Final
Fort Baker Building 679
Removal Summary and Closure Report
National Park Service
Golden Gate National Recreation Area, California

February 2010

ERRG Project No. 2010-065

Prepared for:

PWR-GOGA Golden Gate National Recreation Area
National Park Service Administration
(Contracting) Building 101 Fort Mason
San Francisco, CA 94123

Prepared by:

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Final
Fort Baker Building 679
Removal Summary and Closure Report
National Park Service
Golden Gate National Recreation Area, California

Submitted by:
Engineering/Remediation Resources Group, Inc.

	December 15, 2010
Signature	Date
Heidi Nelkie	Project Manager
Name	Title
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Signature	Date
Tyson Appel, REA	Program Manager
Name	Title

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Acronyms and Abbreviations

ACM	asbestos-containing material
CAC	Certified Asbestos Contractor
EPA	U.S. Environmental Protection Agency
ERRG	Engineering/Remediation Resources Group, Inc.
ESLs	environmental screening levels
GGNRA	Golden Gate National Recreational Area
LBP	lead-based paint
LVI	LVI Environmental Services, Inc.
NPS	National Park Service
Presidio	The Presidio of San Francisco
RSL	regional screening level
TWA	time-weighted average

Section 1. Introduction

This report summarizes the removal of asbestos-containing material (ACM) and lead-contaminated soil near Building 679, Fort Baker, Golden Gate National Recreation Area (GGNRA), in the Marin Headlands, California (Figure 1). Engineering/Remediation Resources Group, Inc. (ERRG) conducted the work under Contract No. C8151070149 to the National Park Service (NPS). In addition to removing isolated areas of ACM and lead-contaminated soil near Building 679, ERRG performed air monitoring for lead and collected wipe samples of lead-based paint (LBP) to support an NPS contractor, Protech, during installation of a fire suppression system inside Building 679. All site activities were performed in accordance with the NPS-approved project-specific Work Plan (ERRG, 2010).

The remainder of this section describes the project site and background, provides an overview of work activities, identifies the environmental screening levels used for evaluation purposes, and describes the organization of this report.

1.1. PROJECT SITE AND BACKGROUND

Building 679 is located within Fort Baker, GGNRA, Marin Headlands, California (Figure 1). In 1996, Versar, Inc. conducted a survey for ACM and LBP at Building 679 (Versar, Inc., 1996). Results of the survey indicated ACM and LBP were present throughout Building 679. From 1996 to 2009, no activities were conducted at Building 679 until ERRG was contracted to conduct a limited soil investigation. Results of the 2009 investigation indicated elevated concentrations of lead were present in soil along the drip line on the north side of Building 679, and ERRG recommended removal of the lead-contaminated soil (ERRG, 2009).

1.2. OVERVIEW OF WORK ELEMENTS

This project consisted of five work elements: (1) removal of ACM; (2) pre-removal activities; (3) LBP awareness training, monitoring, and collection of wipe confirmation samples; (4) excavation of lead-contaminated soil and collection of soil confirmation samples; and (5) transportation and disposal of waste. The subtasks within each work element are outlined below and discussed in detail in Sections 2 through 6.

1. <u>Removal of ACM</u>
   - ACM removal
   - Visual clearance by Certified Asbestos Contractor (CAC)

2. Pre-Removal Activities
   - Utility clearance
   - Work zone delineation, including establishing stockpile and storage areas
3. LBP Awareness Training, Monitoring, and Collection of Wipe Confirmation Samples
   - Provide lead awareness training to Protech and NPS staff
   - Perform air monitoring for Protech personnel during LBP penetration activities
   - Collect wipe samples from fire suppression installation areas
4. Excavation of Lead-Contaminated Soil and Collection of Soil Confirmation Samples
   - Excavate lead-containing overburden (soil)
   - Collect and analyze soil confirmation samples
   - Backfill the excavation with clean excavated soil and import fill
   - Restore sites, cover disturbed areas with gravel or dirt, regrade, and reposition railroad ties
5. Transportation and Disposal of Waste
   - Collect samples to characterize stockpiled soil
   - Transport and dispose of asbestos at a permitted off-site facility
   - Transport and dispose of excavated soil at an off-site facility

1.3. ENVIRONMENTAL SCREENING LEVELS

Because of the multiple use nature of the Marin Headlands, the following screening levels were evaluated for this project:

- U.S. Environmental Protection Agency (EPA) Regional Screening Level (RSL) for lead (400 milligrams per kilogram in residential soil) (EPA, 2010).
- Title 17 California Code of Regulations Section 35035, "Lead-Contaminated Dust" (0.25 milligrams per square foot for interior horizontal surfaces).

The primary risk to human health at Building 679 is incidental exposure of site visitors (typically recreational users or site workers) to surface soil. Building 679 is within the Marin Headlands, which supports a number of sensitive environments, including habitat supporting endangered species (e.g., the California red-legged frog [*Rana draytonii*], tidewater goby [*Eucyclogobius newberryi*], mission blue butterfly [*Icaricia icarioides missionensis*], salt marsh harvest mouse [*Reithrodontymys raviventris*], the California brown pelican [*Pelecanus occidentalis*], and Chinook salmon [*Oncorhynchus tshawytscha*]). The primary ecological concern at Building 679 is the potential for wildlife to come in contact with surface or shallow subsurface soil at the site. No complete ecological pathway exists for surface water on the north side of Building 649, thus ecological screening was not conducted.

The following soil criteria were selected for use in the initial screening evaluation for protection of human health:

- EPA RSLs for soil in residential areas
- Presidio ESLs for soil less than 5 feet above the highest groundwater level for the protection of water quality, based on drinking water standards

1.4. REPORT ORGANIZATION

Section 1 of this report provides background information on the project site. Section 2 describes the removal of ACM. Section 3 discusses the pre-removal activities that took place before excavation of soil. Section 4 discusses LBP training, monitoring, and collection of wipe confirmation samples. Section 5 summarizes soil excavation activities. Section 6 discusses transportation and disposal of waste. Section 7 summarizes the findings and recommendations of this investigation. Section 8 lists the references used to prepare this report. Figures and tables are provided after Section 8. The following appendices provide supplemental information for this report:

- Appendix A. Lead Awareness Sign-In and Training Certificates
- Appendix B. Laboratory Analytical Reports
- Appendix C. Non-Regulated Solid Waste Manifests and Weigh Ticket

Section 2. Removal of Asbestos-Containing Material

Prior to the installation of a fire suppression sprinkler system, ACM was identified for removal. ERRG subcontracted LVI Environmental Services, Inc. (LVI) to remove the ACM from 14 locations within Building 679 where fire suppression sprinklers were to be installed by Protech.

Protech identified the locations of installation in advance of removal of ACM. On April 24, 2009, LVI cut approximately 2- to 2.75-inch-diameter holes in the wall and removed all of the ACM cores. First floor removal locations are shown in Figure 2, and second floor removal locations are shown in Figure 3. ERRG's CAC conducted a visual clearance ensuring that all ACM was removed prior to installation of the sprinklers. Once areas were deemed clear, LVI encapsulated each hole.

Section 3. Pre-Removal Activities

ERRG mobilized to the site on May 9, 2010. Initial activities included utility clearance and mobilization and site preparation, including establishing general stockpile and equipment storage area. The work activities are detailed below.

3.1. UTILITY CLEARANCE

The excavation areas were appropriately marked, and Underground Service Alert of Northern California and Nevada was notified of the planned subsurface activities. In addition, ERRG's private utility locator (Pinpoint Products of Rohnert Park, California) performed utility clearance at Building 679 prior to any intrusive activities. ERRG also used historical maps and NPS staff knowledge in locating utilities.

3.2. MOBILIZATION AND SITE PREPARATION

Equipment and materials were mobilized to an area behind Building 679 where temporary fencing was set up and an equipment storage area and a soil stockpile area were established. ERRG's staff established work zones, erected temporary fencing, and delineated initial excavation boundaries. Stockpiled soil was placed on 20-mil polyethylene sheeting adjacent to Building 664. Stockpiles were covered and secured at the end of each workday and in anticipation of precipitation events. Historic railroad ties were temporarily relocated from anticipated excavation areas and stored for reuse.

Section 4. Lead-Based Paint Training, Monitoring, and Collection of Wipe Confirmation Samples

During fire suppression installation activities, Protech staff needed to disturb LBP. ERRG provided training and monitoring for staff to assist in minimizing the potential for exposure from lead to human health. ERRG also collected wipe samples to confirm that lead concentrations were less than the screening level.

4.1. LEAD-BASED PAINT TRAINING

On May 4, 2010, Mr. Tyson Appel, ERRG's Lead Supervisor, provided lead awareness training to 14 NPS and Protech staff. Training included a discussion and presentation regarding the laws regulating lead and lead workers and the potential threat to human health posed by exposure to lead. Appendix A contains the training sign-in sheet and certificates are attached.

