ATTACHMENT 4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------Frisco Neighborhood Soil Survey

Sample Collection Date(s)-- 03/15/10 - 03/16/10

Contact---------- Melissa Smith (6EN-HX)

Report Date---------- 04/22/10

Project #---------- 10RCRA127

Work Order(s)----------1003016

Analyses included in this report:

Metals ICP 6010B
Solids, Dry Weight

Metals ICP 6010B (No Dry Wt)

Report Narrative

Sample Management:

Even numbered samples were dried and sieved (250 micron) prior to digestion and analysis.

Metals ICP: Batch B0C3105:

MS1/MSD1/MS4/MSD4: Cadmium spike recoveries are low; the results are qualified and may be biased low.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Frisco Neighborhood Soil Survey Project Number: 10RCRA127

Data Management Coordinator: Christy Warren

Christy Warren 4/28/10
Data Management Coordinator Signature Date

Date Transmitted: 4/28/10

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Melissa Smith 5/4/10
Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Melissa Smith 5/19/10
Signature Date

Please provide a reason for holding:

Due to variations in the data, ~~one~~ additional analyses may be needed. Please hold all samples until a final determination is made regarding add'l analyses.

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
3	1003016-01	Solid	3/15/10 9:40	03/18/10 08:55
3	1003016-02	Solid	3/15/10 9:40	03/18/10 08:55
7	1003016-03	Solid	3/15/10 11:35	03/18/10 08:55
7	1003016-04	Solid	3/15/10 11:35	03/18/10 08:55
10	1003016-05	Solid	3/15/10 14:05	03/18/10 08:55
10	1003016-06	Solid	3/15/10 14:05	03/18/10 08:55
13	1003016-07	Solid	3/15/10 15:00	03/18/10 08:55
13	1003016-08	Solid	3/15/10 15:00	03/18/10 08:55
14	1003016-09	Solid	3/15/10 15:25	03/18/10 08:55
14	1003016-10	Solid	3/15/10 15:25	03/18/10 08:55
16	1003016-11	Solid	3/15/10 16:15	03/18/10 08:55
16	1003016-12	Solid	3/15/10 16:15	03/18/10 08:55
17	1003016-13	Solid	3/15/10 16:50	03/18/10 08:55
17	1003016-14	Solid	3/15/10 16:50	03/18/10 08:55
19	1003016-15	Solid	3/15/10 9:40	03/18/10 08:55
19	1003016-16	Solid	3/15/10 9:40	03/18/10 08:55
20	1003016-17	Solid	3/15/10 14:05	03/18/10 08:55
20	1003016-18	Solid	3/15/10 14:05	03/18/10 08:55
21	1003016-19	Solid	3/15/10 15:00	03/18/10 08:55
21	1003016-20	Solid	3/15/10 15:00	03/18/10 08:55
22	1003016-21	Solid	3/15/10 15:25	03/18/10 08:55
22	1003016-22	Solid	3/15/10 15:25	03/18/10 08:55
23	1003016-23	Solid	3/16/10 9:55	03/18/10 08:55
23	1003016-24	Solid	3/16/10 9:55	03/18/10 08:55
25	1003016-25	Solid	3/16/10 10:50	03/18/10 08:55
25	1003016-26	Solid	3/16/10 10:50	03/18/10 08:55
30	1003016-27	Solid	3/16/10 13:35	03/18/10 08:55
30	1003016-28	Solid	3/16/10 13:35	03/18/10 08:55
31	1003016-29	Solid	3/16/10 14:37	03/18/10 08:55
31	1003016-30	Solid	3/16/10 14:37	03/18/10 08:55
32	1003016-31	Solid	3/16/10 14:47	03/18/10 08:55
32	1003016-32	Solid	3/16/10 14:47	03/18/10 08:55
34	1003016-33	Solid	3/16/10 15:27	03/18/10 08:55
34	1003016-34	Solid	3/16/10 15:27	03/18/10 08:55
38	1003016-35	Solid	3/16/10 16:35	03/18/10 08:55

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
38	1003016-36	Solid	3/16/10 16:35	03/18/10 08:55

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-01 **Station ID: 3**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.541 g
%Solids: 74.28
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U	L	0.6	1	03/30/10	04/08/10
Lead (7439-92-1)	**18.3**		3.7	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-02 **Station ID: 3**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.484 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**1,100**		3.1	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-03 **Station ID: 7**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.505 g
%Solids: 70.47
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.7	1	03/30/10	04/08/10
Lead (7439-92-1)	**18.6**		4.2	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-04 **Station ID: 7**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.499 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**216**		3.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-05 **Station ID: 10**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.513 g
%Solids: 75.17
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/08/10
Lead (7439-92-1)	**37.5**		3.9	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-06 **Station ID: 10**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.537 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**156**		2.8	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-07 **Station ID: 13**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.505 g
%Solids: 74.96
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.7	1	03/30/10	04/08/10
Lead (7439-92-1)	**256**		4.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-08 **Station ID: 13**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.507 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**142**		3.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-09 **Station ID: 14**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.511 g
%Solids: 54.05
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.9	1	03/30/10	04/08/10
Lead (7439-92-1)	**46.8**		5.4	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-10 **Station ID: 14**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.548 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**67.6**		2.7	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-11 **Station ID: 16**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.506 g
%Solids: 69.83
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.7	1	03/30/10	04/08/10
Lead (7439-92-1)	**69.6**		4.2	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-12 **Station ID: 16**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.501 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**200**		3.0	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-13 **Station ID: 17**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.51 g
%Solids: 66.90
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.7	1	03/30/10	04/08/10
Lead (7439-92-1)	**144**		4.4	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-14 **Station ID: 17**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.573 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.4	1	03/30/10	04/08/10
Lead (7439-92-1)	**428**		2.6	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-15 **Station ID: 19**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.509 g
%Solids: 74.87
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.7	1	03/30/10	04/08/10
Lead (7439-92-1)	**16.9**		3.9	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-16 **Station ID: 19**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/15/10
Sample Weight: 0.494 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**196**		3.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-17 **Station ID: 20**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/15/10
Sample Weight: 0.507 g
%Solids: 77.70

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/08/10
Lead (7439-92-1)	**39.0**		3.8	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-18 **Station ID: 20**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/15/10
Sample Weight: 0.513 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/08/10
Lead (7439-92-1)	**85.0**		2.9	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-19 **Station ID: 21**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.501 g
%Solids: 77.90
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**123**		3.8	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-20 **Station ID: 21**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.524 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**123**		2.9	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-21 **Station ID: 22**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.519 g
%Solids: 56.54
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.9	1	03/30/10	04/09/10
Lead (7439-92-1)	**45.0**		5.1	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-22 **Station ID: 22**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/15/10
Sample Weight: 0.478 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**54.1**		3.1	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-23 **Station ID: 23**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.506 g
%Solids: 78.22

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**28.7**		3.8	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-24 **Station ID: 23**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.537 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**66.9**		2.8	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-25 **Station ID: 25**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.503 g
%Solids: 74.92

