - 1
Sampled: 10/22/2004 12:00 Extracted: 11/13/2004 08:09
Matrix: Soil QC Batch#: 2004/11/13-01.40
Analysis Flag: HT (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|-------------------------|-------|--------|-------|----------|------------------|------|
| Naphthalene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Acenaphthylene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Acenaphthene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Fluorene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Phenanthrene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Anthracene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Fluoranthene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Pyrene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Benzo(a)anthracene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Chrysene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Benzo(b)fluoranthene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Benzo(k)fluoranthene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Benzo(a)pyrene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Indeno(1,2,3-c,d)pyrene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Dibenzo(a,h)anthracene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Benzo(g,h,i)perylene | ND | 5.0 | ug/Kg | 1.00 | 11/15/2004 18:35 | |
| Surrogate(s) | | | | | | |
| 2-Fluorobiphenyl | 73.4 | 30-115 | % | 1.00 | 11/15/2004 18:35 | |
| p-Terphenyl-d14 | 89.8 | 18-137 | % | 1.00 | 11/15/2004 18:35 | |

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3550B/8270C-SIM Test(s): 8270C-SIM
Sample ID: **GMX-5-4.0** Lab ID: 2004-11-0403 - 2
Sampled: 10/22/2004 11:07 Extracted: 11/13/2004 08:09
Matrix: Soil QC Batch#: 2004/11/13-01.40
Analysis Flag: HT (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|-------------------------|-------|--------|-------|----------|------------------|------|
| Naphthalene | ND | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Acenaphthylene | ND | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Acenaphthene | ND | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Fluorene | ND | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Phenanthrene | 220 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Anthracene | 28 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Fluoranthene | 320 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Pyrene | 240 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Benzo(a)anthracene | 120 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Chrysene | 160 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Benzo(b)fluoranthene | 95 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Benzo(k)fluoranthene | 90 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Benzo(a)pyrene | 74 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Indeno(1,2,3-c,d)pyrene | 100 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Dibenzo(a,h)anthracene | ND | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Benzo(g,h,i)perylene | 130 | 25 | ug/Kg | 5.00 | 11/16/2004 10:38 | |
| Surrogate(s) | | | | | | |
| 2-Fluorobiphenyl | 88.1 | 30-115 | % | 5.00 | 11/16/2004 10:38 | |
| p-Terphenyl-d14 | 87.4 | 18-137 | % | 5.00 | 11/16/2004 10:38 | |

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3550B/8270C-SIM Test(s): 8270C-SIM
Sample ID: **GMX-8-4.0** Lab ID: 2004-11-0403 - 3
Sampled: 10/22/2004 09:38 Extracted: 11/13/2004 08:09
Matrix: Soil QC Batch#: 2004/11/13-01.40
Analysis Flag: HT (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|-------------------------|-------|--------|-------|----------|------------------|------|
| Naphthalene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Acenaphthylene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Acenaphthene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Fluorene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Phenanthrene | 160 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Anthracene | 48 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Fluoranthene | 210 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Pyrene | 240 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Benzo(a)anthracene | 110 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Chrysene | 110 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Benzo(b)fluoranthene | 51 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Benzo(k)fluoranthene | 74 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Benzo(a)pyrene | 110 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Indeno(1,2,3-c,d)pyrene | 53 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Dibenzo(a,h)anthracene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Benzo(g,h,i)perylene | 58 | 25 | ug/Kg | 5.00 | 11/15/2004 19:58 | |
| Surrogate(s) | | | | | | |
| 2-Fluorobiphenyl | 82.1 | 30-115 | % | 5.00 | 11/15/2004 19:58 | |
| p-Terphenyl-d14 | 90.2 | 18-137 | % | 5.00 | 11/15/2004 19:58 | |

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3550B/8270C-SIM Test(s): 8270C-SIM
 Sample ID: **GMX-9-2.0** Lab ID: 2004-11-0403 - 4
 Sampled: 10/22/2004 09:05 Extracted: 11/13/2004 08:09
 Matrix: Soil QC Batch#: 2004/11/13-01.40
 Analysis Flag: HT,L1 (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|-------------------------|-------|--------|-------|----------|------------------|------|
| Naphthalene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Acenaphthylene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Acenaphthene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Fluorene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Phenanthrene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Anthracene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Fluoranthene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Pyrene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Benzo(a)anthracene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Chrysene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Benzo(b)fluoranthene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Benzo(k)fluoranthene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Benzo(a)pyrene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Indeno(1,2,3-c,d)pyrene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Dibenzo(a,h)anthracene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Benzo(g,h,i)perylene | ND | 130 | ug/Kg | 25.00 | 11/15/2004 21:21 | |
| Surrogate(s) | | | | | | |
| 2-Fluorobiphenyl | 80.5 | 30-115 | % | 25.00 | 11/15/2004 21:21 | |
| p-Terphenyl-d14 | 91.3 | 18-137 | % | 25.00 | 11/15/2004 21:21 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/18/2004 15:18

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.006

Received: 10/22/2004 16:00

Prep(s): 3550B/8270C-SIM Test(s): 8270C-SIM
Sample ID: **GMX-11-2.0** Lab ID: 2004-11-0403 - 5
Sampled: 10/22/2004 09:20 Extracted: 11/13/2004 08:09
Matrix: Soil QC Batch#: 2004/11/13-01.40
Analysis Flag: HT (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|-------------------------|-------|--------|-------|----------|------------------|------|
| Naphthalene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Acenaphthylene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Acenaphthene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Fluorene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Phenanthrene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Anthracene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Fluoranthene | 25 | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Pyrene | 31 | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Benzo(a)anthracene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Chrysene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Benzo(b)fluoranthene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Benzo(k)fluoranthene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Benzo(a)pyrene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Indeno(1,2,3-c,d)pyrene | 39 | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Dibenzo(a,h)anthracene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Benzo(g,h,i)perylene | ND | 25 | ug/Kg | 5.00 | 11/15/2004 20:26 | |
| Surrogate(s) | | | | | | |
| 2-Fluorobiphenyl | 98.0 | 30-115 | % | 5.00 | 11/15/2004 20:26 | |
| p-Terphenyl-d14 | 104.1 | 18-137 | % | 5.00 | 11/15/2004 20:26 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/18/2004 15:18

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3550B/8270C-SIM
Method Blank
MB: 2004/11/13-01.40-001

Soil

Test(s): 8270C-SIM
QC Batch # 2004/11/13-01.40
Date Extracted: 11/13/2004 08:09

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|-------------------------|-------|--------|-------|------------------|------|
| Naphthalene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Acenaphthylene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Acenaphthene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Fluorene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Phenanthrene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Anthracene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Fluoranthene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Pyrene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Benzo(a)anthracene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Chrysene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Benzo(b)fluoranthene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Benzo(k)fluoranthene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Benzo(a)pyrene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Indeno(1,2,3-c,d)pyrene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Dibenzo(a,h)anthracene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Benzo(g,h,i)perylene | ND | 5.0 | ug/Kg | 11/15/2004 17:11 | |
| Surrogates(s) | | | | | |
| 2-Fluorobiphenyl | 89.9 | 30-115 | % | 11/15/2004 17:11 | |
| p-Terphenyl-d14 | 100.0 | 18-137 | % | 11/15/2004 17:11 | |

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3550B/8270C-SIM

Test(s): 8270C-SIM

Laboratory Control Spike

Soil

QC Batch # 2004/11/13-01.40

LCS 2004/11/13-01.40-002

Extracted: 11/13/2004

Analyzed: 11/15/2004 17:39

LCSD 2004/11/13-01.40-003

Extracted: 11/13/2004

Analyzed: 11/15/2004 18:07

| Compound | Conc. ug/Kg | | Exp. Conc. | Recovery % | | RPD % | Ctrl. Limits % | | | Flags | |
|----------------------|-------------|------|------------|------------|------|-------|----------------|-----|-----|-------|--|
| | LCS | LCSD | | LCS | LCSD | | Rec. | RPD | LCS | LCSD | |
| Acenaphthene | 284 | 283 | 330 | 86.1 | 85.5 | 0.7 | 50-150 | 30 | | | |
| Phenanthrene | 283 | 275 | 330 | 85.8 | 83.1 | 3.2 | 50-150 | 30 | | | |
| Pyrene | 299 | 292 | 330 | 90.6 | 88.2 | 2.7 | 50-150 | 30 | | | |
| Chrysene | 308 | 299 | 330 | 93.3 | 90.3 | 3.3 | 50-150 | 30 | | | |
| Benzo(a)pyrene | 272 | 272 | 330 | 82.4 | 82.2 | 0.2 | 50-150 | 30 | | | |
| Surrogates(s) | | | | | | | | | | | |
| 2-Fluorobiphenyl | 8.65 | 8.65 | 10 | 86.5 | 86.5 | | 30-115 | | | | |
| p-Terphenyl-d14 | 10.1 | 9.80 | 10 | 101.0 | 98.0 | | 18-137 | | | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/18/2004 15:18

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.006

Received: 10/22/2004 16:00

Batch QC Report

Prep(s): 3550B/8270C-SIM

Test(s): 8270C-SIM

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/11/13-01.40

GMX-2-4.0 >> MS

Lab ID: 2004-11-0403 - 001

MS: 2004/11/13-01.40-005

Extracted: 11/13/2004

Analyzed: 11/15/2004 19:02

Dilution: 1.00

MSD: 2004/11/13-01.40-006

Extracted: 11/13/2004

Analyzed: 11/15/2004 19:30

Dilution: 1.00

| Compound | Conc. ug/Kg | | Spk.Level | Recovery % | | | Limits % | | Flags | | |
|---------------------|-------------|------|-----------|------------|-------|------|----------|--------|-------|-----|----|
| | MS | MSD | | Sample | ug/Kg | MS | MSD | RPD | Rec. | RPD | MS |
| Acenaphthene | 182 | 199 | ND | 332 | 54.8 | 60.1 | 9.2 | 50-150 | 30 | | |
| Phenanthrene | 201 | 206 | ND | 332 | 60.5 | 62.2 | 2.8 | 50-150 | 30 | | |
| Pyrene | 205 | 209 | ND | 332 | 61.7 | 63.1 | 2.2 | 50-150 | 30 | | |
| Chrysene | 211 | 203 | ND | 332 | 63.6 | 61.3 | 3.7 | 50-150 | 30 | | |
| Benzo(a)pyrene | 162 | 163 | ND | 332 | 48.8 | 49.2 | 0.8 | 50-150 | 30 | M5 | M5 |
| Surrogate(s) | | | | | | | | | | | |
| 2-Fluorobiphenyl | 5.47 | 6.14 | | 10 | 54.7 | 61.4 | | 30-115 | | | |
| p-Terphenyl-d14 | 6.87 | 6.87 | | 10 | 68.7 | 68.7 | | 18-137 | | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/18/2004 15:18

PNA analysis by 8270C/SIM GC/MS

Geomatrix Consultants
Attn.: Jennifer Patterson

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

Project: 3095.006

Received: 10/22/2004 16:00

Legend and Notes

Analysis Flag

HT

Extracted out of holding time

L1

Reporting limits raised due to high level of non-target analyte materials.