4.2. LEAD-BASED PAINT DUST MONITORING

ERRG provided personal air monitoring during the first day of LBP penetration activities. The air sampling equipment was calibrated prior to use. One worker was fitted with the sampling equipment for an 8-hour time-weighted average (TWA). Once the sample was collected, it was submitted to TestAmerica in Cedar Falls, Iowa, and analyzed for lead using National Institute for Occupational Safety and Health Method 7300M. Results were screened against the California Division of Occupational Safety and Health's action limit for human health protection from lead of 30 $\mu g/m^3$ for an 8-hour TWA. All analytical results were less than 4.36 $\mu g/m^3$. Appendix B contains the complete laboratory analytical results.

4.3. LEAD-BASED PAINT SAMPLE COLLECTION AND ANALYSIS

After the fire suppression system was installed, ERRG collected wipe samples from surfaces throughout Building 679. Twelve samples were collected near fire suppression sprinklers to identify whether LBP dust was present. Elevated levels of dust were identified in nine samples; however, none of the sample concentrations exceed the Title 17 California Code of Regulations screening level of 0.25 milligrams per square foot for interior horizontal surfaces. Appendix B provides the complete laboratory analytical results. Table 2 provides a comparison of the results with the Title 17 screening level.

Section 5. Excavation of Lead-Contaminated Soil and Confirmation Sampling

Removal activities involved excavation of soil, dust monitoring, collection of soil confirmation samples, and backfilling the excavation and site restoration. Removal activities took place between May 6 and May 20, 2010. The work activities are detailed below.

5.1. SOIL EXCAVATION

Excavation began on May 6, 2009. Soil was excavated to 2 feet below ground surface. Initial excavation was done by hand to protect the utilities. Excavated soil was stored in the stockpile area. Section 6 summarizes the procedures following to transport and dispose of waste generated during excavation activities.

ERRG performed additional excavation of the utility trench after total petroleum hydrocarbon (TPH) impacted soils were discovered. The soil was profiled and disposed of as non-hazardous TPH-diesel and motor oil contaminated soil.

5.2. DUST MONITORING

Dust monitoring was performed with direct-read instruments (e.g., Mini-Ram, Dust-trak) during all dust-generating work activities (e.g., excavation, backfilling, and soil loadout) to measure total particulate levels in the work areas. No elevated levels of dust were identified.

5.3. CONFIRMATION SAMPLING

Following completion of excavation activities, field confirmation samples were collected and measured for lead using a Niton x-ray fluorescent device. Once field concentrations were less than the EPA RSL for lead in residential soil, soil confirmation samples were collected. One soil confirmation sample was collected from the bottom of the excavation and one from each sidewall. Samples were not collected from the southern side of the excavation because the building foundation was present (i.e., no soil to collect). The confirmation soil samples were analyzed for lead using EPA Method 6010B. All sample results were less than the EPA RSL of 400 milligrams per kilogram. Appendix B provides the complete laboratory analytical results. Table 1 provides a comparison of the results with the EPA RSL.

5.4. BACKFILLING AND SITE RESTORATION

The excavation was backfilled on May 19, with NPS-approved, imported class II 0.75-inch aggregate base from Dutra Materials in Cotati, California. Backfill was compacted by wheel rolling with heavy equipment, in accordance with the Work Plan (ERRG, 2010).

After backfill and compaction were complete, the site was restored by returning disturbed areas to preconstruction conditions. ERRG performed a thorough site inspection following the project fieldwork to ensure that all trash and construction materials had been removed from the site. Restoration activities included:

- Reinstalling railroad ties
- Site cleanup

Section 6. Transportation and Disposal

All excavated soil was stored in the stockpile area and covered, pending waste characterization and disposal. A four-point composite sample was collected from the stockpile for waste profiling purposes. The composite sample was analyzed in accordance with the requirements of Title 22 California Code of Regulations and other analyses as required by the specific disposal facility. The sample was analyzed for the soluble threshold limit concentration for metals. Based on the analytical results, all stockpiled soil was classified as "Non-Regulated Solid Waste." Appendix B provides the complete laboratory analytical results for the samples. A nonhazardous waste profile was prepared, and Denbeste Trucking, on May 19, 2010, transported all soil off site to the Altamont Landfill in Livermore, California. Appendix C contains the weight tickets.

Section 7. Summary of Findings and Recommendations

The findings of this removal and closure summary report are as follows:

- The CAC conducted visual clearance of ACM and confirmed ACM was removed from isolated areas where installation of the fire suppression system occurred. ACM remains in the structure of Building 679.
- Elevated levels of lead associated with LBP in dust remain inside Building 679, but concentrations do not exceed the screening level required under Title 17 California Code of Regulations. LBP removal was not conducted in Building 679; therefore, LBP remains.
- Results for soil confirmation samples indicated no analytes were detected at concentrations exceeding the screening levels identified in Section 1.3.

Based on the findings of the soil confirmation samples, no further action is recommended for soil along the north side of Building 679. Soil was not tested or removed along the other sides of Building 679. Also, because lead concentrations associated with LBP were elevated in dust inside Building 679, further evaluation or action may be warranted to address the potential risk to human health for people working inside the building. Also, if additional reconstruction or demolition activities occur at Building 679, further removal and monitoring of ACM and LBP should occur.

Section 8. References

Engineering/Remediation Resources Group, Inc. (ERRG), 2009. "Asbestos and Lead Sampling Results, Multiple Buildings, Fort Baker, San Francisco, California." May.

ERRG, 2010. "Work Plan, Asbestos and Lead Removal, Building 679, Fort Baker, Sausalito, California." April.

San Francisco Bay Area Regional Water Quality Control Board, 2003. Order No. R2-2003-0080, "Revised Site Cleanup Requirements and Rescission of Order No. 91-082," and Order No. 96-070, "For The Property Located at The Presidio of San Francisco, City and County of San Francisco." August 20.

U.S. Environmental Protection Agency, 2010. Regional Screening Levels. November.

Versar, Inc., 1996. "Final Report, Building 679, Asbestos Materials Re-Survey and Lead-Based Paint Investigation, East Fort Baker, Sausalito, California." March 8.

Figures

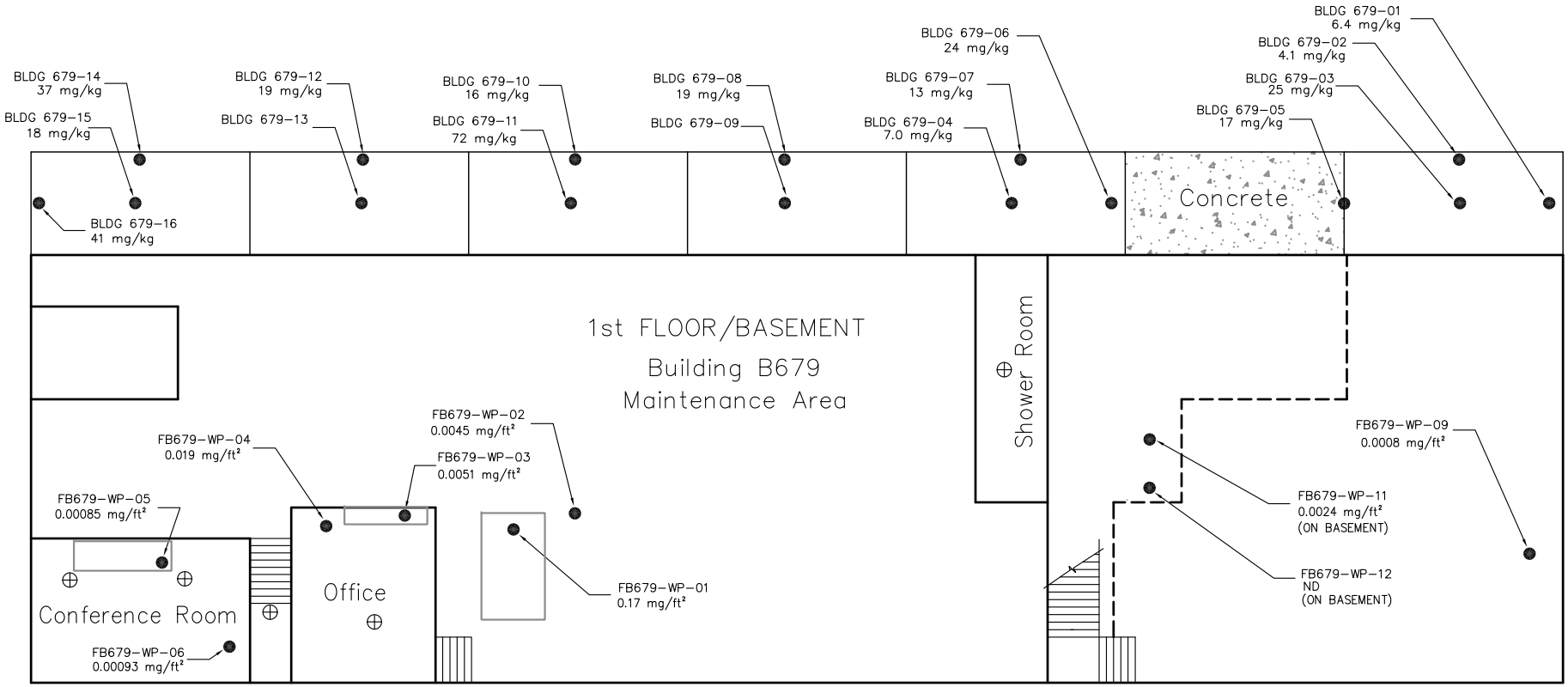
SOURCE: GOOGLE MAP

0' Approximate Scale in Feet 200'

ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9974

CLIENT: NATIONAL PARK SERVICE	SITE LOCATION AND VICINITY MAP			
LOCATION: BUILDING 679, FORT BAKER SAUSALITO, CALIFORNIA	DRAWN BY: SC 01/26/11	CHECKED BY: TA 01/26/11	PROJECT NO. 2010-065	FIG NO. 1

FILE NAME: N:\Projects\2010 Projects\2010-065 NPS B679 Hazmat\N. Maps and Drawings\MAST_2010065.dwg LAYOUT NAME: Fig1 PLOTTED: Wednesday, January 26, 2011 - 2:04pm



LEGEND:

●	SOIL BORING LOCATION
▲	WALL ASBESTOS REMOVAL LOCATION
⊕	CEILING ASBESTOS REMOVAL LOCATION
BLDG 679-01 6.4 mg/kg	SOIL BORING ID, CONCENTRATION OF LEAD MILLIGRAM PER KILOGRAM
FB679-WP-07 0.17 mg/ft²	DUST WIPE ID CONCENTRATION OF LEAD MILLIGRAM PER SQUARE FOOT
ND	NONDETECT
- - - - - - - -	BASEMENT LEVEL BUILDING

N

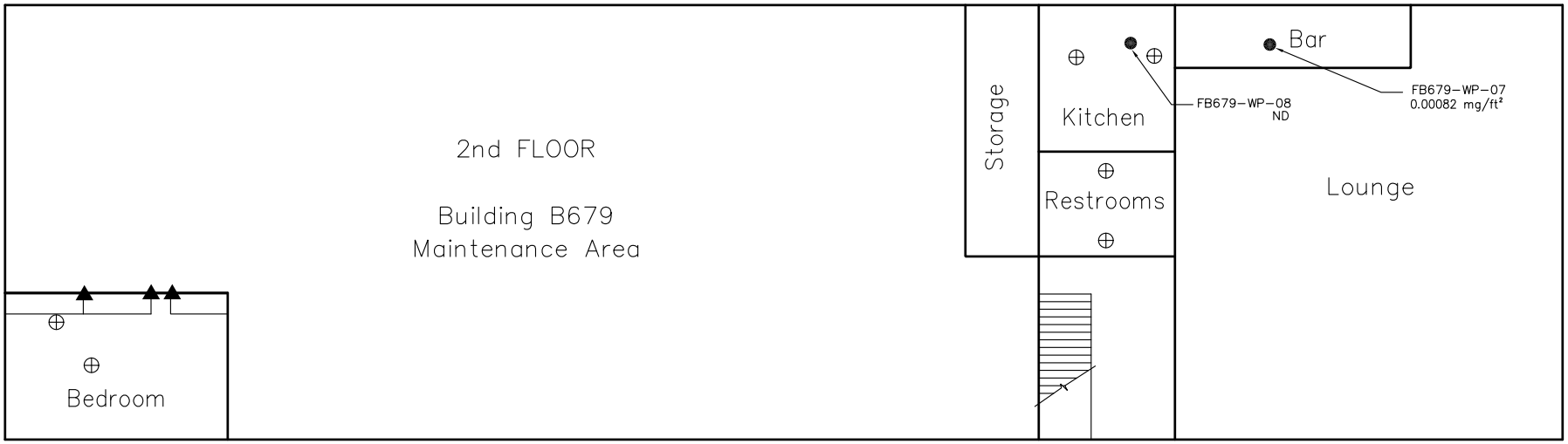
0' 16'

APPROXIMATE SCALE: 1"=16'

ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9974

CLIENT: NATIONAL PARK SERVICE	ASBESTOS REMOVAL AND SAMPLE LOCATIONS 1st FLOOR AND BASEMENT			
LOCATION: BUILDING 679, FORT BAKER SAUSALITO, CALIFORNIA	DRAWN BY: SC 01/26/11	CHECKED BY: TA 01/26/11	PROJECT NO. 2010-065	FIG NO. 2

FILE NAME: N:\Projects\2010 Projects\2010-065 NPS B679 Hazmat\N. Maps and Drawings\MAST_2010065.dwg LAYOUT NAME: Fig2 PLOTTED: Wednesday, January 26, 2011 - 1:10pm



LEGEND:

●	SOIL BORING LOCATION
▲	WALL ASBESTOS REMOVAL LOCATION
⊕	CEILING ASBESTOS REMOVAL LOCATION
BLDG 679-01 6.4 mg/kg	SOIL BORING ID, CONCENTRATION OF LEAD MILLIGRAM PER KILOGRAM
FB679-WP-07 0.17 mg/ft²	DUST WIPE ID CONCENTRATION OF LEAD MILLIGRAM PER SQUARE FOOT
ND	NONDETECT
- - - - - - - -	BASEMENT LEVEL BUILDING

N

0' 16'

APPROXIMATE SCALE: 1"=16'

ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9974

CLIENT: NATIONAL PARK SERVICE	ASBESTOS REMOVAL AND SAMPLE LOCATIONS 2nd FLOOR			
LOCATION: BUILDING 679, FORT BAKER SAUSALITO, CALIFORNIA	DRAWN BY: SC 01/26/11	CHECKED BY: TA 01/26/11	PROJECT NO. 2010-065	FIG NO. 3

FILE NAME: N:\Projects\2010 Projects\2010-065 NPS B679 Hazmat\N. Maps and Drawings\MAST_2010065.dwg LAYOUT NAME: Fig3 PLOTTED: Wednesday, January 26, 2011 - 1:12pm

Tables

Table 1. Summary of Excavation Soil Confirmation Sampling Results

Sample ID No.	Date	Lead (mg/kg)
BLDG 679-01	5/10/2010	6.4
BLDG 679-02	5/10/2010	4.1
BLDG 679-03	5/10/2010	25.0
BLDG 679-04	5/10/2010	7.0
BLDG 679-05	5/10/2010	17.0
BLDG 679-06	5/10/2010	24.0
BLDG 679-07	5/10/2010	13.0
BLDG 679-08	5/10/2010	19.0
BLDG 679-09	5/10/2010	2.7
BLDG 679-10	5/10/2010	16.0
BLDG 679-11	5/10/2010	72.0
BLDG 679-12	5/10/2010	19.0
BLDG 679-13	5/10/2010	32.0
BLDG 679-14	5/10/2010	37.0
BLDG 679-15	5/10/2010	18.0
BLDG 679-16	5/10/2010	41.0
	EPA RSL for Lead:	400.0

Notes:
EPA = U.S. Environmental Protection Agency
mg/kg = milligrams per kilogram
ND = nondetect
RSL = regional screening level

Table 2. Summary of Lead Wipe Sampling Results

Sample ID Number	Site Location	Date	Lead Concentrations (mg/ft^2)
FB679-WP-01	Maintenance Room Bench	7/8/2010	0.17
FB679-WP-02	Maintenance Room Floor	7/8/2010	0.0045
FB679-WP-03	Basement Bench	7/8/2010	0.0051
FB679-WP-04	Basement Floor	7/8/2010	0.019
FB679-WP-05	Classroom Table	7/8/2010	0.00085
FB679-WP-06	Boiler Room	7/8/2010	0.00093
FB679-WP-07	Restaurant Bar	7/8/2010	0.00082
FB679-WP-08	Restaurant Kitchen	7/8/2010	ND
FB679-WP-09	Ballroom Ledge	7/8/2010	0.0008
FB679-WP-10	Ballroom Floor	7/8/2010	ND
FB679-WP-11	Bathroom Sink	7/8/2010	0.0024
FB679-WP-12	Bathroom Ledge	7/8/2010	ND
17 CCR § 35035 standard for lead dust on floors:			4.0
17 CCR § 35035 standard for lead dust on horizontal surfaces:			0.25

Notes:
CCR = California Code of Regulations
mg/ft^2 = milligrams per square foot
ND = nondetect
§ = Section

Appendix A. Lead Awareness Training Sign-In and Certificates

National Park Service
U.S. Department of the Interior

Golden Gate
National Recreation Area

Fort Mason, Building 201
San Francisco CA 94123

Fort Baker

Memorandum

Lead Awareness Training
Sign – In

Name (PLEASE PRINT)		Agency & Phone #
MELANIE WOLLENWEBER	NPS	(415) 289-3111
PAUL EMIG	PAUL_EMIG @ NPS.GOV	289-3103
DENNIS ROBINSON	DENNIS_E_ROBINSON@NPS.GOV	289-3103
PAOLA L. BOLORINO	paola_bolorino@nps.gov	289-3103
Steven A. SERRAO	Steve_Serrao@nps.gov	289-3103
CRISPIN S. ALFONSO	CRISPIN_ALFONSO@nps.gov	289-3103
ALLEN W. SMITH	ALLEN_SMITH@NPS.GOV	(415) 331-1711
NARCISO G. PASCUAL	BNU BLDG 513	289-3103 NPS
Louis SARMIENTO	NPS LOU_SARMIENTO@NPS.gov	415 561-2889
Tony DiStefano	NPS Tony_Di_Stefano@NPS.GOV	415 561 4956
Heidi Nelkie	heidi.nelkie@errg.com	415.848.7102
JIM DITTIG	JDITTIG@PRO-TECHNO.com	(916) 388-0255
Mike Klipfel	crazyboutbass@frontiernet.net	(916) 508-0462
Jeff Hardt	JeffHardt@Live.com	(530) 575-9949
STEVE KASIERSKI	steve_kasierski@nps.gov ~~[illegible]~~	