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.7	1	03/30/10	04/09/10
Lead (7439-92-1)	**27.3**		4.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-26 **Station ID: 25**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.515 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**57.8**		2.9	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-27 **Station ID: 30**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.506 g
%Solids: 78.87

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**24.6**		3.8	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-28 **Station ID: 30**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.51 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**51.7**		2.9	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-29 **Station ID: 31**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.541 g
%Solids: 75.30

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**41.0**		3.7	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-30 **Station ID: 31**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.473 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**453**		3.2	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-31 **Station ID: 32**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.517 g
%Solids: 78.90

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U	L	0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**37.7**		3.7	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-32 **Station ID: 32**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.477 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**189**		3.1	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-33 **Station ID: 34**

Batch: B0C3105
Sample Type: Solid

Date Collected: 03/16/10
Sample Weight: 0.513 g
%Solids: 76.27

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**71.2**		3.8	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-34 **Station ID: 34**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/16/10
Sample Weight: 0.506 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**224**		3.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-35 **Station ID: 38**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/16/10
Sample Weight: 0.535 g
%Solids: 80.85
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.6	1	03/30/10	04/09/10
Lead (7439-92-1)	**14.8**		3.5	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-36 **Station ID: 38**

Batch: B0C3105
Sample Type: Solid
Date Collected: 03/16/10
Sample Weight: 0.516 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		0.5	1	03/30/10	04/09/10
Lead (7439-92-1)	**545**		2.9	"	"	"

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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0C3105 **Sample Type: Solid**

Blank (B0C3105-BLK1)

Prepared: 3/30/2010 Analyzed: 4/8/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Cadmium	U		0.5
Lead	U		3.0

LCS (B0C3105-BS1)

Prepared: 3/30/2010 Analyzed: 4/8/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cadmium	4.6		0.5	5.00	92.5	75-125
Lead	37.5		3.0	40.0	93.8	75-125

Matrix Spike (B0C3105-MS1)

Source: 1003016-01 Prepared: 3/30/2010 Analyzed: 4/8/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	4.4		0.6	6.29		70.6 #	75-125
Lead	60.1		3.8	50.3	18.3	82.9	75-125

Matrix Spike (B0C3105-MS2)

Source: 1003016-11 Prepared: 3/30/2010 Analyzed: 4/8/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	5.4		0.7	6.96		77.2	75-125
Lead	114		4.2	55.7	69.6	79.0	75-125

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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0C3105 **Sample Type: Solid**

Matrix Spike (B0C3105-MS3)

Source: 1003016-21 Prepared: 3/30/2010 Analyzed: 4/9/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	7.6		0.9	8.69		87.1	75-125
Lead	112		5.2	69.5	45.0	96.4	75-125

Matrix Spike (B0C3105-MS4)

Source: 1003016-31 Prepared: 3/30/2010 Analyzed: 4/9/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	3.4		0.6	5.94		57.3 #	75-125
Lead	80.2		3.6	47.6	37.7	89.3	75-125

Matrix Spike Dup (B0C3105-MSD1)

Source: 1003016-01 Prepared: 3/30/2010 Analyzed: 4/8/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	4.2		0.6	6.04		69.8 #	75-125	5.20	20
Lead	59.0		3.6	48.3	18.3	84.2	75-125	1.75	20

Matrix Spike Dup (B0C3105-MSD2)

Source: 1003016-11 Prepared: 3/30/2010 Analyzed: 4/8/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	5.8		0.7	7.13		80.8	75-125	6.86	20
Lead	120		4.3	57.1	69.6	88.7	75-125	5.63	20

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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0C3105 **Sample Type: Solid**

Matrix Spike Dup (B0C3105-MSD3)

Source: 1003016-21 Prepared: 3/30/2010 Analyzed: 4/9/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	7.0		0.8	8.07		86.7	75-125	7.79	20
Lead	114		4.8	64.5	45.0	107	75-125	1.62	20

Matrix Spike Dup (B0C3105-MSD4)

Source: 1003016-31 Prepared: 3/30/2010 Analyzed: 4/9/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	4.1		0.6	5.83		69.9 #	75-125	18.0	20
Lead	87.1		3.5	46.7	37.7	106	75-125	8.31	20

Reference (B0C3105-SRM1)

Prepared: 3/30/2010 Analyzed: 4/9/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	10.1		0.5	10.9		92.2	70.6-128		
Lead	61.9		3.0	56.9		109	72.7-127		

Environmental Protection Agency

Region 6 Laboratory

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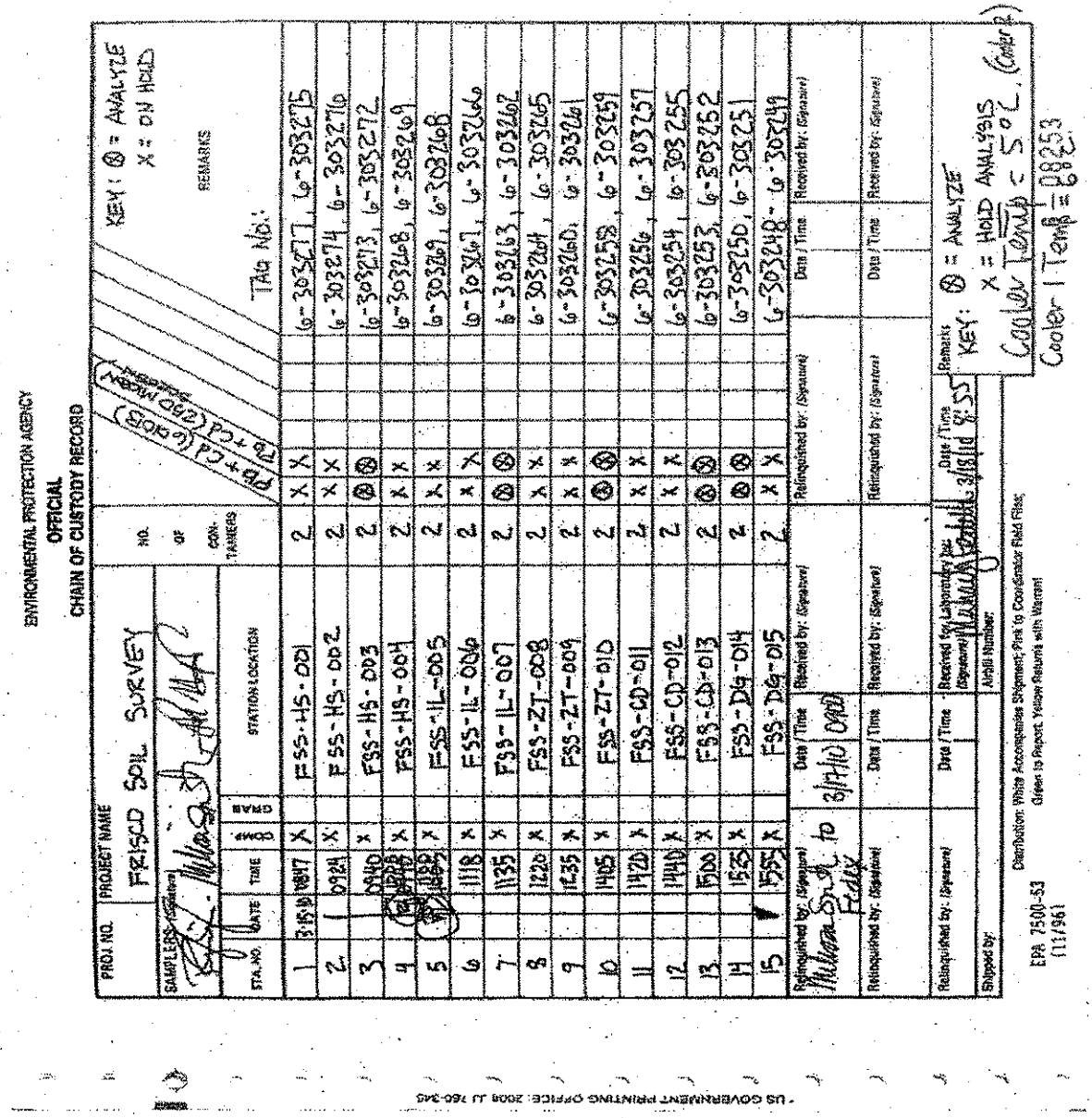

ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. | PROJECT NAME: FRISCO SOIL SURVEY
SAMPLERS (Signature): Milton Smith

STA. NO.	DATE	TIME	MW-A	MW-B	STATION LOCATION	NO. OF CONTAINERS	PHOSPHIDE (Note 1) PO4+Q	(Note 2) PO4+Q	REMARKS: TAG NOS.
1	3/5/10	0817	X		FSS-HS-001	2	X X		6-303277, 6-303275
2	1	0924	X		FSS-HS-002	2	X X		6-303274, 6-303276
3		0940	X		FSS-HS-003	2	⊗ ⊗		6-303273, 6-303272
4		1010	X		FSS-HS-004	2	X X		6-303268, 6-303269
5		1050	X		FSS-IL-005	2	X X		6-303269, 6-303268
6		1118	X		FSS-IL-006	2	X X		6-303267, 6-303266
7		1135	X		FSS-IL-007	2	⊗ ⊗		6-303263, 6-303262
8		1220	X		FSS-ZT-008	2	X X		6-303264, 6-303265
9		1235	X		FSS-ZT-009	2	X X		6-303260, 6-303261
10		1405	X		FSS-ZT-010	2	⊗ ⊗		6-303258, 6-303259
11		1420	X		FSS-CD-011	2	X X		6-303256, 6-303257
12		1440	X		FSS-CD-012	2	X X		6-303254, 6-303255
13		1500	X		FSS-CD-013	2	⊗ ⊗		6-303253, 6-303252
14		1535	X		FSS-DG-014	2	⊗ ⊗		6-303250, 6-303251
15	↓	1555	X		FSS-DG-015	2	X X		6-303248, 6-303249

KEY: ⊗ = ANALYZE
X = ON HOLD

Relinquished by: (Signature) Milton Smith to Fedex — Date/Time 3/9/10 0900 — Received by: (Signature) — Relinquished by: (Signature) — Date/Time — Received by: (Signature) — Relinquished by: (Signature) — Date/Time — Received by: (Signature)

Relinquished by: (Signature) — Date/Time — Received for Laboratory by: (Signature) PAMELA Gable — Date/Time 3/9/10 @ 1555 — Remarks: KEY: ⊗ = ANALYZE, X = HOLD ANALYSIS, Cooler Temp = 5.0 C. (Cooler 1) Cooler 1 Temp = 08253

Shipped by: — Airbill Number:

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EPA 7500-53
(11/91)

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Environmental Protection Agency

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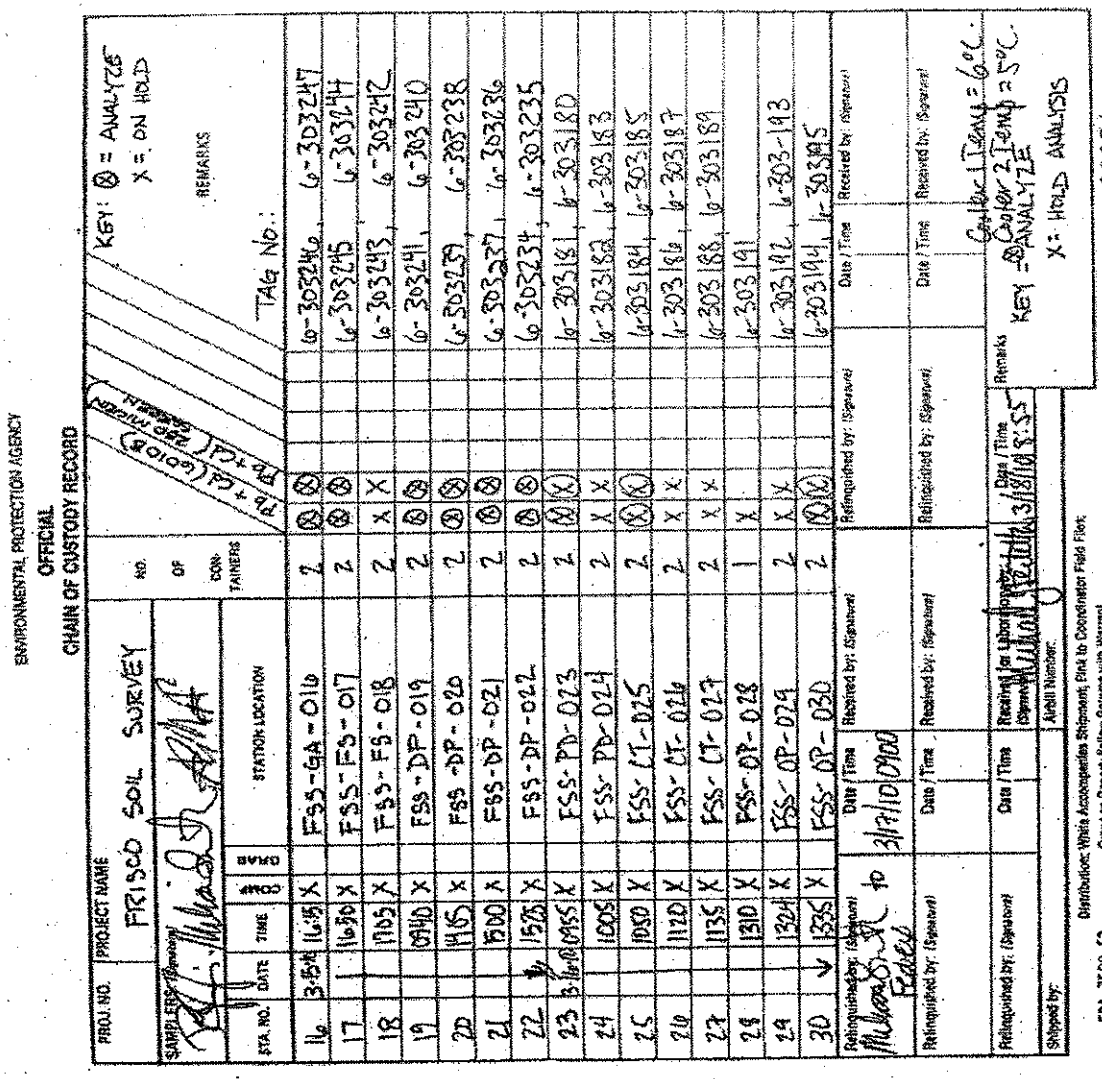

ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. | PROJECT NAME: FRISCO SOIL SURVEY | NO. OF CONTAINERS | KEY: ⊗ = ANALYZE, X = ON HOLD

SAMPLERS (Signature): [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	PD+24 (8015)	PD+24 (8021)	PD+24	REMARKS / TAG No.:
16	3-5-4	1655	X		FSS-GA-016	2	⊗	⊗		6-303246, 6-303247
17	1	1650	X		FSS-FS-017	2	⊗	⊗		6-303245, 6-303244
18		1105	X		FSS-FS-018	2	X	X		6-303243, 6-303242
19		0940	X		FSS-DP-019	2	⊗	⊗		6-303241, 6-303240
20		1145	X		FSS-DP-020	2	⊗	⊗		6-303239, 6-303238
21		1500	X		FSS-DP-021	2	⊗	⊗		6-303237, 6-303236
22	↓	1525	X		FSS-DP-022	2	⊗	⊗		6-303234, 6-303235
23	3-6-10	0955	X		FSS-PD-023	2	⊗	X		6-303181, 6-303180
24		1005	X		FSS-PD-024	2	X	X		6-303182, 6-303183
25		1050	X		FSS-CT-025	2	⊗	⊗		6-303184, 6-303185
26		1120	X		FSS-CT-026	2	X	X		6-303186, 6-303187
27		1135	X		FSS-CT-027	2	X	X		6-303188, 6-303189
28		1310	X		PSS-DP-028	1	X			6-303191
29		1324	X		FSS-DP-029	2	X	X		6-303192, 6-303193
30	↓	1335	X		FSS-DP-030	2	⊗	⊗		6-303194, 6-303195

Relinquished by: (Signature) [signature] Date / Time 2/2/10 0900 — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Receipt for Laboratory (Signature) [signature] — Date / Time 3/8/10 8:55 — Remarks: KEY = ⊗ Color 1 Temp = 6°C. Color 2 Temp = 5°C. ANALYZE X: HOLD ANALYSIS

Shipped by: — Airbill Number: — 6-08254

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files

EPA 7500-53 — Green to Report; Yellow Returns with Warrant

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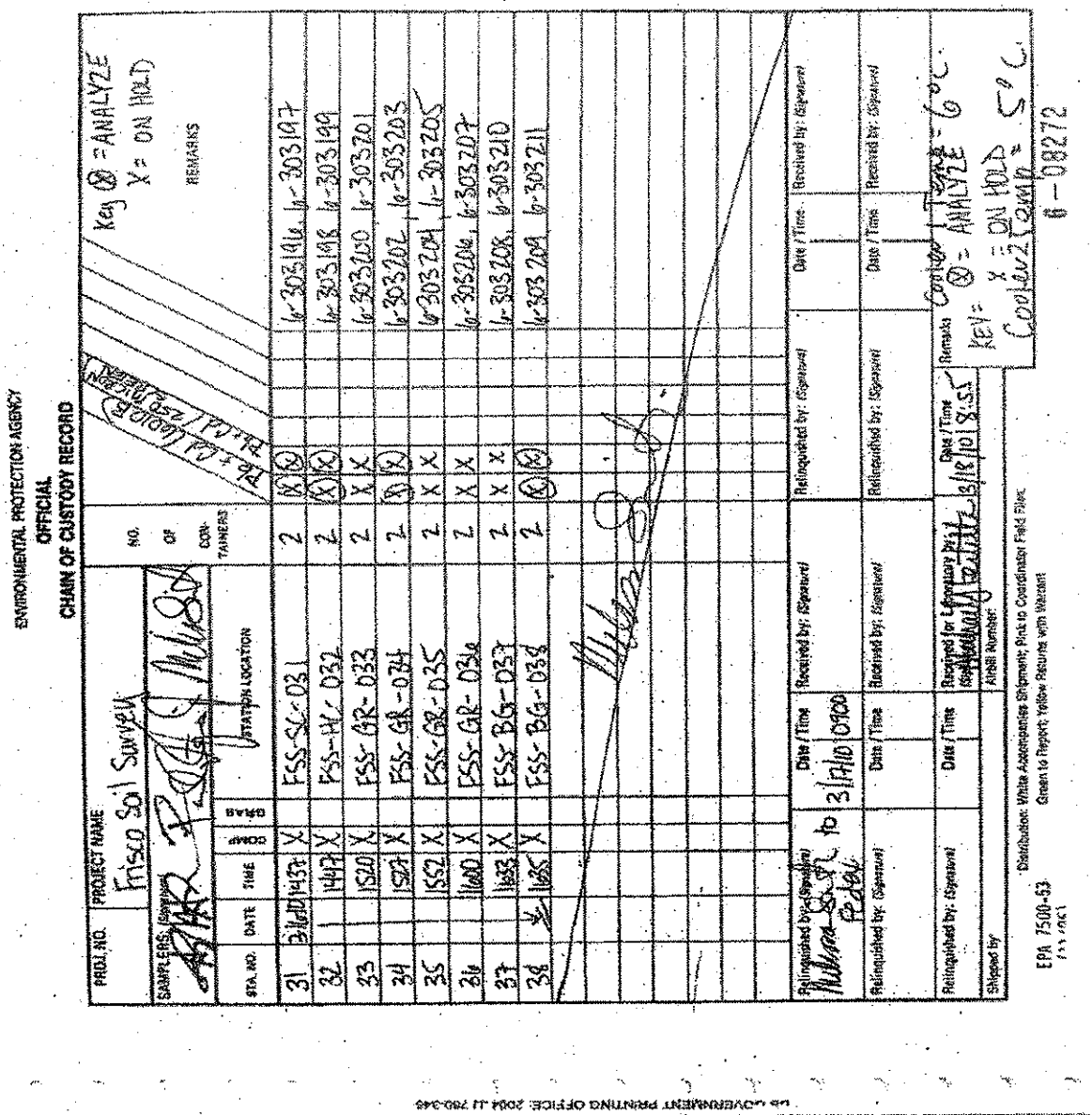

ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO.:
PROJECT NAME: Frisco Soil Survey
SAMPLERS: (Signature) [signature]

Key ⊗ = ANALYZE
X = ON HOLD

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pb + Cd (6010B)	Pb + Cd (250 MICRON SIEVE)				REMARKS
31	3/16/10	1437	X		FSS-SC-031	2	⊗	⊗				6-303196, 6-303197
32		1447	X		FSS-HC-032	2	⊗	⊗				6-303198, 6-303199
33		1520	X		FSS-GR-033	2	X	X				6-303200, 6-303201
34		1527	X		FSS-GR-034	2	⊗	⊗				6-303202, 6-303203
35		1552	X		FSS-GR-035	2	X	X				6-303204, 6-303205
36		1600	X		FSS-GR-036	2	X	X				6-303206, 6-303207
37		1633	X		FSS-BG-037	2	X	X				6-303208, 6-303210
38		1635	X		FSS-BG-038	2	⊗	⊗				6-303209, 6-303211