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

STL San Francisco
ADD ON/CHANGE
ORDER

New Submission No.: _____

Reference No.: 95606

ORIGINAL SUBMISSION INFORMATION

Client Name: Geomatrix

Project Mgr.: Jennifer Patterson

Project Name: _____

Project No.: 3095.006

PO#: _____

Date Received: 10/22/04 @ 16:06

Submission No.: 2004-10-0746

Name of Caller: Jennifer Patterson

Call Date: 11/11/04

Add on Due Date: 11/18/04

Bill To: Geomatrix

Attn.: Accts Payable

Comments: 9TD 5 DAYS

| | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | NUMBER OF CONTAINERS | | | | | | | | |
|------------|-------|-------|------------|-----------------|---|--|---|---|--|---|--|--|--|--|-------------------------------------|---|---|--|----------------------|--|--|---|--|--|--|--|--|
| Sample ID | Date | Time | Mat rix | Prev. Spl. # | TPH EPA - <input type="checkbox"/> 80158021 <input type="checkbox"/> 82608 <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE | Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8027 <input type="checkbox"/> 82608 | TEPH (EPA 8015M) <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other _____ | Fuel Tests EPA 82608: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, ED8 <input type="checkbox"/> Ethanol | Purgeable Halocarbons (HVOCS) EPA 8021 by 82608 | Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 82606 <input type="checkbox"/> 624 | Sulfonamides GC/MS EPA 8270 <input type="checkbox"/> 625 <u>GC/MS</u> | Oil & Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total | <input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608 | PNAAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310 | CAM 17 Metals (EPA 601074707471) | Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____ | Low Level Metals by EPA 200.9/6020 (ICP-MS): | <input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> TCLP | | Hexavalent Chromium pH (24h hold time for H ₂ O) | Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS | 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 | | | | | |
| GMX-2-4.0 | 10-22 | 12:00 | S | 13 | | | | | | | X | | | | | | | | | | | | | | | | |
| GMX-5-4.0 | | 11:09 | S | 10 | | | | | | | X | | | | | | | | | | | | | | | | |
| GMX-8-4.0 | | 09:38 | S | 7 | | | | | | | X | | | | | | | | | | | | | | | | |
| GMX-9-2.0 | | 09:05 | S | 1 | | | | | | | X | | | | | | | | | | | | | | | | |
| GMX-11-2.0 | | 09:20 | S | 5 | | | | | | | X | | | | | | | | | | | | | | | | |

Salimpour, Afsaneh

From: Jennifer Patterson [JPatterson@geomatrix.com]
Sent: Thursday, November 11, 2004 10:57 AM
To: Salimpour, Afsaneh
Subject: Request for additional analyses

Afsaneh-

I'd like to request additional analyses on the samples from Submission 2004-10-0746. Please analyze the following samples for PAHs using EPA Method 8270 SIM on a standard turnaround time:

- GMX-2-4.0
- GMX-5-4.0
- GMX-8-4.0
- GMX-9-2.0
- GMX-11-2.0

Please call me if you have any questions. Thanks,

Jennifer L. Patterson, P.E.
Senior Engineer
Geomatrix Consultants, Inc.
Phone: (510) 663-4167
Fax: (510) 663-4141
visit our website: www.geomatrix.com

The materials transmitted by this electronic mail are confidential, are only for the use of the intended recipient, and may also be subject to applicable privileges. Any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify the sender. Please also remove this message from your hard drive, diskette, and any other storage device.

2004-11-1002

Geomatrix Consultants

November 23, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 11/22/2004 11:31

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

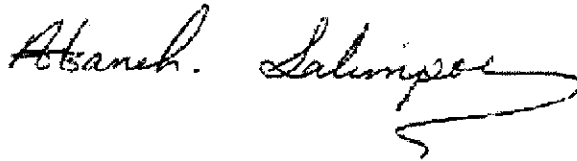
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 01/06/2005 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

Geomatrix Consultants

November 23, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Case Narrative

General and Sample Comments

We (STL San Francisco) received 3 Soil samples , on Monday, November 22,
2004 11:31 AM.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

2004-11-0676

95921

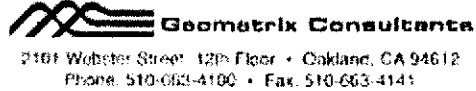
Chain-of-Custody Record

004126

Date: 11/23/04

Page 1 of 1

| Project No. 3075.007 | | | ANALYSES | | | | | | | | | | | | REMARKS | | | | | |
|--|------|-----------------------|-------------------------------------|---------------------------------|-----------------------------|--------------------------------------|-----------------------------|---------------------------------|-------------------------------------|---------------------|-----------------------|-------------------|---------|------|--|----------|-----------|--------|-------------------|----------------------|
| Samplers (Signature): <i>Charles Downey</i> | | | EPA Method 8081 (Pb; Scan) | EPA Method 8027 (As; VOCS only) | EPA Method 8220 (BTEX only) | EPA Method 8261 | EPA Method 8030 (U of Scan) | EPA Method 8270 SIM (PAHS only) | Method 8315M (Cadmium) | Method 8315M (Lead) | Method 8315M (Mercur) | Sulfa Gel Cleanup | ARSENIC | LEAD | Soil (Sl. Water/W. Vapor - V) or Other (C) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments |
| 11/23/04 | 0858 | GMX-10-N-2 | | | | | | | | | | | X | X | S | N | N | Y | 1 | 6" x 2" brass sleeve |
| 11/23/04 | 0917 | GMX-10-W-2 | | | | | | | | | | | X | X | S | N | N | Y | 1 | |
| 11/23/04 | 0942 | S-3-B-2 | | | | | | | | | | | X | | S | N | N | Y | 1 | ↓ |
| RUSH | | | | | | | | | | | | | | | | | | | | |
| Laboratory: <i>STL - San Francisco</i> | | | Turnaround Time: <i>24 hr. Int.</i> | | | Results to: <i>Jennifer Paterson</i> | | | Total No. of Containers: <i>3</i> | | | | | | | | | | | |
| Relinquished by (Signature): <i>Charles Downey</i> | | Date: <i>11/23/04</i> | Relinquished by (Signature): | | Date: | Relinquished by (Signature): | | Date: | Method of Shipment: <i>Drop-off</i> | | | | | | | | | | | |
| Printed Name: <i>Charles Downey</i> | | Time: | Printed Name: | | Time: | Printed Name: | | Time: | Laboratory Comments and Log No.: | | | | | | | | | | | |
| Company: <i>Geometric</i> | | <i>11/31</i> | Company: | | | Company: | | | | | | | | | | | | | | |
| Received by: <i>Jenny Bullock</i> | | Date: <i>11/23/04</i> | Received by: | | Date: | Received by: | | Date: | | | | | | | | | | | | |
| Printed Name: <i>Jenny Bullock</i> | | Time: | Printed Name: | | Time: | Printed Name: | | Time: | | | | | | | | | | | | |
| Company: <i>STL-SF</i> | | <i>11:31</i> | Company: | | | Company: | | | | | | | | | | | | | | |



Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/22/2004 11:31

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| GMX-10-N-2 | 11/22/2004 08:58 | Soil | 1 |
| GMX-10-W-2 | 11/22/2004 09:17 | Soil | 2 |
| S-3-B-2 | 11/22/2004 09:42 | Soil | 3 |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
 Oakland, CA 94612
 Phone: (510) 663-4100 Fax: (510) 663-4141
 Project: 3095.007

Received: 11/22/2004 11:31

| | |
|------------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-10-N-2 | Lab ID: 2004-11-0676 - 1 |
| Sampled: 11/22/2004 08:58 | Extracted: 11/22/2004 07:39 |
| Matrix: Soil | QC Batch#: 2004/11/22-05.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 26 | 1.0 | mg/Kg | 1.00 | 11/22/2004 18:17 | |
| Lead | 350 | 1.0 | mg/Kg | 1.00 | 11/22/2004 18:17 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/22/2004 11:31

| | |
|------------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: GMX-10-W-2 | Lab ID: 2004-11-0676 - 2 |
| Sampled: 11/22/2004 09:17 | Extracted: 11/22/2004 07:39 |
| Matrix: Soil | QC Batch#: 2004/11/22-05.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.7 | 1.0 | mg/Kg | 1.00 | 11/22/2004 18:22 | |
| Lead | 56 | 1.0 | mg/Kg | 1.00 | 11/22/2004 18:22 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/22/2004 11:31

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: S-3-B-2 | Lab ID: 2004-11-0676 - 3 |
| Sampled: 11/22/2004 09:42 | Extracted: 11/22/2004 07:39 |
| Matrix: Soil | QC Batch#: 2004/11/22-05.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 66 | 1.0 | mg/Kg | 1.00 | 11/22/2004 18:27 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/22/2004 11:31

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2004/11/22-05.15

MB: 2004/11/22-05.15-005

Date Extracted: 11/22/2004 07:39

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-----|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 11/22/2004 17:59 | |
| Lead | ND | 1.0 | mg/Kg | 11/22/2004 17:59 | |

Severn Trent Laboratories, Inc.