ERRG

Certificate of Completion

Let it be known that

Narciso G. Pascual

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Allen W. Smith

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Crispin S. Alfonso

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Steven A. Serrao

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Paola L. Bolorino

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Dennis Robinson

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Paul Emig

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Melanie Wollenweber

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Louis Sarmiento

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Tony DiStefano

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Jim Dittig

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Mike Klipfel

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Jeff Hardt

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

ERRG

Certificate of Completion

Let it be known that

Steve Kasierski

Has successfully completed the
ERRG Certification Course for

Lead Awareness Training

Health & Safety Training

7/9/2010

Tyson Appel, Lead Supervisor

Instructor

Appendix B. Laboratory Analytical Reports

ANALYTICAL REPORT

Job Number: 720-29222-1

Job Description: Ft. Baker Sausalito CA

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Heidi Nelkie

Surinder Sidhu

Approved for release.
Surinder Sidhu
Customer Service Manager
7/13/2010 4:24 PM

Designee for
Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
07/13/2010

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TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-29222-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-29222-1	**FB679-WP-01**					
Lead		0.17		0.00070	mg/wipe	6010B
720-29222-2	**FB679-WP-02**					
Lead		0.0045		0.00070	mg/wipe	6010B
720-29222-3	**FB679-WP-03**					
Lead		0.0051		0.00070	mg/wipe	6010B
720-29222-4	**FB679-WP-04**					
Lead		0.019		0.00070	mg/wipe	6010B
720-29222-5	**FB679-WP-05**					
Lead		0.00085		0.00070	mg/wipe	6010B
720-29222-6	**FB679-WP-06**					
Lead		0.00093		0.00070	mg/wipe	6010B
720-29222-7	**FB679-WP-07**					
Lead		0.00082		0.00070	mg/wipe	6010B
720-29222-9	**FB679-WP-09**					
Lead		0.00080	^	0.00070	mg/wipe	6010B
720-29222-11	**FB679-WP-11**					
Lead		0.0024	^	0.00070	mg/wipe	6010B

METHOD SUMMARY

Client: ERRG

Job Number: 720-29222-1

Description	Lab Location	Method	Preparation Method
Matrix Wipe			
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-29222-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-29222-1	FB679-WP-01	Wipe	07/08/2010 1420	07/09/2010 1820
720-29222-2	FB679-WP-02	Wipe	07/08/2010 1425	07/09/2010 1820
720-29222-3	FB679-WP-03	Wipe	07/08/2010 1430	07/09/2010 1820
720-29222-4	FB679-WP-04	Wipe	07/08/2010 1435	07/09/2010 1820
720-29222-5	FB679-WP-05	Wipe	07/08/2010 1440	07/09/2010 1820
720-29222-6	FB679-WP-06	Wipe	07/08/2010 1444	07/09/2010 1820
720-29222-7	FB679-WP-07	Wipe	07/08/2010 1450	07/09/2010 1820
720-29222-8	FB679-WP-08	Wipe	07/08/2010 1455	07/09/2010 1820
720-29222-9	FB679-WP-09	Wipe	07/08/2010 1500	07/09/2010 1820
720-29222-10	FB679-WP-10	Wipe	07/08/2010 1505	07/09/2010 1820
720-29222-11	FB679-WP-11	Wipe	07/08/2010 1510	07/09/2010 1820
720-29222-12	FB679-WP-12	Wipe	07/08/2010 1515	07/09/2010 1820

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-01**

Lab Sample ID: 720-29222-1

Client Matrix: Wipe

Date Sampled: 07/08/2010 1420

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1707			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.17		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-02**

Lab Sample ID: 720-29222-2

Client Matrix: Wipe

Date Sampled: 07/08/2010 1425

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1711			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.0045		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-03**

Lab Sample ID: 720-29222-3

Client Matrix: Wipe

Date Sampled: 07/08/2010 1430

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1715			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.0051		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-04**

Lab Sample ID: 720-29222-4

Client Matrix: Wipe

Date Sampled: 07/08/2010 1435

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1719			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.019		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-05**

Lab Sample ID: 720-29222-5

Client Matrix: Wipe

Date Sampled: 07/08/2010 1440

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1722			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.00085		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-06**

Lab Sample ID: 720-29222-6

Client Matrix: Wipe

Date Sampled: 07/08/2010 1444

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1726			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.00093		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-07**

Lab Sample ID: 720-29222-7

Client Matrix: Wipe

Date Sampled: 07/08/2010 1450

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1730			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.00082		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-08**

Lab Sample ID: 720-29222-8

Client Matrix: Wipe

Date Sampled: 07/08/2010 1455

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1741			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	ND		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-09**

Lab Sample ID: 720-29222-9

Client Matrix: Wipe

Date Sampled: 07/08/2010 1500

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1745			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.00080	^	0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-10**

Lab Sample ID: 720-29222-10

Client Matrix: Wipe

Date Sampled: 07/08/2010 1505

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1749			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	ND		0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-11**

Lab Sample ID: 720-29222-11

Client Matrix: Wipe

Date Sampled: 07/08/2010 1510

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74441		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07121003.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/12/2010 1753			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	0.0024	^	0.00070

Client: ERRG

Job Number: 720-29222-1

Client Sample ID: **FB679-WP-12**

Lab Sample ID: 720-29222-12

Client Matrix: Wipe

Date Sampled: 07/08/2010 1515

Date Received: 07/09/2010 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-74484		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-74364		Lab File ID:	07131001.txt
Dilution:	1.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	07/13/2010 1321			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2010 0754				

Analyte	Result (mg/wipe)	Qualifier	RL
Lead	ND		0.00070

DATA REPORTING QUALIFIERS

Client: ERRG

Job Number: 720-29222-1

Lab Section	Qualifier	Description
Metals		
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Client: ERRG

Job Number: 720-29222-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-74364					
LCS 720-74364/2-A	Lab Control Sample	T	Wipe	3050B	
LCSD 720-74364/3-A	Lab Control Sample Duplicate	T	Wipe	3050B	
MB 720-74364/1-A	Method Blank	T	Wipe	3050B	
720-29222-1	FB679-WP-01	T	Wipe	3050B	
720-29222-2	FB679-WP-02	T	Wipe	3050B	
720-29222-3	FB679-WP-03	T	Wipe	3050B	
720-29222-4	FB679-WP-04	T	Wipe	3050B	
720-29222-5	FB679-WP-05	T	Wipe	3050B	
720-29222-6	FB679-WP-06	T	Wipe	3050B	
720-29222-7	FB679-WP-07	T	Wipe	3050B	
720-29222-8	FB679-WP-08	T	Wipe	3050B	
720-29222-9	FB679-WP-09	T	Wipe	3050B	
720-29222-10	FB679-WP-10	T	Wipe	3050B	
720-29222-11	FB679-WP-11	T	Wipe	3050B	
720-29222-12	FB679-WP-12	T	Wipe	3050B	
Analysis Batch:720-74441					
LCS 720-74364/2-A	Lab Control Sample	T	Wipe	6010B	720-74364
LCSD 720-74364/3-A	Lab Control Sample Duplicate	T	Wipe	6010B	720-74364
MB 720-74364/1-A	Method Blank	T	Wipe	6010B	720-74364
720-29222-1	FB679-WP-01	T	Wipe	6010B	720-74364
720-29222-2	FB679-WP-02	T	Wipe	6010B	720-74364
720-29222-3	FB679-WP-03	T	Wipe	6010B	720-74364
720-29222-4	FB679-WP-04	T	Wipe	6010B	720-74364
720-29222-5	FB679-WP-05	T	Wipe	6010B	720-74364
720-29222-6	FB679-WP-06	T	Wipe	6010B	720-74364
720-29222-7	FB679-WP-07	T	Wipe	6010B	720-74364
720-29222-8	FB679-WP-08	T	Wipe	6010B	720-74364
720-29222-9	FB679-WP-09	T	Wipe	6010B	720-74364
720-29222-10	FB679-WP-10	T	Wipe	6010B	720-74364
720-29222-11	FB679-WP-11	T	Wipe	6010B	720-74364
Analysis Batch:720-74484					
720-29222-12	FB679-WP-12	T	Wipe	6010B	720-74364

Report Basis

T = Total

Client: ERRG

Job Number: 720-29222-1

Method Blank - Batch: 720-74364

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-74364/1-A
Client Matrix: Wipe
Dilution: 1.0
Date Analyzed: 07/12/2010 1656
Date Prepared: 07/12/2010 0754

Analysis Batch: 720-74441
Prep Batch: 720-74364
Units: mg/wipe

Instrument ID: Thermo ICP2
Lab File ID: 07121003.txt
Initial Weight/Volume: 1 Wipe
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.00070