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature] to Fedex	3/17/10 0900				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) [signature]	Date / Time 3/18/10 8:55	Remarks Cooler 1 Temp = 6°C. KEY = ⊗ = ANALYZE X = ON HOLD Cooler 2 Temp = 5°C.	
Shipped by:		Airbill Number:			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

EPA 7500-53
(11/95)

6-08272

U.S. GOVERNMENT PRINTING OFFICE: 2004 JJ 780-346

Environmental Protection Agency
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Notes and Definitions

L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------Frisco Neighborhood Soil Survey

Sample Collection Date(s)-- 03/15/10

Contact---------- Melissa Smith (6EN-HX)

Report Date----------05/28/10

Project #---------- 10RCRA127

Work Order(s)----------1003016

Analyses included in this report:

Metals ICP 6010B
Metals ICP 6010B (No Dry Wt)
Solids, Dry Weight

Report Narrative

Sample Management:

Samples 1003016-01, -02, -15, and -16 were reanalyzed per the customer's request.

Samples 1003016-02 and -16 were dried and sieved (250 micron) prior to digestion and analysis.

ICP Metals: Batch B0E2601:

MSD2: The lead spike is high; the result is qualified and may be biased high.

The RPD is outside the acceptance range due to difficulty in obtaining a homogeneous pair of samples.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Frisco Neighborhood Soil Survey Project Number: 10RCRA127

Data Management Coordinator: Christy Warren

Christy Warren 5/28/10
Data Management Coordinator Signature Date

Date Transmitted: 5/28/10

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____ / ___ / _____
Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

_____ _____
Signature Date

Please provide a reason for holding:

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
3	1003016-01	Solid	3/15/10 9:40	03/18/10 08:55
3	1003016-02	Solid	3/15/10 9:40	03/18/10 08:55
19	1003016-15	Solid	3/15/10 9:40	03/18/10 08:55
19	1003016-16	Solid	3/15/10 9:40	03/18/10 08:55

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-01RE1 **Station ID: 3**

Batch: B0E2601
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.508 g
%Solids: 74.28
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		2.0	3	05/26/10	05/26/10
Lead (7439-92-1)	**16.3**	**K**	11.9	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-02RE1 **Station ID: 3**

Batch: B0E2601
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.502 g
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		1.5	3	05/26/10	05/26/10
Lead (7439-92-1)	**118**		9.0	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1003016-15RE1 **Station ID: 19**

Batch: B0E2601
Sample Type: Solid
Date Collected: 03/15/10
Sample Weight: 0.516 g
%Solids: 74.87
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		1.9	3	05/26/10	05/26/10
Lead (7439-92-1)	**18.3**		11.6	"	"	"

Environmental Protection Agency
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Metals by EPA Method 6010B - ICP

Lab ID: 1003016-16RE1 **Station ID: 19**

Batch: B0E2601
Sample Type: Solid

Date Collected: 03/15/10
Sample Weight: 0.513 g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		1.5	3	05/26/10	05/26/10
Lead (7439-92-1)	**637**		8.8	"	"	"

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Percent Solids - Quality Control

Duplicate (B0E2602-DUP1)

Source: 1003016-01RE1 Prepared: 5/25/2010 Analyzed: 5/25/2010

Targets

ANALYTE	Result %	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD	RPD Limit
% Solids	76.15				74.28	2.49	20

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0E2601 **Sample Type: Solid**

Blank (B0E2601-BLK1)

Prepared: 5/26/2010 Analyzed: 5/26/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Cadmium	U		0.5
Lead	U		3.0

LCS (B0E2601-BS1)

Prepared: 5/26/2010 Analyzed: 5/26/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cadmium	4.8		0.5	5.00	95.3	75-125
Lead	38.0		3.0	40.0	95.0	75-125

Matrix Spike (B0E2601-MS1)

Source: 1003016-01RE1 Prepared: 5/26/2010 Analyzed: 5/26/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	6.3		2.0	6.61		94.8	75-125
Lead	70.9		11.9	52.9	16.3	103	75-125

Matrix Spike (B0E2601-MS2)

Source: 1003016-02RE1 Prepared: 5/26/2010 Analyzed: 5/26/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	4.4		1.5	4.95		88.8	75-125
Lead	161		8.9	39.6	118	109	75-125

Environmental Protection Agency
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Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0E2601 **Sample Type: Solid**

Matrix Spike Dup (B0E2601-MSD1)

Source: 1003016-01RE1 Prepared: 5/26/2010 Analyzed: 5/26/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	6.3		2.0	6.54		95.8	75-125	0.11	20
Lead	62.9		11.8	52.3	16.3	89.0	75-125	12.0	20

Matrix Spike Dup (B0E2601-MSD2)

Source: 1003016-02RE1 Prepared: 5/26/2010 Analyzed: 5/26/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	4.5		1.5	4.99		90.2	75-125	2.36	20
Lead	325		9.0	39.9	118	518 #	75-125	67.4 #	20

Reference (B0E2601-SRM1)