11/23/2004 10:15

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/22/2004 11:31

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/11/22-05.15

LCS 2004/11/22-05.15-006

Extracted: 11/22/2004

Analyzed: 11/22/2004 18:05

LCSD 2004/11/22-05.15-007

Extracted: 11/22/2004

Analyzed: 11/22/2004 18:11

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 105 | 104 | 100.0 | 105.0 | 104.0 | 1.0 | 80-120 | 20 | | |
| Lead | 103 | 101 | 100.0 | 103.0 | 101.0 | 2.0 | 80-120 | 20 | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/23/2004 10:15

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/22/2004 11:31

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/11/22-05.15

MS/MSD

Lab ID: 2004-11-0659 - 001

MS: 2004/11/22-05.15-012

Extracted: 11/22/2004

Analyzed: 11/22/2004 18:38

Dilution: 1.00

MSD: 2004/11/22-05.15-013

Extracted: 11/22/2004

Analyzed: 11/22/2004 18:43

Dilution: 1.00

| Compound | Conc. mg/Kg | | | Spk.Level | Recovery % | | | Limits % | | Flags | |
|----------|-------------|------|--------|-----------|------------|------|-----|----------|------|-------|----|
| | MS | MSD | Sample | | mg/Kg | MS | MSD | RPD | Rec. | RPD | MS |
| Arsenic | 91.1 | 90.0 | 4.94 | 100.0 | 86.2 | 85.9 | 0.3 | 75-125 | 20 | | |
| Lead | 84.7 | 83.3 | 5.66 | 100.0 | 79.0 | 78.4 | 0.8 | 75-125 | 20 | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/23/2004 10:15

2004-11-0676


95921

Chain-of-Custody Record

004126

Date: 11/22/04

Page 1 of 1

| Project No.: 3095.007 | | | ANALYSES | | | | | | | | | | | | | REMARKS | | | | | |
|---|------|---------------|--|----------------------------------|-----------------------------|---------------------------------------|-----------------------------|---------------------------------|-----------------------------------|-----------------------|--------------------------|------------------------------|---------|------|---|----------|-----------|---|-------------------|----------------------|--|
| Samplers (Signature): <i>Charles Downman</i> | | | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BETX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015M (Gasoline) | Method 8015M (Diesel) | Method 8015M (Motor Oil) | Silica Gel Cleanup | ARSENIC | LEAD | Soil (S), Water (W) Vapor (V), or Other (O) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments | |
| Date | Time | Sample Number | | | | | | | | | | | | | | | | | | | |
| 11/22/04 | 0858 | GMX-10-N-2 | | | | | | | | | | | X | X | S | N | N | Y | 1 | 6" x 2" brass sleeve | |
| 11/22/04 | 0917 | GMX-10-W-2 | | | | | | | | | | | X | X | S | N | N | Y | 1 | | |
| 11/22/04 | 0942 | S-3-B-2 | | | | | | | | | | | X | | S | N | N | Y | 1 | ↓ | |
| RUSH | | | | | | | | | | | | | | | | | | | | | |
| Laboratory: <i>STL - San Francisco</i> | | | Turnaround Time: <i>24 hr for Middy 11/23/04</i> | | | Results to: <i>Jennifer Patterson</i> | | | Total No. of Containers: <i>3</i> | | | | | | | | | | | | |
| Relinquished by (Signature): <i>Charles Downman</i> | | | Date: <i>11/22/04</i> | | | Relinquished by (Signature): | | | Date: | | | Relinquished by (Signature): | | | Date: | | | Method of Shipment: <i>Drop-off</i> | | | |
| Printed Name: <i>Charles Downman</i> | | | Time: <i>11:31</i> | | | Printed Name: | | | Time: | | | Printed Name: | | | Time: | | | Laboratory Comments and Log No.: | | | |
| Company: <i>Geomatrix</i> | | | | | | Company: | | | | | | Company: | | | | | | | | | |
| Received by: <i>Jenny Bulbeck</i> | | | Date: <i>11/22/04</i> | | | Received by: | | | Date: | | | Received by: | | | Date: | | |  Geomatrix Consultants 2101 Webster Street, 12th Floor • Oakland, CA 94612 Phone: 510-663-4100 • Fax: 510-663-4141 | | | |
| Printed Name: <i>Jenny Bulbeck</i> | | | Time: <i>11:31</i> | | | Printed Name: | | | Time: | | | Printed Name: | | | Time: | | | | | | |
| Company: <i>STL-ST</i> | | | | | | Company: | | | | | | Company: | | | | | | | | | |

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 11 - 0674

Checklist completed by: (initials) JM Date: 11/22/04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples Yes ___ No ___ Not Present

Chain of custody present? Yes No ___

Chain of custody signed when relinquished and received? Yes No ___

Chain of custody agrees with sample labels? Yes No ___

Samples in proper container/bottle? Yes No ___

Sample containers intact? Yes No ___

Sufficient sample volume for indicated test? Yes ___ No

All samples received within holding time? Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)? Temp: 2 C Yes No ___

Potential reason for $> 6^{\circ}C$ - Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled < 4 hr. ago? Ice not required (e.g. air or bulk sample) Ice Present Yes No ___

Water - VOA vials have zero headspace? No VOA vials submitted Yes ___ No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc -Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: _____ / _____ /04 Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

Geomatrix Consultants

November 24, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 11/23/2004 17:00
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

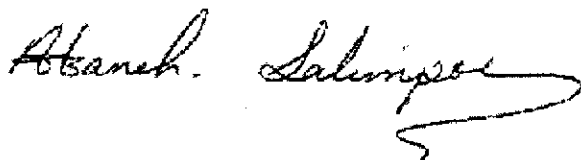
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
01/07/2005 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

Geomatrix Consultants

November 24, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Case Narrative

General and Sample Comments

We (STL San Francisco) received 1 Soil samples , on Tuesday, November 23, 2004 5:00 PM.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/23/2004 17:00

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| S-3-B-3 | 11/23/2004 12:52 | Soil | 1 |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/24/2004 13:26

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/23/2004 17:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: S-3-B-3 | Lab ID: 2004-11-0724 - 1 |
| Sampled: 11/23/2004 12:52 | Extracted: 11/24/2004 05:09 |
| Matrix: Soil | QC Batch#: 2004/11/24-01.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 4.5 | 1.0 | mg/Kg | 1.00 | 11/24/2004 09:55 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/23/2004 17:00

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2004/11/24-01.15-043

Soil

Test(s): 6010B

QC Batch # 2004/11/24-01.15

Date Extracted: 11/24/2004 05:09

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-----|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 11/24/2004 09:13 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/24/2004 13:26

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/23/2004 17:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/11/24-01.15

LCS 2004/11/24-01.15-044

Extracted: 11/24/2004

Analyzed: 11/24/2004 09:18

LCSD 2004/11/24-01.15-047

Extracted: 11/24/2004

Analyzed: 11/24/2004 09:33

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 107 | 105 | 100.0 | 107.0 | 105.0 | 1.9 | 80-120 | 20 | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/24/2004 13:26

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/23/2004 17:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/11/24-01.15

MS/MSD

Lab ID: 2004-11-0712 - 001

MS: 2004/11/24-01.15-049

Extracted: 11/24/2004

Analyzed: 11/24/2004 09:41

Dilution: 1.00

MSD: 2004/11/24-01.15-050

Extracted: 11/24/2004

Analyzed: 11/24/2004 09:44

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 | 98.7 | 93.7 | 8.24 | 98.0 | 92.3 | 86.3 | 6.7 | 75-125 | 20 | | |

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/24/2004 13:26

Chain-of-Custody Record

004128

Date: 11/23/04

Page 1 of 1

Project No.: 3095.007

ANALYSES

REMARKS

Samplers (Signature): *CL*

Additional Comments

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015M (Gasoline) | Method 8015M (Diesel) | Method 8015M (Motor Oil) | Silica Gel Cleanup | Soil (S), Water (W) Vapor (V), or Other (O) | Filtered | Preserved | Cooled | No. of Containers | |
|----------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|---|----------|-----------|--------|-------------------|---|
| 11/23/04 | 1252 | S-3-B-3 | | | | | | | | | | | X | S | - | - | Y | 1 |

48hr Turn around
Time

2" x 6" brass sleeve

RUSH

Laboratory: STL SF

Turnaround Time: 48 hr TOT

Results to: James Patterson

Total No. of Containers: 1

Relinquished by (Signature): *CL*

Date: 11/23/04

Relinquished by (Signature): *CL*

Date: 11/23/04

Relinquished by (Signature):

Date:

Method of Shipment: Courier

Printed Name: Charles Dawson

Time: 1410

Printed Name: *M. Villanueva*

Time: 1700

Printed Name:

Time:

Laboratory Comments and Log No.: 4°C

Company: Geomatrix

Time: 1410

Company: STL SF

Company:

Time:

Received by: *M. Villanueva*

Date: 11/23/04

Received by: *M. Villanueva*

Date: 11/23/04

Received by:

Date:

Printed Name: *M. Villanueva*

Time: 1410

Printed Name: *M. Villanueva*

Time: 1700

Printed Name:

Time:

Company: Geomatrix

Time: 1410

Company: STL SF

Company:

Time:

Geomatrix Consultants
2101 Webster Street, 12th Floor • Oakland, CA 94612
Phone: 510-663-4100 • Fax: 510-663-4141

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 11 - 0724

Checklist completed by: (initials) JG Date: 11, 23 /04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples Yes ___ No ___ Not Present

Chain of custody present? Yes No ___

Chain of custody signed when relinquished and received? Yes No ___

Chain of custody agrees with sample labels? Yes ___ No

Samples in proper container/bottle? Yes ___ No ___

Sample containers intact? Yes ___ No ___

Sufficient sample volume for indicated test? Yes No ___

All samples received within holding time? Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)? Temp: 4 °C Yes No ___

Potential reason for $> 6^{\circ}C$ - Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled < 4 hr. ago? Ice not required (e.g. air or bulk sample) Ice Present Yes No ___

Water - VOA vials have zero headspace? No VOA vials submitted Yes ___ No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc -Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

Geomatrix Consultants

December 01, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 11/30/2004 18:00

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

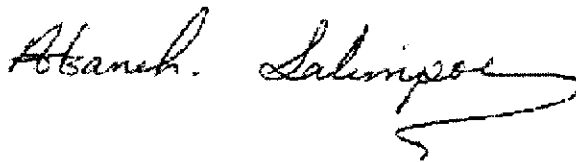
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 01/14/2005 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

Geomatrix Consultants

December 01, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Case Narrative

General and Sample Comments

We (STL San Francisco) received 8 Soil samples , on Tuesday, November 30, 2004 6:00 PM.