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74364

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-74364/2-A
Client Matrix: Wipe
Dilution: 1.0
Date Analyzed: 07/12/2010 1700
Date Prepared: 07/12/2010 0754

Analysis Batch: 720-74441
Prep Batch: 720-74364
Units: mg/wipe

Instrument ID: Thermo ICP2
Lab File ID: 07121003.txt
Initial Weight/Volume: 1 Wipe
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-74364/3-A
Client Matrix: Wipe
Dilution: 1.0
Date Analyzed: 07/12/2010 1703
Date Prepared: 07/12/2010 0754

Analysis Batch: 720-74441
Prep Batch: 720-74364
Units: mg/wipe

Instrument ID: Thermo ICP2
Lab File ID: 07121003.txt
Initial Weight/Volume: 1 Wipe
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Lead	103	103	68 - 115	1	23		

ERRG

Engineering / Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, CA 94104
Phone: (415) 395-9974
Fax: : (415) 395-9983

720-29222

Lab No.
Address

Page of

Navy EDD Report? Yes No

Test America

Electronic Deliverables To (Email Address): heidi.nelkie@errg.com

Phone No.: 404.405.6196

Fax No.:

Sampler: Heidi N

Project Number: 2010-~~002~~ 065 HN

Phase # / Task #

Project Name: Ft. Baker 679 HN
~~Ft Mason 235, 238, 239~~

Project Address: Ft. Baker, Sausalito, CA

Project Manager: Heidi Nelkie

Analysis Request: Lead

Sample Designation	Sampling Date	Sampling Time	Container	Matrix: Soil	Matrix: Water	Matrix: Wipe	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk) TAT	Number of Containers	Comments	For Lab Use Only
1. FB679 - WP - 01	7.8.10	1420		X		X	STD	1		
2. FB679 - WP - 02		1425		X			STD	1		
3. FB679 - WP - 03		1430		X			STD	1		
4. FB679 - WP - 04		1435		X			STD	1		
5. FB679 - WP - 05		1440		X			STD	1		
6. FB679 - WP - 06		1445		X			STD	1		
7. FB679 - WP - 07		1450		X			STD	1		
8. FB679 - WP - 08		1455		X			STD	1		
9. FB679 - WP - 09		1500		X			STD	1		
10. FB679 - WP - 10		1505		X			STD	1		
11. FB679 - WP - 11		1510		X			STD	1		
12. FB679 - WP - 12		1515		X			STD	1		
9.				X			STD	1		
10.				X			STD	1		

RUS

Relinquished by:	Date	Time	Received by:
[signature]	7.9.10	1745	[signature]
Relinquished by: [signature]	7/9/10	1820	Received by Laboratory: [signature] / TASF

Remarks: 24 hr. TAT for all samples 19.5°C

Bill to: Engineering / Remediation Resources Group, Inc.
4585 Pacheco Blvd, Suite 200
Martinez, CA 94553

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-29222-1

Login Number: 29222

List Source: TestAmerica San Francisco

Creator: Hoang, Julie

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 720-28003-1

Job Description: Bldg 679

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Heidi Nelkie

Approved for release.
Dimple Sharma
Project Manager I
5/12/2010 5:06 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
05/12/2010

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-28003-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method 6010B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): 28003-a MS, 28003-1 MSD, 28003-1, 28003-8.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-28003-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-28003-1	**BLDG 679-01**				
Lead		6.4	2.1	mg/Kg	6010B
720-28003-2	**BLDG 679-02**				
Lead		4.1	0.50	mg/Kg	6010B
720-28003-3	**BLDG 679-03**				
Lead		25	0.50	mg/Kg	6010B
720-28003-4	**BLDG 679-04**				
Lead		7.0	0.51	mg/Kg	6010B
720-28003-5	**BLDG 679-05**				
Lead		17	0.51	mg/Kg	6010B
720-28003-6	**BLDG 679-06**				
Lead		24	0.49	mg/Kg	6010B
720-28003-7	**BLDG 679-07**				
Lead		13	0.49	mg/Kg	6010B
720-28003-8	**BLDG 679-08**				
Lead		19	2.0	mg/Kg	6010B
720-28003-9	**BLDG 679-09**				
Lead		2.7	0.50	mg/Kg	6010B
720-28003-10	**BLDG 679-10**				
Lead		16	0.49	mg/Kg	6010B
720-28003-11	**BLDG 679-11**				
Lead		72	0.51	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-28003-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-28003-12	**BLDG 679-12**				
Lead		19	0.49	mg/Kg	6010B
720-28003-13	**BLDG 679-13**				
Lead		32	0.51	mg/Kg	6010B
720-28003-14	**BLDG 679-14**				
Lead		37	0.48	mg/Kg	6010B
720-28003-15	**BLDG 679-15**				
Lead		18	0.52	mg/Kg	6010B
720-28003-16	**BLDG 679-16**				
Lead		41	0.52	mg/Kg	6010B

METHOD SUMMARY

Client: ERRG

Job Number: 720-28003-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-28003-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-28003-1	BLDG 679-01	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-2	BLDG 679-02	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-3	BLDG 679-03	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-4	BLDG 679-04	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-5	BLDG 679-05	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-6	BLDG 679-06	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-7	BLDG 679-07	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-8	BLDG 679-08	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-9	BLDG 679-09	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-10	BLDG 679-10	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-11	BLDG 679-11	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-12	BLDG 679-12	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-13	BLDG 679-13	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-14	BLDG 679-14	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-15	BLDG 679-15	Solid	05/10/2010 0000	05/11/2010 1205
720-28003-16	BLDG 679-16	Solid	05/10/2010 0000	05/11/2010 1205

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-01**

Lab Sample ID: 720-28003-1

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71256		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05121003.txt
Dilution:	4.0			Initial Weight/Volume:	0.96 g
Date Analyzed:	05/12/2010 1425			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		6.4		2.1

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-02**

Lab Sample ID: 720-28003-2

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	05/11/2010 1847			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		4.1		0.50

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-03**

Lab Sample ID: 720-28003-3

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	05/11/2010 1852			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		25		0.50

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-04**

Lab Sample ID: 720-28003-4

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	0.98 g
Date Analyzed:	05/11/2010 1857			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		7.0		0.51

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-05**

Lab Sample ID: 720-28003-5

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	0.99 g
Date Analyzed:	05/11/2010 1910			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		17		0.51

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-06**

Lab Sample ID: 720-28003-6

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	05/11/2010 1915			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		24		0.49

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-07**

Lab Sample ID: 720-28003-7

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	05/11/2010 1920			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		13		0.49

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-08**

Lab Sample ID: 720-28003-8

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71256		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05121003.txt
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	05/12/2010 1429			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		19		2.0

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-09**

Lab Sample ID: 720-28003-9

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	05/11/2010 1930			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		2.7		0.50

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-10**

Lab Sample ID: 720-28003-10

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	05/11/2010 1935			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		16		0.49

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-11**

Lab Sample ID: 720-28003-11

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	0.99 g
Date Analyzed:	05/11/2010 1940			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		72		0.51

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-12**

Lab Sample ID: 720-28003-12

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	05/11/2010 1945			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		19		0.49

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-13**

Lab Sample ID: 720-28003-13

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	0.99 g
Date Analyzed:	05/11/2010 1950			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		32		0.51

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-14**

Lab Sample ID: 720-28003-14

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	05/11/2010 1955			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		37		0.48

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-15**

Lab Sample ID: 720-28003-15

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	0.97 g
Date Analyzed:	05/11/2010 2008			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		18		0.52

Client: ERRG

Job Number: 720-28003-1

Client Sample ID: **BLDG 679-16**

Lab Sample ID: 720-28003-16

Client Matrix: Solid

Date Sampled: 05/10/2010 0000

Date Received: 05/11/2010 1205

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71222		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71170		Lab File ID:	05111006.txt
Dilution:	1.0			Initial Weight/Volume:	0.96 g
Date Analyzed:	05/11/2010 2013			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		41		0.52