Prepared: 5/26/2010 Analyzed: 5/26/2010

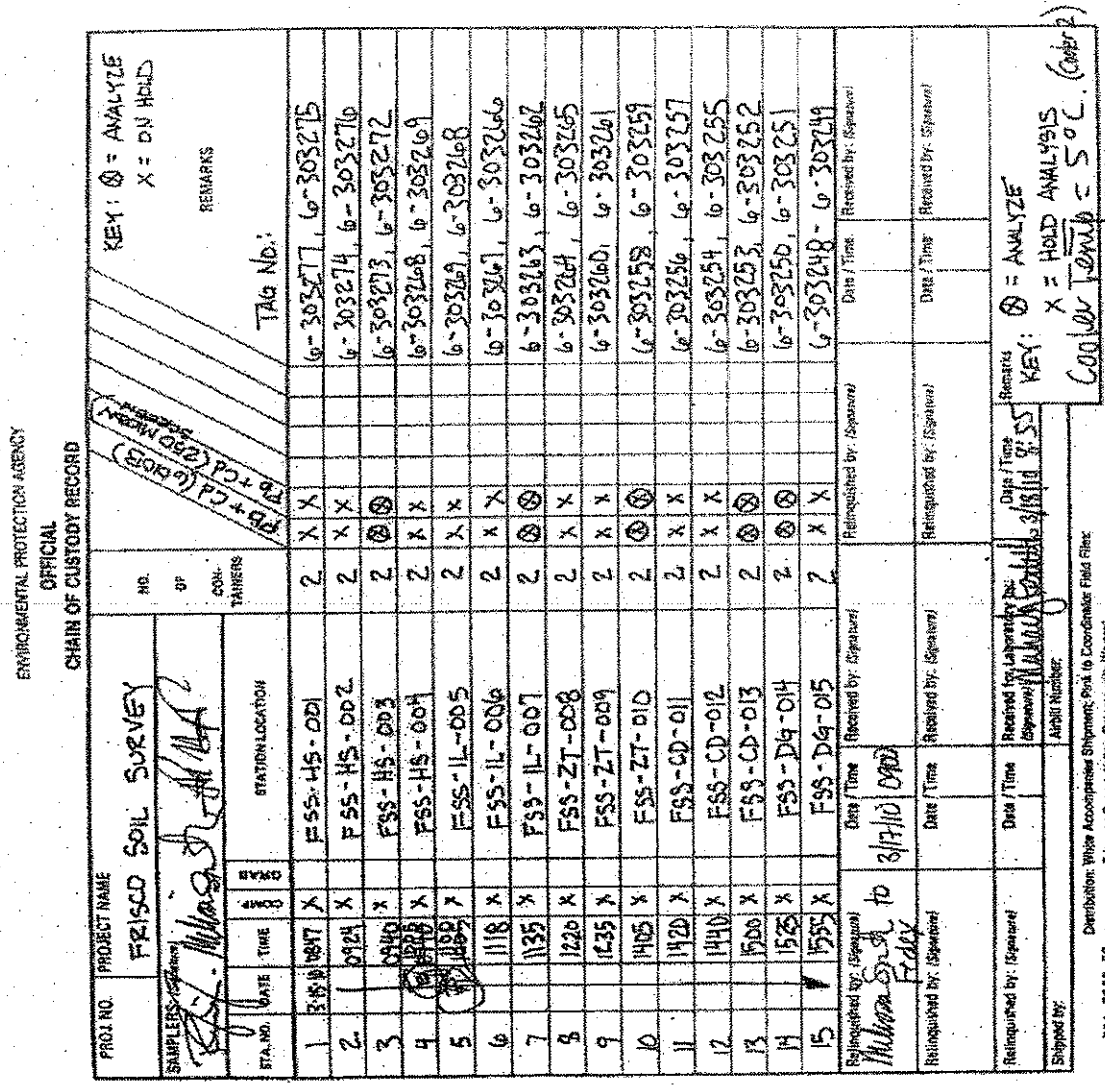
Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cadmium	11.1		0.5	10.9		101	70.6-128		
Lead	58.5		3.0	56.9		103	72.7-127		

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248



ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. | PROJECT NAME: FRISCO SOIL SURVEY | NO. OF CONTAINERS

SAMPLERS (Signature): [illegible]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pb + Cd (Low Conc.) (SPLP Method 1312)	Pb + Cd (SPLP Method 1312)	TAG No.:	REMARKS
1	3/6/10	0847	X		FSS-HS-001	2	X	X	6-303277, 6-303278	
2		0924	X		FSS-HS-002	2	X	X	6-303274, 6-303276	
3		0940	X		FSS-HS-003	2	⊗	⊗	6-303273, 6-303272	
4		1008	X		FSS-HS-004	2	X	X	6-303268, 6-303269	
5		1100	X		FSS-IL-005	2	X	X	6-303261, 6-303268	
6		1118	X		FSS-IL-006	2	X	X	6-303267, 6-303266	
7		1135	X		FSS-IL-007	2	⊗	⊗	6-303263, 6-303262	
8		1220	X		FSS-ZT-008	2	X	X	6-303264, 6-303265	
9		1235	X		FSS-ZT-009	2	X	X	6-303260, 6-303261	
10		1405	X		FSS-ZT-010	2	⊗	⊗	6-303258, 6-303259	
11		1420	X		FSS-CD-011	2	X	X	6-303256, 6-303257	
12		1440	X		FSS-CD-012	2	X	X	6-303254, 6-303255	
13		1500	X		FSS-CD-013	2	⊗	⊗	6-303253, 6-303252	
14		1526	X		FSS-DG-014	2	⊗	⊗	6-303250, 6-303251	
15		1555	X		FSS-DG-015	2	X	X	6-303248, 6-303249	

KEY: ⊗ = ANALYZE
X = DO NOT HOLD

Relinquished by: (Signature) [illegible] to Friday — Date / Time 3/7/10 0900 — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received for Laboratory by: (Signature) [illegible] — Date / Time 3/8/10 0755

Remarks: KEY: ⊗ = ANALYZE; X = HOLD ANALYSIS
Cooler Temp = 5.0 C. (Cooler 2)
Cooler 1 Temp = 6.8 C.

Shipped by: — Airbill Number:

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

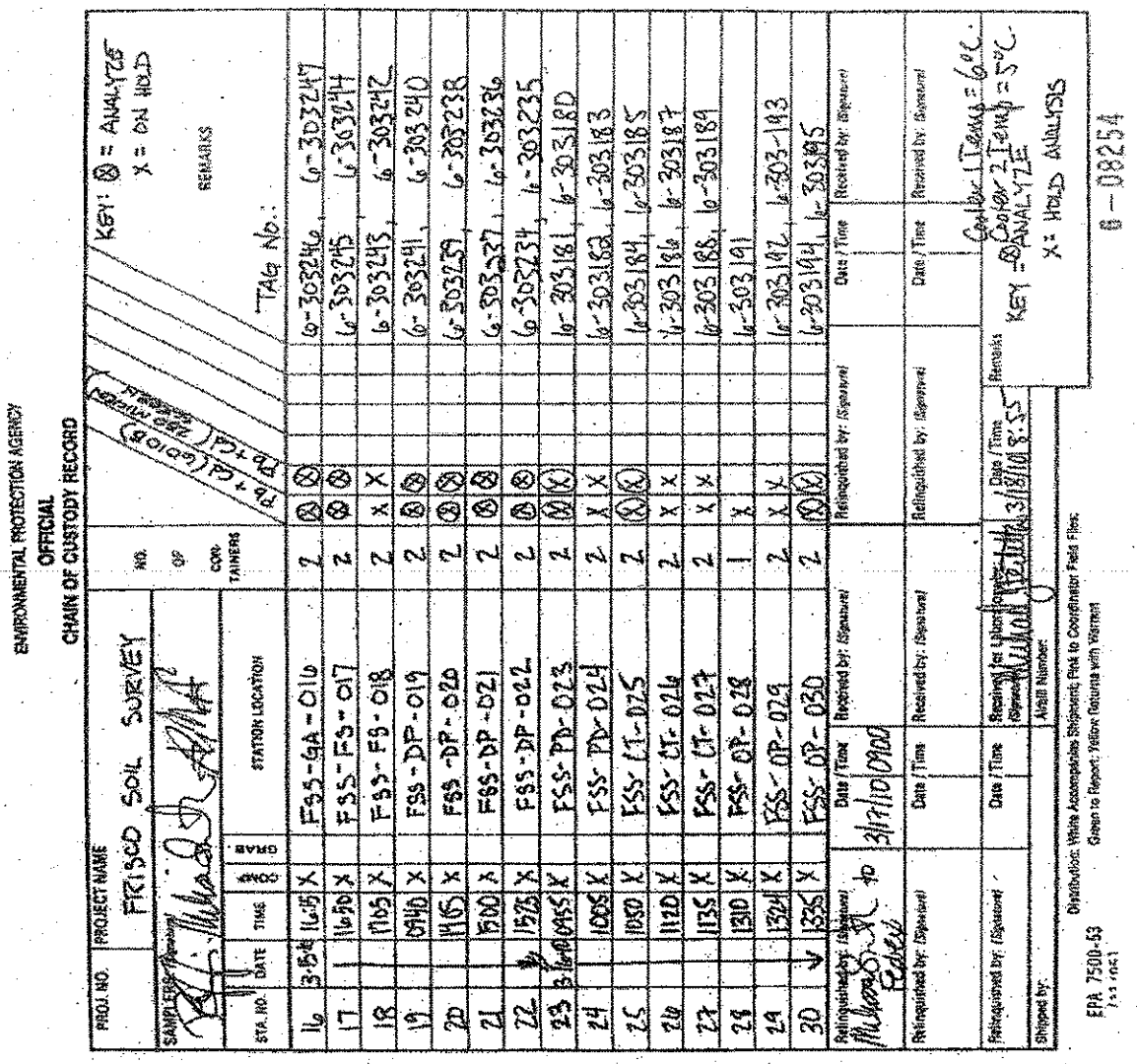
EPA 7500-53
11/1961

US GOVERNMENT PRINTING OFFICE: 2004 JJ 760-345

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248



ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. | PROJECT NAME: FRISCO SOIL SURVEY | NO. OF CONTAINERS

SAMPLERS (Signature): [signature]

KEY: ⊗ = ANALYZE, X = ON HOLD

STA. NO.	DATE	TIME	GRAB	STATION LOCATION	CONTAINERS	Pb+Cd (Soil)	Pb+Cd (Solid)	Pb+Cd	TAG No.:	REMARKS
16	3-15-10	1605	X	FSS-GA-016	2	⊗	⊗		6-303246, 6-303247	
17		1650	X	FSS-FS-017	2	⊗	⊗		6-303245, 6-303244	
18		1705	X	FSS-FS-018	2	X	X		6-303243, 6-303242	
19		0940	X	FSS-DP-019	2	⊗	⊗		6-303241, 6-303240	
20		1145	X	FSS-DP-020	2	⊗	⊗		6-303239, 6-303238	
21		1500	X	FSS-DP-021	2	⊗	⊗		6-303237, 6-303236	
22		1525	X	FSS-DP-022	2	⊗	⊗		6-303234, 6-303235	
23	3-16-10	0945	X	FSS-PD-023	1	(X)	(X)		6-303181, 6-303180	
24		1005	X	FSS-PD-024	2	X	X		6-303182, 6-303183	
25		1050	X	FSS-CT-025	2	(X)	(X)		6-303184, 6-303185	
26		1120	X	FSS-CT-026	2	X	X		6-303186, 6-303187	
27		1135	X	FSS-CT-027	2	X	X		6-303188, 6-303189	
28		1310	X	FSS-OP-028	1	X			6-303191	
29		1324	X	FSS-OP-029	2	X	X		6-303192, 6-303-193	
30	↓	1335	X	FSS-OP-030	2	(X)	(X)		6-303194, 6-303195	

Relinquished by: (Signature) [signature] Date / Time 3/17/10 0900 — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Received by: (Signature) — Relinquished by: (Signature) — Date / Time — Received by: (Signature) — Date / Time — Received by: (Signature)

Relinquished by: (Signature) — Date / Time — Receipt for Laboratory (Signature) [signature] 3/18/10 8:55 — Relinquished by: (Signature) — Date / Time — Remarks: Cooler 1 Temp = 6°C. Cooler 2 Temp = 5°C. KEY - ⊗ ANALYZE, X = HOLD ANALYSIS

Shipped by: — Airbill Number: —

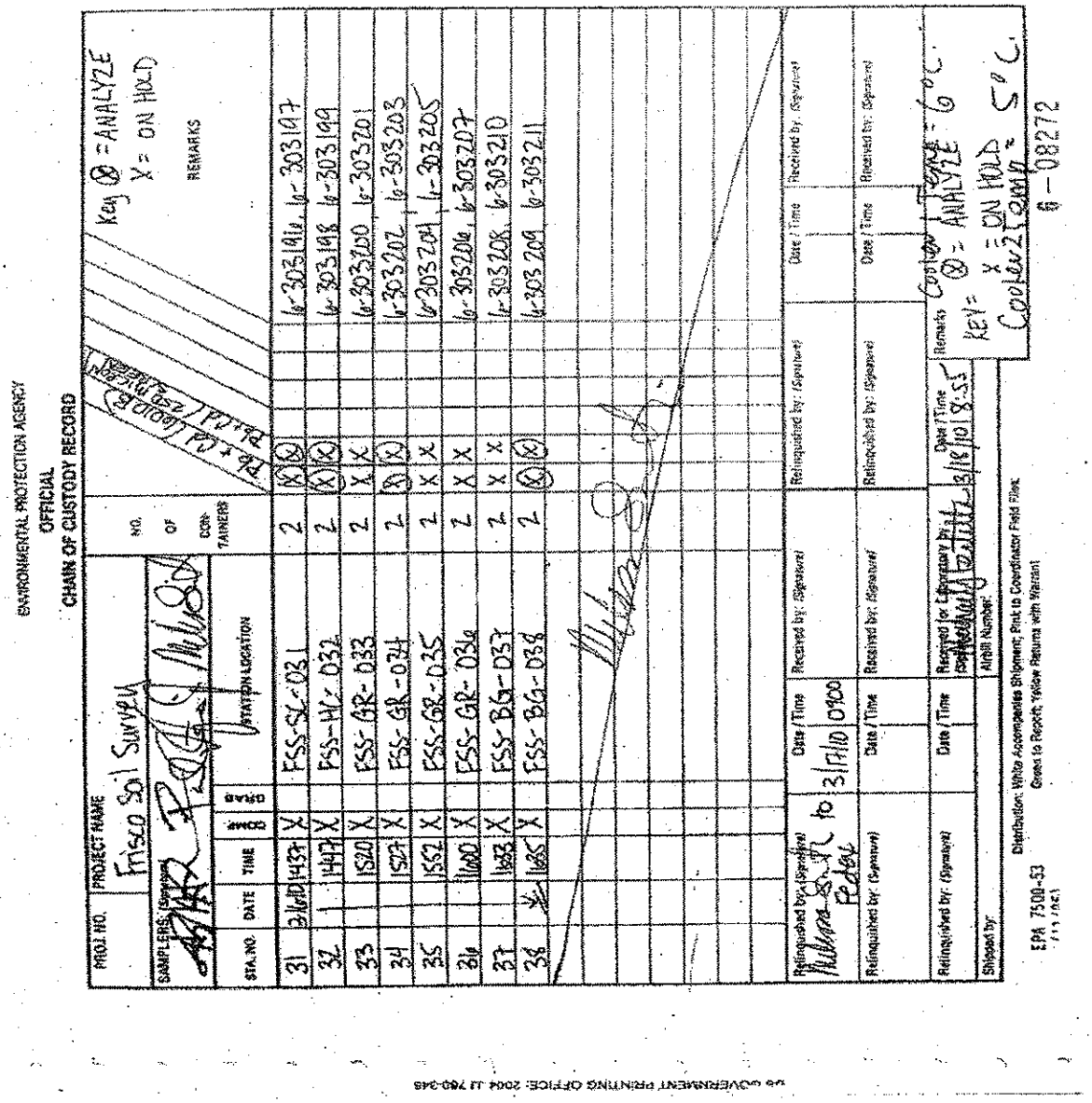
Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