Analysis Comments and Flags by QC Batch

| MISC metals - No Hg | Soil | QC Batch#: 2004/12/01-01.15 |
|--|------|-----------------------------|
| DB-1B-2.0 >> MS Compound Flag(s) M5 MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS). | | 2004/12/01-01.15-060 |
| DB-1B-2.0 >> MSD Compound Flag(s) M5 MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS). | | 2004/12/01-01.15-061 |

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| DB-1B-2.0 | 11/30/2004 09:55 | Soil | 1 |
| DB-1B-4.0 | 11/30/2004 09:58 | Soil | 2 |
| DB-2B-2.0 | 11/30/2004 10:20 | Soil | 3 |
| DB-2B-4.0 | 11/30/2004 10:23 | Soil | 4 |
| DB-1A-2.0 | 11/30/2004 11:14 | Soil | 5 |
| DB-1A-4.0 | 11/30/2004 11:16 | Soil | 6 |
| DB-2A-2.0 | 11/30/2004 11:25 | Soil | 7 |
| DB-2A-4.0 | 11/30/2004 11:27 | Soil | 8 |

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/01/2004 14:36

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|--|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-1B-2.0 | Lab ID: 2004-11-0854 - 1 |
| Sampled: 11/30/2004 09:55 | Extracted: 12/1/2004 05:05 |
| Matrix: Soil | QC Batch#: 2004/12/01-01.15 |
| Analysis Flag: . (See Legend and Note Section) | |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 6.7 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:27 | |
| Lead | 46 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:27 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/01/2004 14:36

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-2B-4.0 | Lab ID: 2004-11-0854 - 4 |
| Sampled: 11/30/2004 10:23 | Extracted: 12/1/2004 05:05 |
| Matrix: Soil | QC Batch#: 2004/12/01-01.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 23 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:45 | |
| Lead | 640 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:45 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004 18:00

| | | | |
|------------|------------------|------------|------------------|
| Prep(s): | 3050B | Test(s): | 6010B |
| Sample ID: | DB-1A-4.0 | Lab ID: | 2004-11-0854 - 6 |
| Sampled: | 11/30/2004 11:16 | Extracted: | 12/1/2004 05:05 |
| Matrix: | Soil | QC Batch#: | 2004/12/01-01.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 11 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:52 | |
| Lead | 670 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:52 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004 18:00

| | |
|-----------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-2A-2.0 | Lab ID: 2004-11-0854 - 7 |
| Sampled: 11/30/2004 11:25 | Extracted: 12/1/2004 05:05 |
| Matrix: Soil | QC Batch#: 2004/12/01-01.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 6.6 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:55 | |
| Lead | 32 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:55 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-2A-4.0 | Lab ID: 2004-11-0854 - 8 |
| Sampled: 11/30/2004 11:27 | Extracted: 12/1/2004 05:05 |
| Matrix: Soil | QC Batch#: 2004/12/01-01.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.8 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:59 | |
| Lead | 130 | 1.0 | mg/Kg | 1.00 | 12/01/2004 12:59 | |

Severn Trent Laboratories, Inc.

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12/01/2004 14:36

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004 18:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2004/12/01-01.15

MB: 2004/12/01-01.15-052

Date Extracted: 12/01/2004 05:05

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-----|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 12/01/2004 10:20 | |
| Lead | ND | 1.0 | mg/Kg | 12/01/2004 10:20 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/01/2004 14:36

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/12/01-01.15

LCS 2004/12/01-01.15-053

Extracted: 12/01/2004

Analyzed: 12/01/2004 10:25

LCSD 2004/12/01-01.15-054

Extracted: 12/01/2004

Analyzed: 12/01/2004 10:29

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-----|-------|------|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS | LCSD |
| Arsenic | 109 | 106 | 100.0 | 109.0 | 106.0 | 2.8 | 80-120 | 20 | | | |
| Lead | 101 | 98.6 | 100.0 | 101.0 | 98.6 | 2.4 | 80-120 | 20 | | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/01/2004 14:36

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004 18:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/01-01.15

DB-1B-2.0 >> MS

Lab ID: 2004-11-0854 - 001

MS: 2004/12/01-01.15-060

Extracted: 12/01/2004

Analyzed: 12/01/2004 12:31

Dilution: 1.00

MSD: 2004/12/01-01.15-061

Extracted: 12/01/2004

Analyzed: 12/01/2004 12:34

Dilution: 1.00

| Compound | Conc. mg/Kg | | | Spk. Level | Recovery % | | | Limits % | | Flags | |
|----------|-------------|------|--------|------------|------------|------|-----|----------|------|-------|----|
| | MS | MSD | Sample | | mg/Kg | MS | MSD | RPD | Rec. | RPD | MS |
| Arsenic | 82.4 | 84.7 | 6.68 | 96.2 | 78.7 | 78.8 | 0.1 | 75-125 | 20 | | |
| Lead | 114 | 113 | 46.3 | 96.2 | 70.4 | 67.4 | 4.4 | 75-125 | 20 | M5 | M5 |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/01/2004 14:36

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

Legend and Notes

Analysis Flag

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.

See blank spike (LCS).

2004-11-0859

18812 96719

Chain-of Custody Record

Date: 11/30/04 Page 1 of 1

Project No.: 3095.007

ANALYSES

REMARKS

Samplers (Signature):
Sarah Mearon

Additional Comments

RUSH

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | As & Pb (CALAB) | Soil (S), Water (W), Vapor (V), or Other (o) | Filtered | Preserved | Cooled | No. of Containers |
|----------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|-----------------|--|----------|-----------|--------|-------------------|
| 11/30/04 | 0755 | DB-1B-2.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 0958 | DB-1B-4.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 1020 | DB-2B-2.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 1023 | DB-2B-4.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 1114 | DB-1A-2.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 1116 | DB-1A-4.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 1125 | DB-2A-2.0 | | | | | | | | | | | X | S | | | X | 1 |
| | 1127 | DB-2A-4.0 | | | | | | | | | | | X | S | | | X | 1 |

6"x1.5" plastic sleeve

SN 11/30/04

Laboratory: STL San Francisco

Turnaround Time: 24-hour

Results to: Jennifer Patterson

Total No. of Containers: 8

Relinquished by (Signature): Sarah Mearon
Printed Name: Sarah Mearon
Company: Geomatix

Date: 11/30/04
Time: 1245
Relinquished by (Signature): SAS MIKE
Printed Name: WORLD COURIER
Company: WORLD COURIER

Date: 11/30/04
Time: 1800
Relinquished by (Signature):
Printed Name:
Company:

Date: 11/30/04
Time: 1800
Relinquished by (Signature):
Printed Name:
Company:

Received by: SAS MIKE
Printed Name: WORLD COURIER
Company: WORLD COURIER

Date: 11/30/04
Time: 1245
Received by: M. VILLANUEVA
Printed Name: M. VILLANUEVA
Company: STL SP

Method of Shipment: lab courier
Laboratory Comments and Log No.: Tony 20c
Geomatix Consultants
2101 Webster Street, 12th Floor - Oakland, CA 94612
Phone: 510-663-4100 Fax: 510-663-4141

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 11 - 0854

Checklist completed by: (initials) MM Date: 11,30 /04

Courier name: STL San Francisco Client W.C.

Custody seals intact on shipping container/samples Yes ___ No ___ Not Present

Chain of custody present? Yes No ___

Chain of custody signed when relinquished and received? Yes No ___

Chain of custody agrees with sample labels? Yes No ___

Samples in proper container/bottle? Yes No ___

Sample containers intact? Yes No ___

Sufficient sample volume for indicated test? Yes No ___

All samples received within holding time? Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}\text{C} \pm 2$)? Temp. 2.06 Yes No ___

Potential reason for $> 6^{\circ}\text{C}$ - Ice melted - Ice in bags - Not enough ice - Not enough blue ice - Samples in boxes

Sampled $< 4\text{hr. ago}$? Ice not required (e.g. air or bulk sample) Ice Present Yes No ___

Water - VOA vials have zero headspace? No VOA vials submitted Yes ___ No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO_3 HCl H_2SO_4 NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

Geomatrix Consultants

December 03, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 11/30/2004 18:00

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

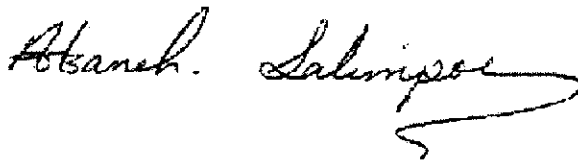
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 01/14/2005 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@sti-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Geomatrix Consultants

December 03, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Case Narrative

General and Sample Comments

We (STL San Francisco) received 24 Soil samples , on Tuesday, November 30,
2004 6:00 PM.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Caparas, Criselda

From: Subedar, Hanif [Hanif.Subedar@L-3com.com]
Sent: Wednesday, December 01, 2004 10:31 AM
To: Caparas, Criselda
Subject: RE:

PO# 283594

From: Caparas, Criselda [mailto:CCaparas@stl-inc.com]
Sent: Tuesday, November 30, 2004 5:20 PM
To: Subedar, Hanif
Subject:

Please provide PO# for the above job.