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: ERRG

Job Number: 720-28003-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-71170					
LCS 720-71170/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 720-71170/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 720-71170/22-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-71170/1-A	Method Blank	T	Solid	3050B	
720-28003-1	BLDG 679-01	T	Solid	3050B	
720-28003-1MS	Matrix Spike	T	Solid	3050B	
720-28003-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
720-28003-2	BLDG 679-02	T	Solid	3050B	
720-28003-3	BLDG 679-03	T	Solid	3050B	
720-28003-4	BLDG 679-04	T	Solid	3050B	
720-28003-5	BLDG 679-05	T	Solid	3050B	
720-28003-6	BLDG 679-06	T	Solid	3050B	
720-28003-7	BLDG 679-07	T	Solid	3050B	
720-28003-8	BLDG 679-08	T	Solid	3050B	
720-28003-9	BLDG 679-09	T	Solid	3050B	
720-28003-10	BLDG 679-10	T	Solid	3050B	
720-28003-11	BLDG 679-11	T	Solid	3050B	
720-28003-12	BLDG 679-12	T	Solid	3050B	
720-28003-13	BLDG 679-13	T	Solid	3050B	
720-28003-14	BLDG 679-14	T	Solid	3050B	
720-28003-15	BLDG 679-15	T	Solid	3050B	
720-28003-16	BLDG 679-16	T	Solid	3050B	
Analysis Batch:720-71222					
LCS 720-71170/2-A	Lab Control Sample	T	Solid	6010B	720-71170
LCSD 720-71170/3-A	Lab Control Sample Duplicate	T	Solid	6010B	720-71170
LCSSRM 720-71170/22-A	LCS-Standard Reference Material	T	Solid	6010B	720-71170
MB 720-71170/1-A	Method Blank	T	Solid	6010B	720-71170
720-28003-2	BLDG 679-02	T	Solid	6010B	720-71170
720-28003-3	BLDG 679-03	T	Solid	6010B	720-71170
720-28003-4	BLDG 679-04	T	Solid	6010B	720-71170
720-28003-5	BLDG 679-05	T	Solid	6010B	720-71170
720-28003-6	BLDG 679-06	T	Solid	6010B	720-71170
720-28003-7	BLDG 679-07	T	Solid	6010B	720-71170
720-28003-9	BLDG 679-09	T	Solid	6010B	720-71170
720-28003-10	BLDG 679-10	T	Solid	6010B	720-71170
720-28003-11	BLDG 679-11	T	Solid	6010B	720-71170
720-28003-12	BLDG 679-12	T	Solid	6010B	720-71170
720-28003-13	BLDG 679-13	T	Solid	6010B	720-71170
720-28003-14	BLDG 679-14	T	Solid	6010B	720-71170
720-28003-15	BLDG 679-15	T	Solid	6010B	720-71170
720-28003-16	BLDG 679-16	T	Solid	6010B	720-71170

Client: ERRG

Job Number: 720-28003-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:720-71256					
720-28003-1	BLDG 679-01	T	Solid	6010B	720-71170
720-28003-1MS	Matrix Spike	T	Solid	6010B	720-71170
720-28003-1MSD	Matrix Spike Duplicate	T	Solid	6010B	720-71170
720-28003-8	BLDG 679-08	T	Solid	6010B	720-71170

Report Basis

T = Total

Client: ERRG

Job Number: 720-28003-1

Method Blank - Batch: 720-71170

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 720-71170/1-A	Analysis Batch:	720-71222	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71170	Lab File ID:	05111006.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	05/11/2010 1820			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

Analyte	Result	Qual	RL
Lead	ND		0.50

LCS-Standard Reference Material - Batch: 720-71170

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM 720-71170/22-A	Analysis Batch:	720-71222	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71170	Lab File ID:	05111006.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.02 g
Date Analyzed:	05/11/2010 2018			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1357				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	44.1	37.2	84	62 - 113	

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-71170

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 720-71170/2-A	Analysis Batch:	720-71222	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71170	Lab File ID:	05111006.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	05/11/2010 1825			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

LCSD Lab Sample ID:	LCSD 720-71170/3-A	Analysis Batch:	720-71222	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71170	Lab File ID:	05111006.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	05/11/2010 1828			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Lead	100	98	80 - 120	2	20		

Client: ERRG

Job Number: 720-28003-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-71170

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	720-28003-1	Analysis Batch:	720-71256	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71170	Lab File ID:	05121003.txt
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	05/12/2010 1416			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

MSD Lab Sample ID:	720-28003-1	Analysis Batch:	720-71256	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71170	Lab File ID:	05121003.txt
Dilution:	4.0			Initial Weight/Volume:	0.97 g
Date Analyzed:	05/12/2010 1420			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2010 1355				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	82	84	75 - 125	5	20		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

720-28003

Reference #: 124388

Date 5.11.10 Page 1 of 2

Report To

Attn: Heidi Nelkie
Company: ERRG
Address: 115 Sansome, Suite 200, SF
Phone: 415.848.7108 Email: heidi.nelkie@errg.com
Bill To: Acct. Martinez
Sampled By: Heidi Nelkie
Attn:
Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	TPH EPA - ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					Number of Containers
Bldg 679-01	5.10.10		soil	ice																					1
Bldg 679-02																									
Bldg 679-03																									
Bldg 679-04																									
Bldg 679-05																									
Bldg 679-06																									
Bldg 679-07																									
Bldg 679-08																									
Bldg 679-09																									
Bldg 679-10																									

RUSH

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Project Info.

Project Name: Bldg 679
Project#: 2010-065
PO#:
Credit Card#:

Sample Receipt

of Containers: 16 total
Head Space:
Temp: 4.2°C
Conforms to record:

TAT: 5 Day | 3 Day | 2 Day | ~~1 Day~~
Other:

Report: ☒ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank
Fund EDF

Special Instructions / Comments: ☐ Global ID ___

Please e-mail if any questions / issues

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 0900	Signature: [signature] Time: 1205	Signature: Time:
Printed Name: Heidi Nelkie Date: 5.11.10	Printed Name: Bryan Thomas Date: 5/11/10	Printed Name: Date:
Company: ERRG	Company: TestAmerica	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 1050	Signature: [signature] Time: 1205	Signature: Time:
Printed Name: Bryan Thomas Date: 5/11/10	Printed Name: Mullen Date: 5-11-10	Printed Name: Date:
Company: TestAmerica	Company: TestAmerica	Company:

Rev09/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

720-28003

Reference #: 124388

Date 5.11.10 Page 2 of 2

Report To

Attn: Heidi Nelkie
Company: ERRG
Address: 115 Sansome, Suite 200, SF
Phone: 415.848.7108 Email: heidi.nelkie@errg.com
Bill To: Acct. Martinez
Sampled By: Heidi Nelkie
Attn:
Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH EPA - ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☒ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___ ☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					Number of Containers
Bldg 679-11	5.10.10		soil	ice											↓										
Bldg 679-12	↓		↓	↓																					
Bldg 679-13																									
Bldg 679-14																									
Bldg 679-15																									
Bldg 679-16	↓		↓	↓																					

RUSH

Page 29 of 30

Project Info.

Project Name: Bldg 679
Project#: 2010-065
PO#:
Credit Card#:

Sample Receipt

of Containers: 16 total
Head Space:
Temp: 4.2°C
Conforms to record:

TAT: 5 Day | 3 Day | 2 Day | ~~1 Day~~
Other:

Report: ☒ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID ___

Please e-mail if any questions / issues

See Terms and Conditions on reverse

*TestAmerica SF reports 8015M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 0900	Signature: [signature] Time: 1205	Signature: Time:
Printed Name: Heidi Nelkie Date: 5.11.10	Printed Name: Bryan Thomas Date: 5/11/10	Printed Name: Date:
Company: ERRG	Company: TestAmerica	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 1050	Signature: [signature] Time: 1205	Signature: Time:
Printed Name: Bryan Thomas Date: 5/11/10	Printed Name: Mullen Date: 5-11-10	Printed Name: Date:
Company: TestAmerica	Company: TestAmerica	Company:

Rev09/09

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-28003-1

Login Number: 28003

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 720-27935-3

Job Description: Bldg 679

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Heidi Nelkie

Approved for release.
Dimple Sharma
Project Manager I
5/18/2010 3:57 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
05/18/2010

CA ELAP Certification # 2496
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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-27935-3

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 71522 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-27935-3

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-27935-1	**BLDG 679- WASTE**					
Antimony		2.0		1.9	mg/Kg	6010B
Barium		130		1.9	mg/Kg	6010B
Chromium		33		1.9	mg/Kg	6010B
Cobalt		20		0.77	mg/Kg	6010B
Copper		120		5.8	mg/Kg	6010B
Lead		74		1.9	mg/Kg	6010B
Nickel		30		1.9	mg/Kg	6010B
Vanadium		130		1.9	mg/Kg	6010B
Zinc		130		5.8	mg/Kg	6010B
Mercury		0.70		0.19	mg/Kg	7471A
STLC Citrate						
Barium		4.6	B	0.050	mg/L	6010B
Cobalt		0.78		0.020	mg/L	6010B
Copper		2.0		0.20	mg/L	6010B
Lead		0.53		0.050	mg/L	6010B
Nickel		0.37		0.10	mg/L	6010B
Vanadium		0.93		0.10	mg/L	6010B
Zinc		2.2		0.20	mg/L	6010B

METHOD SUMMARY

Client: ERRG

Job Number: 720-27935-3

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SF	SW846 6010B	
California - Waste Extraction Test with Citrate Leach	TAL SF		CA-WET CA WET Citrate
Preparation, Total Recoverable or Dissolved Metals	TAL SF		SW846 3005A
Preparation, Metals	TAL SF		SW846 3050B
Mercury (CVAA)	TAL SF	SW846 7471A	
Preparation, Mercury	TAL SF		SW846 7471A

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

CA-WET = California Waste Extraction Test, from Title 22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-27935-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-27935-1	Bldg 679- Waste	Solid	05/06/2010 1400	05/06/2010 1910