EPA 7500-53 (1-91)

8 - 08254

U.S. GOVERNMENT PRINTING OFFICE: 2004 [illegible] 760-348

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248



ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO.
PROJECT NAME: Frisco Soil Survey
SAMPLERS: (Signature) [signature]

Key ⊗ = ANALYZE
X = ON HOLD

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pb + Cd (6010B)	Pb + Cd (250 mic equiv. sieve)				REMARKS
31	3/16/10	1437	X		FSS-SC-031	2	⊗	⊗				6-303196, 6-303197
32		1447	X		FSS-HC-032	2	⊗	⊗				6-303198 6-303199
33		1520	X		FSS-GR-033	2	X	X				6-303200, 6-303201
34		1527	X		FSS-GR-034	2	⊗	⊗				6-303202, 6-303203
35		1552	X		FSS-GR-035	2	X	X				6-303204, 6-303205
36		1600	X		FSS-GR-036	2	X	X				6-303206, 6-303207
37		1633	X		FSS-BG-037	2	X	X				6-303208, 6-303210
38		1635	X		FSS-BG-038	2	⊗	⊗				6-303209, 6-303211

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature] to Fedex	3/17/10 0900				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) [signature]	Date / Time 3/18/10 8:55	Remarks Cooler 1 Temp = 6°C. KEY = ⊗ = ANALYZE X = ON HOLD Cooler 2 Temp = 5°C.	
Shipped by:		Airbill Number:			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

EPA 7500-53 (11/05)

6-08272

U.S. GOVERNMENT PRINTING OFFICE: 2004 JJ 760-348

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
	FRISCO SOIL SURVEY

SAMPLERS: (Signature) [signature] Melissa Smith [signature]

KEY: ⊗ = ANALYZE
X = ON HOLD

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pb+Cd (6010B)	Pb+Cd (250 MICRON SCREEN)					REMARKS TAG NO.:
1	3-15-10	0847	X		FSS-HS-001	2	X	X					6-303277, 6-303275
2		0924	X		FSS-HS-002	2	X	X					6-303274, 6-303276
3		0940	X		FSS-HS-003	2	⊗	⊗					6-303273, 6-303272
4		~~0940~~ 1005	X		FSS-HS-004	2	X	X					6-303268, 6-303269
5		~~1005~~ 1100	X		FSS-IL-005	2	X	X					6-303269, 6-303268
6		1118	X		FSS-IL-006	2	X	X					6-303267, 6-303266
7		1135	X		FSS-IL-007	2	⊗	⊗					6-303263, 6-303262
8		1220	X		FSS-ZT-008	2	X	X					6-303264, 6-303265
9		1235	X		FSS-ZT-009	2	X	X					6-303260, 6-303261
10		1405	X		FSS-ZT-010	2	⊗	⊗					6-303258, 6-303259
11		1420	X		FSS-CD-011	2	X	X					6-303256, 6-303257
12		1440	X		FSS-CD-012	2	X	X					6-303254, 6-303255
13		1500	X		FSS-CD-013	2	⊗	⊗					6-303253, 6-303252
14		1525	X		FSS-DG-014	2	⊗	⊗					6-303250, 6-303251
15		1555	X		FSS-DG-015	2	X	X					6-303248 - 6-303249

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Melissa Smith to Fedex	3/17/10 0900				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
Shipped by:		Airbill Number:			

Remarks
KEY: ⊗ = ANALYZE
X = HOLD ANALYSIS

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

EPA 7500-53
(11/96)

6 — 08253

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	Pb + Cd (6010B)	Pb + Cd (250 MICRON SCREEN)				KEY: ⊗ = ANALYZE, X = ON HOLD
	FRISCO SOIL SURVEY							REMARKS
SAMPLERS: (Signature)								TAG NO.:

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pb + Cd (6010B)	Pb + Cd (250 MICRON SCREEN)	TAG NO.:
16	3-15-10	1615	X		FSS-GA-016	2	⊗	⊗	6-303246, 6-303247
17		1650	X		FSS-FS-017	2	⊗	⊗	6-303245, 6-303244
18		1705	X		FSS-FS-018	2	X	X	6-303243, 6-303242
19		0940	X		FSS-DP-019	2	⊗	⊗	6-303241, 6-303240
20		1405	X		FSS-DP-020	2	⊗	⊗	6-303239, 6-303238
21		1500	X		FSS-DP-021	2	⊗	⊗	6-303237, 6-303236
22	↓	1525	X		FSS-DP-022	2	⊗	⊗	6-303234, 6-303235
23	3-16-10	0955	X		FSS-PD-023	2	⊗	⊗	6-303181, 6-303180
24		1005	X		FSS-PD-024	2	X	X	6-303182, 6-303183
25		1050	X		FSS-CT-025	2	⊗	⊗	6-303184, 6-303185
26		1120	X		FSS-CT-026	2	X	X	6-303186, 6-303187
27		1135	X		FSS-CT-027	2	X	X	6-303188, 6-303189
28		1310	X		FSS-OP-028	1	X		6-303191
29		1324	X		FSS-OP-029	2	X	X	6-303192, 6-303-193
30	↓	1335	X		FSS-OP-030	2	⊗	⊗	6-303194, 6-303195

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Melissa Smith to Fedex	3/17/10 0900				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				KEY = ⊗ ANALYZE X = HOLD ANALYSIS	
Shipped by:		Airbill Number:			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

EPA 7500-53
(11/96)

6 — 08254

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME: Frisco Soil Survey

SAMPLERS: (Signature) [signature]

Key ⊗ = ANALYZE
X = ON HOLD

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Pb + Cd (6010B)	Pb + Cd (250 MICRON SCREEN)					REMARKS
31	3-16-10	1437	X		FSS-SC-031	2	⊗	⊗					6-303196, 6-303197
32		1447	X		FSS-HC-032	2	⊗	⊗					6-303198, 6-303199
33		1520	X		FSS-GR-033	2	X	X					6-303200, 6-303201
34		1527	X		FSS-GR-034	2	⊗	⊗					6-303202, 6-303203
35		1552	X		FSS-GR-035	2	X	X					6-303204, 6-303205
36		1600	X		FSS-GR-036	2	X	X					6-303206, 6-303207
37		1633	X		FSS-BG-037	2	X	X					6-303208, 6-303210
38		1635	X		FSS-BG-038	2	⊗	⊗					6-303209, 6-303211

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature] to Fedex	3/17/10 0900				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
Shipped by:		Airbill Number:			

Remarks
KEY = ⊗ = ANALYZE
X = ON HOLD

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

EPA 7500-53 (11/96)

6 — 08272