Criselda Caparas

Assistant Project Manager

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566-4756
Phone: (925) 484-1919
Fax: (925) 484-1096

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12/3/2004

2004-12-0021

18813 94131

Chain-of Custody Record

Date: 11/30/04 Page 1 of 3

Project No.: 3095.007

Samplers (Signature):
Sarah Mearon

ANALYSES

REMARKS

Additional Comments

| Date | Time | Sample Number | EPA Method 8031 (Full Scan) | EPA Method 8021 (Pet. VOCs only) | EPA Method 8021 (BET-X only) | EPA Method 8262 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Sox/Ger Cleanup | As & Pb (GOLDB) | HOLD | Sulf. (S), Water (W), Vapor (V), or Other (o) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments |
|----------|------|---------------|-----------------------------|----------------------------------|------------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|-----------------|-----------------|------|---|----------|-----------|--------|-------------------|-----------------------|
| | | | | | | | | | | | | | | | | | | | | |
| 11/30/04 | 1204 | DB-3A-2.0 | | | | | | | | | | | | | S | | | | 1 | 6"x15" plastic sleeve |
| | 1207 | DB-3A-4.0 | | | | | | | | | | | | | S | | | | 1 | |
| | 1031 | DB-3B-2.0 | | | | | | | | | | | | | S | | | | 1 | |
| | 1033 | DB-3B-4.0 | | | | | | | | | | | | | S | | | | 1 | |
| | 1216 | DB-4A-2.0 | | | | | | | | | | | | | S | | | | 1 | |
| | 1218 | DB-4A-4.0 | | | | | | | | | | | | | S | | | | 1 | |
| | 1043 | DB-4B-2.0 | | | | | | | | | | | | | S | | | | 1 | |
| ✓ | 1045 | DB-4B-4.0 | | | | | | | | | | | | | S | | | | 1 | ✓ |

SM 11/30/04

Laboratory: STL San Francisco

Turnaround Time: TBD

Results to: Jennifer Patterson

Total No. of Containers: 8

Relinquished by (Signature): Sarah Mearon
Printed Name: Sarah Mearon
Company: Geomatrix

Date: 11/30/04
Time: 1420

Relinquished by (Signature):
Printed Name:
Company:

Date:
Time:

Relinquished by (Signature):
Printed Name:
Company:

Date:
Time:

Method of Shipment: lab courier
Laboratory Comments and Log No.
TEMP. 2°C

Received by: Tracy B. Smith
Printed Name: Tracy B. Smith
Company: STL-SF

Date: 11/30/04
Time: 1800

Received by:
Printed Name:
Company:

Date:
Time:


Received by:
Printed Name:
Company:

Date:
Time:

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

2004-12-0021

18814

| Chain-of Custody Record | | | | ANALYSES | | | | | | | | | | REMARKS | | | | | | |
|---|------|----------------|-----------------------------|-----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|------------------------|-----------------------|--------------------------|--|-----------------|---------------------|--|----------|-----------|-------|-------------------|------------------------|
| Project No: 3095.007 | | | | Date: 11/30/04 | | | | | | | | | | Page 2 of 3 | | | | | | |
| Samplers (Signature): Sarah Mearon | | | | | | | | | | | | | | Additional Comments | | | | | | |
| Date | Time | Sample Number | EPA Method 8021 (Fuel Scan) | EPA Method 8021 (Total VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Fuel Scan) | EPA Method 8270 SAM (PAHs only) | Method 8015m (Sashone) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | As & Pb (GC/MS) | HOLD | Soil (S), Water (W), Vapor (V), or Other (O) | Filtrate | Preserves | Check | No. of Containers | |
| 11/30/04 | 1274 | DB-5A-2.0 | | | | | | | | | | | | | S | | | | | 6"x1.5" plastic sleeve |
| | 1227 | DB-5A-4.0 | | | | | | | | | | | | | S | | | | | |
| | 1055 | DB-5B-2.0 | | | | | | | | | | | | | S | | | | | |
| | 1057 | DB-5B-3.5 | | | | | | | | | | | | | S | | | | | |
| | 1239 | DB-6A-2.0 | | | | | | | | | | | | | S | | | | | |
| | 1235 | DB-6A-4.0 | | | | | | | | | | | | | S | | | | | |
| | 1104 | DB-6B-2.0 | | | | | | | | | | | | | S | | | | | |
| ✓ | 1105 | DB-6B-4.0 | | | | | | | | | | | | | S | | | | | |
| SA 11/30/04 | | | | | | | | | | | | | | | | | | | | |
| Laboratory: STL San Francisco | | | | Turnaround Time: TBD | | | | Results to: Jennifer Patterson | | | | Total No. of Containers: 8 | | | | | | | | |
| Relinquished by (Signature): Sarah Mearon | | Date: 11/30/04 | | Relinquished by (Signature): | | Date: | | Relinquished by (Signature): | | Date: | | Method of Shipment: lab courier | | | | | | | | |
| Printed Name: Sarah Mearon | | Time: 1420 | | Printed Name: | | Time: | | Printed Name: | | Time: | | Laboratory Comments and Log No: | | | | | | | | |
| Company: Geomatrix | | | | Company: | | | | Company: | | | | Tb. 202 | | | | | | | | |
| Received by: T. B. Jock | | Date: 11/30/04 | | Received by: | | Date: | | Received by: | | Date: | |  2101 Webster Street, 12th Floor, Oakland, CA 94612 Phone 510 863 4100 Fax 510 863 4114 | | | | | | | | |
| Printed Name: T. B. Jock | | Time: 1800 | | Printed Name: | | Time: | | Printed Name: | | Time: | | | | | | | | | | |
| Company: STL-SF | | | | Company: | | | | Company: | | | | | | | | | | | | |

2004-12-0021

18815

Chain-of Custody Record

Date: 11/30/04 Page 3 of 3

Project No.: 3005.007

Samplers (Signature): Sarah Mearon

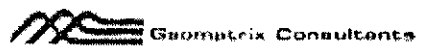
ANALYSES

REMARKS

Additional Comments

| Date | Time | Sample Number | EPA Method 8021 (Fuel Scan) | EPA Method 8001 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Fuel Scan) | EPA Method 8270 SIM (PAHs only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Spice Gel Cleanup | As & Pb (GC/MS) | HOLD | Soil (S), Water (W), Vapor (V), or Other (o) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments | | |
|------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|-------------------|-----------------|------|--|----------|-----------|--------|-------------------|---------------------|----------|------|
| | | | | | | | | | | | | | | | | | | | | | 11/30/04 | 1241 |
| | 1237 | DB-7A-4.0 | | | | | | | | | | | | | | | | | | | | |
| | 1143 | DB-7B-2.0 | | | | | | | | | | | | | | | | | | | | |
| | 1145 | DB-7B-4.0 | | | | | | | | | | | | | | | | | | | | |
| | 1243 | DB-8A-2.0 | | | | | | | | | | | | | | | | | | | | |
| | 1239 | DB-8A-3.5 | | | | | | | | | | | | | | | | | | | | |
| | 1156 | DB-8B-2.0 | | | | | | | | | | | | | | | | | | | | |
| | 1159 | DB-8B-4.0 | | | | | | | | | | | | | | | | | | | | |

Laboratory: **STL San Francisco** Turnaround Time: **TBD** Results to: **Jennifer Patterson** Total No. of Containers: **8**

| | | | | | | | |
|---|-------------------|------------------------------|-------|------------------------------|-------|---|---|
| Relinquished by (Signature): <i>Sarah Mearon</i> | Date: 11/30/04 | Relinquished by (Signature): | Date: | Relinquished by (Signature): | Date: | Method of Shipment: lab courier | |
| Printed Name: Sarah Mearon | Time: 14:20 | Printed Name: | Time: | Printed Name: | Time: | | Laboratory Comments and Log No: Temp. 2°C |
| Company: Geomatrix | | Company: | | Company: | | | |
| Received by: <i>T. Bullbeck</i> | Date: 11/30/04 | Received by: | Date: | Received by: | Date: | | |
| Printed Name: T. Bullbeck | Time: 18:00 | Printed Name: | Time: | Printed Name: | Time: |  Geomatrix Consultants <small>2101 Webster Street, 13th Floor, Oakland, CA 94612 Phone: 510-563-4100 Fax: 510-563-4101</small> | |
| Company: STL-SF | | Company: | | Company: | | | |

Salimpour, Afsaneh

2004.12.002

From: Jennifer Patterson [JPatterson@geomatrix.com]
Sent: Wednesday, December 01, 2004 4:48 PM
To: Salimpour, Afsaneh
Subject: Remove of Hold

Afsaneh-

Can you please analyze the samples that we sent on COC 18813 for arsenic and lead on a 24-hr TAT? The samples names are as follows

DB-3A-2.0
DB-3A-4.0
DB-3B-2.0
DB-3B-4.0
DB-4A-2.0
DB-4A-4.0
DB-4B-2.0
DB-4B-4.0

Thanks,

Jennifer

Jennifer L. Patterson, P.E.
Senior Engineer
Geomatrix Consultants, Inc.
Phone: (510) 663-4167
Fax: (510) 663-4141
visit our website: www.geomatrix.com

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12/1/2004

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| DB-3A-2.0 | 11/30/2004 12:04 | Soil | 1 |
| DB-3A-4.0 | 11/30/2004 12:07 | Soil | 2 |
| DB-3B-2.0 | 11/30/2004 10:31 | Soil | 3 |
| DB-3B-4.0 | 11/30/2004 10:33 | Soil | 4 |
| DB-4A-2.0 | 11/30/2004 12:16 | Soil | 5 |
| DB-4A-4.0 | 11/30/2004 12:18 | Soil | 6 |
| DB-4B-2.0 | 11/30/2004 10:43 | Soil | 7 |
| DB-4B-4.0 | 11/30/2004 10:45 | Soil | 8 |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919, Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/02/2004 16:39

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-3A-2.0 | Lab ID: 2004-12-0021 - 1 |
| Sampled: 11/30/2004 12:04 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 7.0 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:34 | |
| Lead | 40 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:34 | |

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Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-3A-4.0 | Lab ID: 2004-12-0021 - 2 |
| Sampled: 11/30/2004 12:07 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 7.1 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:37 | |
| Lead | 35 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:37 | |