Client: ERRG

Job Number: 720-27935-3

Client Sample ID: **Bldg 679- Waste**

Lab Sample ID: 720-27935-1

Client Matrix: Solid

Date Sampled: 05/06/2010 1400

Date Received: 05/06/2010 1910

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-71522		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-71421		Lab File ID:	05171001.txt
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	05/17/2010 1150			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1313				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		2.0		1.9
Arsenic		ND		3.8
Barium		130		1.9
Beryllium		ND		0.38
Cadmium		ND		0.48
Chromium		33		1.9
Cobalt		20		0.77
Copper		120		5.8
Lead		74		1.9
Molybdenum		ND		1.9
Nickel		30		1.9
Selenium		ND		3.8
Silver		ND		0.96
Thallium		ND		1.9
Vanadium		130		1.9
Zinc		130		5.8

6010B Metals (ICP)-STLC Citrate

Method:	6010B	Analysis Batch: 720-71606		Instrument ID:	Thermo ICP2
Preparation:	3005A	Prep Batch: 720-71524		Lab File ID:	05171004a.txt
Dilution:	1.0	Leachate Batch: 720-71445		Initial Weight/Volume:	4 mL
Date Analyzed:	05/17/2010 2013			Final Weight/Volume:	40 mL
Date Prepared:	05/17/2010 1212				
Date Leached:	05/14/2010 1805				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Antimony		ND		0.10
Arsenic		ND		0.10
Barium		4.6	B	0.050
Beryllium		ND		0.020
Cadmium		ND		0.020
Chromium		ND		0.10
Cobalt		0.78		0.020
Copper		2.0		0.20
Lead		0.53		0.050
Molybdenum		ND		0.10
Nickel		0.37		0.10
Selenium		ND		0.20
Silver		ND		0.020
Thallium		ND		0.10
Vanadium		0.93		0.10
Zinc		2.2		0.20

Client: ERRG

Job Number: 720-27935-3

Client Sample ID: **Bldg 679- Waste**

Lab Sample ID: 720-27935-1

Client Matrix: Solid

Date Sampled: 05/06/2010 1400

Date Received: 05/06/2010 1910

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 720-71437		Instrument ID:	LL_HG Analyzer
Preparation:	7471A	Prep Batch: 720-71409		Lab File ID:	S051410B.PRN
Dilution:	20			Initial Weight/Volume:	0.63 g
Date Analyzed:	05/14/2010 1611			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1116				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.70		0.19

DATA REPORTING QUALIFIERS

Client: ERRG

Job Number: 720-27935-3

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits

Client: ERRG

Job Number: 720-27935-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-71083					
720-27925-A-1-J MS	Matrix Spike	C	Solid	CA WET Citrate	
720-27925-A-1-K MSD	Matrix Spike Duplicate	C	Solid	CA WET Citrate	
Prep Batch: 720-71409					
LCS 720-71409/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 720-71409/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 720-71409/1-A	Method Blank	T	Solid	7471A	
720-27909-A-1-N MS	Matrix Spike	T	Solid	7471A	
720-27909-A-1-O MSD	Matrix Spike Duplicate	T	Solid	7471A	
720-27935-1	Bldg 679- Waste	T	Solid	7471A	
Prep Batch: 720-71421					
LCS 720-71421/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 720-71421/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 720-71421/1-A	Method Blank	T	Solid	3050B	
720-27935-1	Bldg 679- Waste	T	Solid	3050B	
720-27935-1MS	Matrix Spike	T	Solid	3050B	
720-27935-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:720-71437					
LCS 720-71409/2-A	Lab Control Sample	T	Solid	7471A	720-71409
LCSD 720-71409/3-A	Lab Control Sample Duplicate	T	Solid	7471A	720-71409
MB 720-71409/1-A	Method Blank	T	Solid	7471A	720-71409
720-27909-A-1-N MS	Matrix Spike	T	Solid	7471A	720-71409
720-27909-A-1-O MSD	Matrix Spike Duplicate	T	Solid	7471A	720-71409
720-27935-1	Bldg 679- Waste	T	Solid	7471A	720-71409
Prep Batch: 720-71445					
720-27935-1	Bldg 679- Waste	C	Solid	CA WET Citrate	
Analysis Batch:720-71500					
LCS 720-71421/2-A	Lab Control Sample	T	Solid	6010B	720-71421
LCSD 720-71421/3-A	Lab Control Sample Duplicate	T	Solid	6010B	720-71421
MB 720-71421/1-A	Method Blank	T	Solid	6010B	720-71421
Analysis Batch:720-71522					
720-27935-1	Bldg 679- Waste	T	Solid	6010B	720-71421
720-27935-1MS	Matrix Spike	T	Solid	6010B	720-71421
720-27935-1MSD	Matrix Spike Duplicate	T	Solid	6010B	720-71421

Client: ERRG

Job Number: 720-27935-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-71524					
LCS 720-71524/2-A	Lab Control Sample	R	Water	3005A	
LCSD 720-71524/3-A	Lab Control Sample Duplicate	R	Water	3005A	
720-27925-A-1-J MS	Matrix Spike	C	Solid	3005A	720-71083
720-27925-A-1-K MSD	Matrix Spike Duplicate	C	Solid	3005A	720-71083
720-27935-1	Bldg 679- Waste	C	Solid	3005A	720-71445
Analysis Batch:720-71606					
MB 720-71606/24	Method Blank	T	Water	6010B	
LCS 720-71524/2-A	Lab Control Sample	R	Water	6010B	720-71524
LCSD 720-71524/3-A	Lab Control Sample Duplicate	R	Water	6010B	720-71524
720-27925-A-1-J MS	Matrix Spike	C	Solid	6010B	720-71524
720-27925-A-1-K MSD	Matrix Spike Duplicate	C	Solid	6010B	720-71524
720-27935-1	Bldg 679- Waste	C	Solid	6010B	720-71524

Report Basis

C = STLC Citrate

R = Total Recoverable

T = Total

Client: ERRG

Job Number: 720-27935-3

Method Blank - Batch: 720-71421

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 720-71421/1-A	Analysis Batch:	720-71500	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71421	Lab File ID:	05151001.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	05/15/2010 1801			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1313				

Analyte	Result	Qual	RL
Antimony	ND		0.50
Arsenic	ND		1.0
Barium	ND		0.50
Beryllium	ND		0.10
Cadmium	ND		0.12
Chromium	ND		0.50
Cobalt	ND		0.20
Copper	ND		1.5
Lead	ND		0.50
Molybdenum	ND		0.50
Nickel	ND		0.50
Selenium	ND		1.0
Silver	ND		0.25
Thallium	ND		0.50
Vanadium	ND		0.50
Zinc	ND		1.5

Client: ERRG

Job Number: 720-27935-3

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-71421

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 720-71421/2-A	Analysis Batch:	720-71500	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71421	Lab File ID:	05151001.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	05/15/2010 1805			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1313				

LCSD Lab Sample ID:	LCSD 720-71421/3-A	Analysis Batch:	720-71500	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71421	Lab File ID:	05151001.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	05/15/2010 1809			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1313				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	94	95	80 - 120	2	20		
Arsenic	95	95	80 - 120	0	20		
Barium	100	99	80 - 120	1	20		
Beryllium	98	97	80 - 120	1	20		
Cadmium	97	96	80 - 120	0	20		
Chromium	98	98	80 - 120	0	20		
Cobalt	99	99	80 - 120	0	20		
Copper	99	99	80 - 120	0	20		
Lead	99	99	80 - 120	1	20		
Molybdenum	100	100	80 - 120	0	20		
Nickel	100	100	80 - 120	0	20		
Selenium	94	93	80 - 120	1	20		
Silver	97	97	80 - 120	0	20		
Thallium	100	100	80 - 120	0	20		
Vanadium	102	102	80 - 120	0	20		
Zinc	95	94	80 - 120	1	20		

Client: ERRG

Job Number: 720-27935-3

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-71421

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	720-27935-1	Analysis Batch:	720-71522	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71421	Lab File ID:	05171001.txt
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	05/17/2010 1142			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1313				

MSD Lab Sample ID:	720-27935-1	Analysis Batch:	720-71522	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-71421	Lab File ID:	05171001.txt
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	05/17/2010 1146			Final Weight/Volume:	50 mL
Date Prepared:	05/14/2010 1313				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	35	37	75 - 125	0	20	F	F
Arsenic	74	77	75 - 125	1	20	F	
Barium	166	177	75 - 125	1	20	F	F
Beryllium	89	89	75 - 125	4	20		
Cadmium	86	88	75 - 125	4	20		
Chromium	92	86	75 - 125	6	20		
Cobalt	88	92	75 - 125	0	20		
Copper	311	105	75 - 125	48	20	F	F
Lead	135	103	75 - 125	14	20	F	
Molybdenum	70	73	75 - 125	2	20	F	F
Nickel	83	80	75 - 125	5	20		
Selenium	69	70	75 - 125	3	20	F	F
Silver	89	89	75 - 125	4	20		
Thallium	84	84	75 - 125	4	20		
Vanadium	115	92	75 - 125	8	20		
Zinc	129	113	75 - 125	5	20	F	