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12/02/2004 16:39

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-3B-2.0 | Lab ID: 2004-12-0021 - 3 |
| Sampled: 11/30/2004 10:31 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 9.2 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:41 | |
| Lead | 190 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:41 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-3B-4.0 | Lab ID: 2004-12-0021 - 4 |
| Sampled: 11/30/2004 10:33 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 22 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:44 | |
| Lead | 260 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:44 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|-----------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-4A-2.0 | Lab ID: 2004-12-0021 - 5 |
| Sampled: 11/30/2004 12:16 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 7.1 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:48 | |
| Lead | 40 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:48 | |

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Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-4A-4.0 | Lab ID: 2004-12-0021 - 6 |
| Sampled: 11/30/2004 12:18 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.9 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:51 | |
| Lead | 160 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:51 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-4B-2.0 | Lab ID: 2004-12-0021 - 7 |
| Sampled: 11/30/2004 10:43 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 9.6 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:55 | |
| Lead | 27 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:55 | |

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12/02/2004 16:39

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004 18:00

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-4B-4.0 | Lab ID: 2004-12-0021 - 8 |
| Sampled: 11/30/2004 10:45 | Extracted: 12/1/2004 10:01 |
| Matrix: Soil | QC Batch#: 2004/12/01-04.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 50 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:58 | |
| Lead | 260 | 1.0 | mg/Kg | 1.00 | 12/02/2004 12:58 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004 18:00

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2004/12/01-04.15-067

Soil

Test(s): 6010B

QC Batch # 2004/12/01-04.15

Date Extracted: 12/01/2004 10:01

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-----|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 12/02/2004 12:06 | |
| Lead | ND | 1.0 | mg/Kg | 12/02/2004 12:06 | |

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12/02/2004 16:39

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 3095.007

Received: 11/30/2004 18:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/12/01-04.15

LCS 2004/12/01-04.15-068

Extracted: 12/01/2004

Analyzed: 12/02/2004 12:11

LCSD 2004/12/01-04.15-071

Extracted: 12/01/2004

Analyzed: 12/02/2004 12:26

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 103 | 106 | 100.0 | 103.0 | 106.0 | 2.9 | 80-120 | 20 | | |
| Lead | 95.9 | 99.2 | 100.0 | 95.9 | 99.2 | 3.4 | 80-120 | 20 | | |

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Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 3095.007

Received: 11/30/2004 18:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/01-04.15

MS/MSD

Lab ID: 2004-12-0002 - 001

MS: 2004/12/01-04.15-089

Extracted: 12/01/2004

Analyzed: 12/02/2004 13:48

Dilution: 1.00

MSD: 2004/12/01-04.15-090

Extracted: 12/01/2004

Analyzed: 12/02/2004 13:51

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 | 111 | 111 | 9.31 | 97.1 | 104.7 | 104.7 | 0.0 | 75-125 | 20 | | |
| Lead | 91.4 | 87.5 | 7.29 | 97.1 | 86.6 | 82.6 | 4.7 | 75-125 | 20 | | |

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12/02/2004 16:39

2004-12-0021

18813 96131

Chain-of Custody Record

Date: 11/30/04 Page 1 of 3

Project No.: 3015.007

ANALYSES

REMARKS

Samplers (Signature):
Sarah Mearon

Additional Comments

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | As & Pb (GOLD) | HOLD | Soil (S), Water (W), Vapor (V), or Other (o) | Filtered | Preserved | Cooled | No. of Containers | REMARKS |
|----------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|----------------|------|--|----------|-----------|--------|-------------------|-----------------------|
| 11/30/04 | 1204 | DB-3A-2.0 | | | | | | | | | | | | | S | | | X | 1 | 6"x1.5" plastic skene |
| | 1207 | DB-3A-4.0 | | | | | | | | | | | | | S | | | X | 1 | |
| | 1031 | DB-3B-2.0 | | | | | | | | | | | | | S | | | X | 1 | |
| | 1033 | DB-3B-4.0 | | | | | | | | | | | | | S | | | X | 1 | |
| | 1216 | DB-4A-2.0 | | | | | | | | | | | | | S | | | X | 1 | |
| | 1218 | DB-4A-4.0 | | | | | | | | | | | | | S | | | X | 1 | |
| | 1043 | DB-4B-2.0 | | | | | | | | | | | | | S | | | X | 1 | |
| ✓ | 1045 | DB-4B-4.0 | | | | | | | | | | | | | S | | | X | 1 | |

Laboratory: STL San Francisco Turnaround Time: TBD Results to: Jennifer Patterson Total No. of Containers: 8

| | | | | | | | |
|---|-------------------|------------------------------|-------|------------------------------|-------|--|----------------------------------|
| Relinquished by (Signature): <i>Sarah Mearon</i> | Date: 11/30/04 | Relinquished by (Signature): | Date: | Relinquished by (Signature): | Date: | Method of Shipment: <u>lab courier</u> | |
| Printed Name: <u>Sarah Mearon</u> | Time: | Printed Name: | Time: | Printed Name: | Time: | | Laboratory Comments and Log No.: |
| Company: <u>Geomatrix</u> | 1420 | Company: | | Company: | | | |
| Received by: <i>T. Sullivan</i> | Date: 11/30/04 | Received by: | Date: | Received by: | Date: | Temp. <u>20°C</u> | |
| Printed Name: <u>T. Sullivan</u> | Time: | Printed Name: | Time: | Printed Name: | Time: | | |
| Company: <u>STL-SF</u> | 1800 | Company: | | Company: | | | |

Geomatrix Consultants
2101 Webster Street, 12th Floor • Oakland, CA 94612
Phone: 510-663-4100 Fax: 510-663-4141

2004-12-0021

18814

Chain-of Custody Record

Date: 11/30/04

Page 2 of 3

Project No.: 3095.007

ANALYSES

REMARKS

Samplers (Signature): Sarah Mearon

Additional Comments

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BETX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | As & Pb (GOLDB) | HOLD | Soil (S), Water (W) Vapor (V), or Other (o) | Filtered | Preserved | Cooled | No. of Containers |
|----------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|-----------------|------|---|----------|-----------|--------|-------------------|
| 11/30/04 | 1224 | DB-5A-2.0 | | | | | | | | | | | | | S | | | X | 1 |
| | 1227 | DB-5A-4.0 | | | | | | | | | | | | | S | | | X | 1 |
| | 1055 | DB-5B-2.0 | | | | | | | | | | | | | S | | | X | 1 |
| | 1057 | DB-5B-3.5 | | | | | | | | | | | | | S | | | X | 1 |
| | 1239 | DB-GA-2.0 | | | | | | | | | | | | | S | | | X | 1 |
| | 1235 | DB-GA-4.0 | | | | | | | | | | | | | S | | | X | 1 |
| | 1104 | DB-GB-2.0 | | | | | | | | | | | | | S | | | X | 1 |
| Y | 1105 | DB-GB-4.0 | | | | | | | | | | | | | S | | | X | 1 |

G & 1.5" plastic sleeve

SAR 11/30/04

Laboratory: STL San Francisco

Turnaround Time: TBD

Results to: Jennifer Patterson

Total No. of Containers

8


Relinquished by (Signature): Sarah Mearon
 Printed Name: Sarah Mearon
 Company: Geomatrix
 Received by: T. Bullock
 Printed Name: T. Bullock
 Company: STL-SF

Date: 11/30/04
 Time: 1420
 Date: 11/30/04
 Time: 1800

Relinquished by (Signature):
 Printed Name:
 Company:
 Received by:
 Printed Name:
 Company:

Date:
 Time:
 Date:
 Time:
 Date:
 Time:

Relinquished by (Signature):
 Printed Name:
 Company:
 Received by:
 Printed Name:
 Company:

Method of Shipment: lab courier
 Laboratory Comments and Log No.: T64p. 202

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

2004-12-0021

10015

Chain-of Custody Record

Date: 11/30/04 Page 3 of 3

Project No.: 3095.007

ANALYSES


REMARKS

Samplers (Signature): Sarah Mearon

Additional Comments

| Date | Time | Sample Number | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8280 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | As & Pb (EOLDB) | | Soil (S), Water (W) Vapor (V), or Other (O) | Filtered | Preserved | Cooled | No. of Containers | REMARKS | |
|----------|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|-----------------|----|---|----------|-----------|--------|-------------------|---------|------------------------|
| | | | | | | | | | | | | | As | Pb | | | | | | | |
| 11/30/04 | 1241 | DB-7A-7.0 | | | | | | | | | | | | X | X | S | | | X | 1 | 6"x1.5" plastic sleeve |
| | 1237 | DB-7A-4.0 | | | | | | | | | | | | X | X | S | | | X | 1 | |
| | 1143 | DB-7B-2.0 | | | | | | | | | | | | X | X | S | | | X | 1 | |
| | 1145 | DB-7B-4.0 | | | | | | | | | | | | X | X | S | | | X | 1 | |
| | 1243 | DB-8A-2.0 | | | | | | | | | | | | X | X | S | | | X | 1 | |
| | 1239 | DB-8A-3.5 | | | | | | | | | | | | X | X | S | | | X | 1 | |
| | 1156 | DB-8B-2.0 | | | | | | | | | | | | X | X | S | | | X | 1 | |
| ↓ | 1159 | DB-8B-4.0 | | | | | | | | | | | | X | X | S | | | X | 1 | |

Laboratory: **STL San Francisco** Turnaround Time: **TBD** Results to: **Jennifer Patterson** Total No. of Containers: **8**

| | | | | | | | |
|---|----------------|------------------------------|-------|------------------------------|-------|--|--|
| Relinquished by (Signature): <i>Sarah Mearon</i> | Date: 11/30/04 | Relinquished by (Signature): | Date: | Relinquished by (Signature): | Date: | Method of Shipment: lab courier | |
| Printed Name: Sarah Mearon | Time: 1420 | Printed Name: | Time: | Printed Name: | Time: | | Laboratory Comments and Log No.: Temp. 2°C |
| Company: Geomatrix | | Company: | | Company: | | | |
| Received by: <i>T. B. Hock</i> | Date: 11/30/04 | Received by: | Date: | Received by: | Date: | | |
| Printed Name: T. B. Hock | Time: 1800 | Printed Name: | Time: | Printed Name: | Time: |  Geomatrix Consultants 2101 Webster Street, 12th Floor • Oakland, CA 94612 Phone: 510-663-4100 Fax: 510-663-4141 | |
| Company: STL-SF | | Company: | | Company: | | | |

Salimpour, Afsaneh

2004.12.0021

From: Jennifer Patterson [JPatterson@geomatrix.com]
Sent: Wednesday, December 01, 2004 4:48 PM
To: Salimpour, Afsaneh
Subject: Remove of Hold

Afsaneh-

Can you please analyze the samples that we sent on COC 18813 for arsenic and lead on a 24-hr TAT? The samples names are as follows:

DB-3A-2.0
DB-3A-4.0
DB-3B-2.0
DB-3B-4.0
DB-4A-2.0
DB-4A-4.0
DB-4B-2.0
DB-4B-4.0

Thanks,

Jennifer

Jennifer L. Patterson, P.E.

Senior Engineer

Geomatrix Consultants, Inc.

Phone: (510) 663-4167

Fax: (510) 663-4141

visit our website: www.geomatrix.com

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12/1/2004

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 12 - 0021

Checklist completed by: (initials) JM Date: 12/01/04

Courier name: STL San Francisco Client W.E.

Custody seals intact on shipping container/samples

Yes No Not Present

Chain of custody present?

Yes No

Chain of custody signed when relinquished and received?

Yes No

Chain of custody agrees with sample labels?

Yes No

Samples in proper container/bottle?

Yes No

Sample containers intact?

Yes No

Sufficient sample volume for indicated test?

Yes No

All samples received within holding time?

Yes No

Container/Temp Blank temperature in compliance ($4^{\circ}\text{C} \pm 2$)?

Temp: 2 °C Yes No

Potential reason for $> 6^{\circ}\text{C}$: Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled $< 4\text{hr}$ ago? Ice not required (e.g. air or bulk sample)

Ice Present Yes No

Water - VOA vials have zero headspace?

No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: _____ / _____ /04 Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

Geomatrix Consultants

December 06, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 11/30/2004 00:00

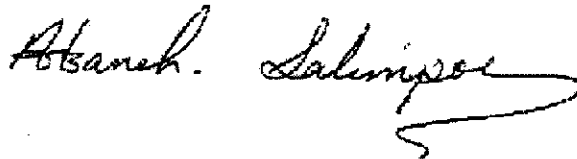
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 01/14/2005 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.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|--------------|--------|-------|
| DB-5A-2.0 | 11/30/2004 | Soil | 1 |
| DB-5A-4.0 | 11/30/2004 | Soil | 2 |
| DB-5B-2.0 | 11/30/2004 | Soil | 3 |
| DB-5B-3.5 | 11/30/2004 | Soil | 4 |
| DB-6A-2.0 | 11/30/2004 | Soil | 5 |
| DB-6A-4.0 | 11/30/2004 | Soil | 6 |
| DB-6B-2.0 | 11/30/2004 | Soil | 7 |
| DB-6B-4.0 | 11/30/2004 | Soil | 8 |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-5A-2.0 | Lab ID: 2004-12-0104 - 1 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 4.7 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:44 | |
| Lead | 24 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:44 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/06/2004 13:34

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-5A-4.0 | Lab ID: 2004-12-0104 - 2 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.3 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:47 | |
| Lead | 130 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:47 | |

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Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-5B-2.0 | Lab ID: 2004-12-0104 - 3 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.1 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:51 | |
| Lead | 27 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:51 | |

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12/06/2004 13:34

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-5B-3.5 | Lab ID: 2004-12-0104 - 4 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.7 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:54 | |
| Lead | 120 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:54 | |

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12/06/2004 13:34

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-6A-2.0 | Lab ID: 2004-12-0104 - 5 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 6.4 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:58 | |
| Lead | 29 | 1.0 | mg/Kg | 1.00 | 12/06/2004 11:58 | |

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12/06/2004 13:34

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-6A-4.0 | Lab ID: 2004-12-0104 - 6 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 2.3 | 1.0 | mg/Kg | 1.00 | 12/06/2004 12:01 | |
| Lead | 160 | 1.0 | mg/Kg | 1.00 | 12/06/2004 12:01 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004

| | |
|----------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-6B-2.0 | Lab ID: 2004-12-0104 - 7 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 5.7 | 1.0 | mg/Kg | 1.00 | 12/06/2004 12:05 | |
| Lead | 40 | 1.0 | mg/Kg | 1.00 | 12/06/2004 12:05 | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004

| | |
|-----------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: DB-6B-4.0 | Lab ID: 2004-12-0104 - 8 |
| Sampled: 11/30/2004 | Extracted: 12/3/2004 16:07 |
| Matrix: Soil | QC Batch#: 2004/12/03-06.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 6.5 | 1.0 | mg/Kg | 1.00 | 12/06/2004 12:08 | |
| Lead | 100 | 1.0 | mg/Kg | 1.00 | 12/06/2004 12:08 | |

Metals

Geomatrix Consultants

Attn: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2004/12/03-06.15-050

Soil

Test(s): 6010B

QC Batch # 2004/12/03-06.15

Date Extracted: 12/03/2004 16:07

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-----|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 12/06/2004 10:59 | |
| Lead | ND | 1.0 | mg/Kg | 12/06/2004 10:59 | |

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12/06/2004 13:34

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 11/30/2004

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/12/03-06.15

LCS 2004/12/03-06.15-051

Extracted: 12/03/2004

Analyzed: 12/06/2004 11:04

LCSD 2004/12/03-06.15-052

Extracted: 12/03/2004

Analyzed: 12/06/2004 11:08

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 104 | 104 | 100.0 | 104.0 | 104.0 | 0.0 | 80-120 | 20 | | |
| Lead | 100 | 101 | 100.0 | 100.0 | 101.0 | 1.0 | 80-120 | 20 | | |

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12/06/2004 13:34

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 11/30/2004

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/03-06.15

MS/MSD

Lab ID: 2004-12-0084 - 028

MS: 2004/12/03-06.15-071

Extracted: 12/03/2004

Analyzed: 12/06/2004 12:37

Dilution: 1.00

MSD: 2004/12/03-06.15-072

Extracted: 12/03/2004

Analyzed: 12/06/2004 12:40

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 | 72.5 | 71.4 | 3.46 | 96.2 | 71.8 | 70.6 | 1.7 | 75-125 | 20 | M5 | M5 |
| Lead | 129 | 129 | 90.0 | 96.2 | 40.5 | 40.5 | 0.0 | 75-125 | 20 | M5 | M5 |

2004-12-0104

Salimpour, Afsaneh

From: Jennifer Patterson [JPatterson@geomatrix.com]
Sent: Friday, December 03, 2004 9:58 AM
To: Salimpour, Afsaneh
Subject: Remove of Hold

12-0021

2004-12-0021

()

Afsaneh-

Can you please analyze the samples that we sent on COC 18814 for arsenic and lead on a 24-hr TAT? The samples names are as follows:

- DB-5A-2.0
- DB-5A-4.0
- DB-5B-2.0
- DB-5B-3.5
- DB-6A-2.0
- DB-6A-4.0
- DB-6B-2.0
- DB-6B-4.0

Thanks,

Jennifer

Jennifer L. Patterson, P.E.

Senior Engineer

Geomatrix Consultants, Inc.

Phone: (510) 663-4167

Fax: (510) 663-4141

visit our website: www.geomatrix.com

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**STL San Francisco
ADD ON/CHANGE
ORDER**

New Submission No.: _____

Reference No.: 96251

ORIGINAL SUBMISSION INFORMATION

Client Name: GEOMATRIX

Name of Caller: J. Patterson

Bill To: _____

Project Mgr: JENNIFER PATTERSON

Call Date: 12/03/04

Attn.: _____

Add on Due Date: 12/06/04

Comments: _____

Project Name: _____

Project No.: 3095.007

PO#: _____

Date Received: 11/30/04

Submission No: 2004-12-0021

ANALYSIS REQUEST

| Sample ID | Date | Time | Mat rix | Prev. Spl. # |
|-----------|----------|------|---------|--------------|
| DB-5A-2.0 | 11/30/04 | | S | 9 |
| DB-5A-4.0 | | | | 10 |
| DB-5B-2.0 | | | | 11 |
| DB-5B-3.5 | | | | 12 |
| DB-6A-2.0 | | | | 13 |
| DB-6A-4.0 | | | | 14 |
| DB-6B-2.0 | | | | 15 |
| DB-6B-4.0 | | | | 16 |

| | | | | | | | | | | | | | | | | |
|---|--|---|---|--|---|---|--|--|--|-------------------------------------|--|---|----------------------|--|--|---|
| TPH EPA - <input type="checkbox"/> 80158021 <input type="checkbox"/> 82608 <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE | Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 82608 | TEPH (EPA 8015M) <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other _____ | Fuel Tests EPA 82608: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol | Purgeable Halocarbons (HVOCS) EPA 8021 by 82608 | Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 82608 <input type="checkbox"/> 624 | Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625 | Oil & Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total | <input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608 | PNAAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310 | CAM 17 Metals (EPA 601074707471) | Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other: _____ | Low Level Metals by EPA 200.8/6020 (ICP-MS): _____ | W.E.T (STLC) TCLP | Hexavalent Chromium pH (24h hold time for H ₂ O) | Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS | 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 |
| | | | | | | | | | | | | | | | | As, Pb |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | X |

RUSH

NUMBER OF CONTAINERS

Geomatrix Consultants

December 14, 2004

2101 Webster Street, 12 th floor
Oakland, CA 94612

Attn.: Jennifer Patterson

Project#: 3095.007

Dear Ms. Patterson,

Attached is our report for your samples received on 12/13/2004 17:45

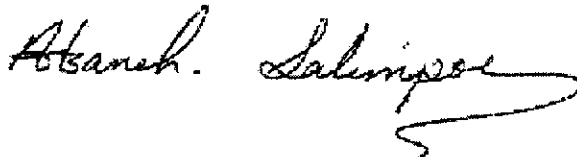
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 01/27/2005 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.: Jennifer Patterson

2101 Webster Street, 12 th floor

Oakland, CA 94612

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

Project: 3095.007

Received: 12/13/2004 17:45

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| EX-1-5 | 12/13/2004 14:35 | Soil | 1 |
| EX-2-5 | 12/13/2004 13:40 | Soil | 2 |
| EX-3-4 | 12/13/2004 13:30 | Soil | 3 |
| STOCKPILE-1 | 12/13/2004 13:10 | Soil | 4 |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/14/2004 11:56

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 12/13/2004 17:45

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: EX-1-5 | Lab ID: 2004-12-0499 - 1 |
| Sampled: 12/13/2004 14:35 | Extracted: 12/14/2004 05:32 |
| Matrix: Soil | QC Batch#: 2004/12/14-02.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:00 | |
| Lead | 3.9 | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:00 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 12/13/2004 17:45

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: EX-2-5 | Lab ID: 2004-12-0499 - 2 |
| Sampled: 12/13/2004 13:40 | Extracted: 12/14/2004 05:32 |
| Matrix: Soil | QC Batch#: 2004/12/14-02.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:23 | |
| Lead | 5.3 | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:23 | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/14/2004 11:56

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 12/13/2004 17:45

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: EX-3-4 | Lab ID: 2004-12-0499 - 3 |
| Sampled: 12/13/2004 13:30 | Extracted: 12/14/2004 05:32 |
| Matrix: Soil | QC Batch#: 2004/12/14-02.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:27 | |
| Lead | 5.7 | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:27 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 12/13/2004 17:45

| | |
|---------------------------|-----------------------------|
| Prep(s): 3050B | Test(s): 6010B |
| Sample ID: STOCKPILE-1 | Lab ID: 2004-12-0499 - 4 |
| Sampled: 12/13/2004 13:10 | Extracted: 12/14/2004 05:32 |
| Matrix: Soil | QC Batch#: 2004/12/14-02.15 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|----------|-------|-----|-------|----------|------------------|------|
| Arsenic | 2.8 | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:30 | |
| Lead | 19 | 1.0 | mg/Kg | 1.00 | 12/14/2004 10:30 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 12/13/2004 17:45

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2004/12/14-02.15

MB: 2004/12/14-02.15-028

Date Extracted: 12/14/2004 05:32

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|----------|-------|-----|-------|------------------|------|
| Arsenic | ND | 1.0 | mg/Kg | 12/14/2004 09:42 | |
| Lead | ND | 1.0 | mg/Kg | 12/14/2004 09:42 | |

Metals

Geomatrix Consultants
Attn.: Jennifer Patterson

2101 Webster Street, 12 th floor
Oakland, CA 94612
Phone: (510) 663-4100 Fax: (510) 663-4141
Project: 3095.007

Received: 12/13/2004 17:45

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/12/14-02.15

LCS 2004/12/14-02.15-029
LCSD 2004/12/14-02.15-030

Extracted: 12/14/2004
Extracted: 12/14/2004

Analyzed: 12/14/2004 09:47
Analyzed: 12/14/2004 09:52

| Compound | Conc. mg/Kg | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|----------|-------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Arsenic | 103 | 104 | 100.0 | 103.0 | 104.0 | 1.0 | 80-120 | 20 | | |
| Lead | 101 | 102 | 100.0 | 101.0 | 102.0 | 1.0 | 80-120 | 20 | | |

Metals

Geomatrix Consultants

Attn.: Jennifer Patterson

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

Project: 3095.007

Received: 12/13/2004 17:45

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/12/14-02.15

EX-1-5 >> MS

Lab ID: 2004-12-0499 - 001

MS: 2004/12/14-02.15-035

Extracted: 12/14/2004

Analyzed: 12/14/2004 10:16

Dilution: 1.00

MSD: 2004/12/14-02.15-036

Extracted: 12/14/2004

Analyzed: 12/14/2004 10:20

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 | 86.3 | 89.1 | ND | 101 | 85.4 | 88.2 | 3.2 | 75-125 | 20 | | |
| Lead | 86.8 | 88.7 | 3.85 | 101 | 82.1 | 84.0 | 2.3 | 75-125 | 20 | | |

2004-12-0499

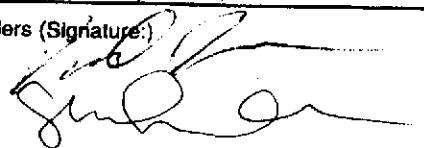
916608

Chain-of Custody Record

017273

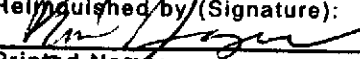
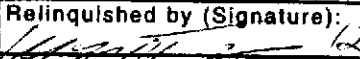
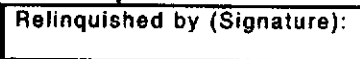
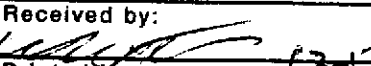
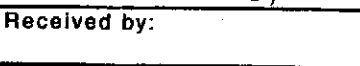


Date: 12/13/04

Page 1 of 1

| Project No.: 3095.007 | | | ANALYSES | | | | | | | | | | REMARKS | | | | | | | | |
|---|------|---------------|-----------------------------|----------------------------------|-----------------------------|-----------------|-----------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|--------------------|-----------------|--------------|----------------------|---|----------|-----------|--------|-----------------------------|----------------------|
| Samplers (Signature):  | | | EPA Method 8021 (Full Scan) | EPA Method 8021 (Hal. VOCs only) | EPA Method 8021 (BTEX only) | EPA Method 8260 | EPA Method 8270 (Full Scan) | EPA Method 8270 SIM (PAHS only) | Method 8015m (Gasoline) | Method 8015m (Diesel) | Method 8015m (Motor Oil) | Silica Gel Cleanup | Arsenic by 6010 | Lead by 6010 | Lead by 1311/CAM WET | Soil (S), Water (W) Vapor (V), or Other (O) | Filtered | Preserved | Cooled | No. of Containers | Additional Comments |
| Date | Time | Sample Number | | | | | | | | | | | | | | | | | | | |
| 12/13/04 | 1435 | EX-1-5 | | | | | | | | | | X | X | | S | N | N | Y | 1 | Please composite samples | |
| 12/13/04 | 1340 | EX-2-5 | | | | | | | | | | X | X | | S | N | N | Y | 1 | STOCKPILE-1A, STOCKPILE-1B, | |
| 12/13/04 | 1330 | EX-3-4 | | | | | | | | | | X | X | | S | N | N | Y | 1 | STOCKPILE-1C, STOCKPILE-1D, | |
| 12/13/04 | 1310 | STOCKPILE-1A | | | | | | | | | | X | X | X | S | N | N | Y | 1 | and STOCKPILE-1E prior | |
| 12/13/04 | 1320 | STOCKPILE-1B | | | | | | | | | | X | X | X | S | N | N | Y | 1 | to analysis. Rename | |
| 12/13/04 | 1325 | STOCKPILE-1C | | | | | | | | | | X | X | X | S | N | N | Y | 1 | composite sample | |
| 12/13/04 | 1430 | STOCKPILE-1D | | | | | | | | | | X | X | X | S | N | N | Y | 1 | STOCKPILE-1 | |
| 12/13/04 | 1440 | STOCKPILE-1E | | | | | | | | | | X | X | X | S | N | N | Y | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | Please call Jennifer |
| | | | | | | | | | | | | | | | | | | | | | Patterson w/ verbal |
| | | | | | | | | | | | | | | | | | | | | | results. |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | * HOLD 1311/CAM WET |
| | | | | | | | | | | | | | | | | | | | | | ANALYSIS UNTIL AUTH- |
| | | | | | | | | | | | | | | | | | | | | | ORIZED BY GEOMATRIX |

SAT 12/10/04

| | | | |
|--------------------|-------------------------------|--------------------------------|----------------------------|
| Laboratory: STL-SF | Turnaround Time: 24-HOUR RUSH | Results to: JENNIFER PATTERSON | Total No. of Containers: 8 |
|--------------------|-------------------------------|--------------------------------|----------------------------|

| | | | | | | | |
|--|----------------|--|----------------|--|----------------|--|--|
| Relinquished by (Signature):  | Date: 12/13/04 | Relinquished by (Signature):  | Date: 12/13/04 | Relinquished by (Signature):  | Date: 12/13/04 | Method of Shipment: LAB COURIER PICK-UP | |
| Printed Name: Yvonne Sorensen | Time: 1545 | Printed Name: MUSA | Time: 1745 | Printed Name: D. Harrington | Time: 1745 | | Laboratory Comments and Log No.: Temp - 2°C |
| Company: Geomatrix | | Company: STL-SF | | Company: STL-SF | | | |
| Received by:  | Date: 12/13/04 | Received by:  | Date: 12/13/04 | Received by:  | Date: 12/13/04 |  Geomatrix Consultants 2101 Webster Street, 12th Floor - Oakland, CA 94612 Phone: 510-863-4100 Fax: 510-863-4141 | |
| Printed Name: MUSA | Time: 1745 | Printed Name: MUSA | Time: 1745 | Printed Name: D. Harrington | Time: 1745 | | |
| Company: STL-SF | | Company: STL-SF | | Company: STL-SF | | | |

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 12 - 0499

Checklist completed by: (initials) [Signature] Date: 12/13/04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples Yes ___ No ___ Not Present

Chain of custody present? Yes No ___

Chain of custody signed when relinquished and received? Yes No ___

Chain of custody agrees with sample labels? Yes No ___

Samples in proper container/bottle? Yes No ___

Sample containers intact? Yes No ___

Sufficient sample volume for indicated test? Yes No ___

All samples received within holding time? Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)? Temp: 7 °C Yes No ___

Potential reason for > 6°C - Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled < 4hr. ago? Ice not required (e.g. air or bulk sample)

Ice Present Yes No ___

Water - VOA vials have zero headspace? No VOA vials submitted Yes ___ No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ SOIL O) or L (large ~ O)

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc -Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____