Client: ERRG

Job Number: 720-27935-3

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-71524

Method: 6010B
Preparation: 3005A
Total Recoverable

LCS Lab Sample ID:	LCS 720-71524/2-A	Analysis Batch:	720-71606	Instrument ID:	Thermo ICP2
Client Matrix:	Water	Prep Batch:	720-71524	Lab File ID:	05171004a.txt
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	40 mL
Date Analyzed:	05/17/2010 1907			Final Weight/Volume:	40 mL
Date Prepared:	05/17/2010 1208				

LCSD Lab Sample ID:	LCSD 720-71524/3-A	Analysis Batch:	720-71606	Instrument ID:	Thermo ICP2
Client Matrix:	Water	Prep Batch:	720-71524	Lab File ID:	05171004a.txt
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	40 mL
Date Analyzed:	05/17/2010 1911			Final Weight/Volume:	40 mL
Date Prepared:	05/17/2010 1208				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	101	104	80 - 120	3	20		
Arsenic	102	104	80 - 120	2	20		
Barium	103	104	80 - 120	1	20		
Beryllium	103	105	80 - 120	2	20		
Cadmium	103	105	80 - 120	2	20		
Chromium	103	104	80 - 120	1	20		
Cobalt	103	105	80 - 120	2	20		
Copper	102	103	80 - 120	2	20		
Lead	104	106	80 - 120	2	20		
Molybdenum	103	105	80 - 120	3	20		
Nickel	104	106	80 - 120	2	20		
Selenium	104	105	80 - 120	2	20		
Silver	102	103	80 - 120	2	20		
Thallium	105	107	80 - 120	2	20		
Vanadium	102	103	80 - 120	2	20		
Zinc	103	105	80 - 120	2	20		

Client: ERRG

Job Number: 720-27935-3

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-71524

Method: 6010B
Preparation: 3005A
STLC Citrate

MS Lab Sample ID:	720-27925-A-1-J MS	Analysis Batch:	720-71606	Instrument ID:	Thermo ICP2
Client Matrix:	Solid	Prep Batch:	720-71524	Lab File ID:	05171004a.txt
Dilution:	1.0			Initial Weight/Volume:	4 mL
Date Analyzed:	05/17/2010 1914			Final Weight/Volume:	40 mL
Date Prepared:	05/17/2010 1208				
Date Leached:	05/10/2010 1338	Leachate Batch:	720-71083		

MSD Lab Sample ID:	720-27925-A-1-K MSD	Analysis Batch:	720-71606	Instrument ID:	Thermo ICP2
Client Matrix:	Solid	Prep Batch:	720-71524	Lab File ID:	05171004a.txt
Dilution:	1.0			Initial Weight/Volume:	4 mL
Date Analyzed:	05/17/2010 1918			Final Weight/Volume:	40 mL
Date Prepared:	05/17/2010 1208				
Date Leached:	05/10/2010 1338	Leachate Batch:	720-71083		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	105	104	75 - 125	2	20		
Arsenic	114	111	75 - 125	2	20		
Barium	105	103	75 - 125	2	20		
Beryllium	105	103	75 - 125	1	20		
Cadmium	99	98	75 - 125	1	20		
Chromium	104	104	75 - 125	1	20		
Cobalt	99	97	75 - 125	2	20		
Copper	109	107	75 - 125	2	20		
Lead	94	92	75 - 125	2	20		
Molybdenum	105	103	75 - 125	2	20		
Nickel	96	95	75 - 125	1	20		
Selenium	116	114	75 - 125	2	20		
Silver	112	110	75 - 125	2	20		
Thallium	83	83	75 - 125	1	20		
Vanadium	105	104	75 - 125	1	20		
Zinc	107	105	75 - 125	2	20		

Client: ERRG

Job Number: 720-27935-3

Method Blank - Batch: 720-71606

Method: 6010B
Preparation: N/A

Lab Sample ID: MB 720-71606/24
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 2025
Date Prepared: N/A

Analysis Batch: 720-71606
Prep Batch: N/A
Units: mg/L

Instrument ID: Thermo ICP2
Lab File ID: 05171004a.txt
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Antimony	ND		0.010
Arsenic	ND		0.010
Barium	0.0149		0.0050
Beryllium	ND		0.0020
Cadmium	ND		0.0020
Chromium	ND		0.010
Cobalt	ND		0.0020
Copper	ND		0.020
Lead	ND		0.0050
Molybdenum	ND		0.010
Nickel	ND		0.010
Selenium	ND		0.020
Silver	ND		0.0020
Thallium	ND		0.010
Vanadium	ND		0.010
Zinc	ND		0.020

Client: ERRG

Job Number: 720-27935-3

Method Blank - Batch: 720-71409

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-71409/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/14/2010 1503
Date Prepared: 05/14/2010 1116

Analysis Batch: 720-71437
Prep Batch: 720-71409
Units: mg/Kg

Instrument ID: LL_HG Analyzer
Lab File ID: S051410B.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.010

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-71409

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-71409/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/14/2010 1507
Date Prepared: 05/14/2010 1116

Analysis Batch: 720-71437
Prep Batch: 720-71409
Units: mg/Kg

Instrument ID: LL_HG Analyzer
Lab File ID: S051410B.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-71409/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/14/2010 1509
Date Prepared: 05/14/2010 1116

Analysis Batch: 720-71437
Prep Batch: 720-71409
Units: mg/Kg

Instrument ID: LL_HG Analyzer
Lab File ID: S051410B.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	105	106	80 - 120	1	20		

Client: ERRG

Job Number: 720-27935-3

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-71409

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	720-27909-A-1-N MS	Analysis Batch: 720-71437	Instrument ID: LL_HG Analyzer
Client Matrix:	Solid	Prep Batch: 720-71409	Lab File ID: S051410B.PRN
Dilution:	1.0		Initial Weight/Volume: 0.58 g
Date Analyzed:	05/14/2010 1512		Final Weight/Volume: 50 mL
Date Prepared:	05/14/2010 1116		

MSD Lab Sample ID:	720-27909-A-1-O MSD	Analysis Batch: 720-71437	Instrument ID: LL_HG Analyzer
Client Matrix:	Solid	Prep Batch: 720-71409	Lab File ID: S051410B.PRN
Dilution:	1.0		Initial Weight/Volume: 0.60 g
Date Analyzed:	05/14/2010 1515		Final Weight/Volume: 50 mL
Date Prepared:	05/14/2010 1116		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	105	111	75 - 125	3	20		

720-27935-3

Sharma, Dimple

From: Heidi Nelkie [heidi.nelkie@errg.com]
Sent: Friday, May 14, 2010 11:43 AM
To: Sharma, Dimple
Subject: Bldg 679

Hi Dimple,

Can you please provide me with rush analysis for Bldg 679-Waste-01 sample for the following:

Total metals CAM 17
And STLC.

Please let me know when those results will be available.

Thanks,

Heidi Nelkie
Engineering/Remediaton Resources Group, Inc.
415.848.7102 (O)
404.405.6196 (C)
heidi.nelkie@errg.com

RUSH

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-27935-3

Login Number: 27935

List Source: TestAmerica San Francisco

Creator: Hoang, Julie

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive Cedar Falls, IA 50613 * 800-750-2401 * Fax 319-277-2425

June 01, 2010

Client:
ENGINEERING/REMEDIATION RESOURCES GROUP, INC.
115 Sansome St., Suite 200
San Francisco, CA 94104

Attn: Heidi Nelkie

Work Order: CTE1462
Project Name: Lead Air Samples
Project Number: Lead Air Samples

Date Received: 05/28/10

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Bldg-679-02	CTE1462-01	05/25/10 14:02

Case Narrative: This cassette appeared to have been sampled backwards as dust was visible on the backside of the backup pad. The backup pad was included in the digestion and analyzed along with the filter.

Field blanks are not used in sample correction unless noted.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:

Michael K. McGee, CIH - Laboratory Director

AIHA Lab Certification Number: #101044

TestAmerica Cedar Falls
Brian C. Graettinger
Operations Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive Cedar Falls, IA 50613 * 800-750-2401 * Fax 319-277-2425

ENGINEERING/REMEDIATION RESOURCES GROUP, INC
115 Sansome St., Suite 200
San Francisco, CA 94104
Heidi Nelkie

Work Order: CTE1462
Project: Lead Air Samples
Project Number: Lead Air Samples

Received: 05/28/10
Reported: 06/01/10 13:13

ANALYTICAL REPORT

Analyte	Result		Data Qualifiers	Date Analyzed	Analyst	Method	Quant. Limit
Sample ID: CTE1462-01 (Bldg-679-02)			**Sample Air Volume: 573 L**		**Sampled: 05/25/10 14:02**		
Lead	<2.50ug/filter	<4.36 ug/m3		5/28/2010	bjw	NIOSH 7300M	2.50

ERRG
Engineering / Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, CA 94104
Phone: (415) 395-9974
Fax: : (415) 395-9983

Report to

Lab No.
Address

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Heidi Nelkie	California EDF Report? ☐ Yes ☒ No
Laboratory: Test America	Navy EDD Report? ☐ Yes ☒ No
Phone No.: 404.405.6196 / Fax No.:	Electronic Deliverables To (Email Address): heidi.nelkie@errg.com
Project Number: 2010-065 / Phase # / Task # 03 ~~02~~ . 01	Sampler: Heidi Nelkie
Project Name: Fort Baker Bldg 679	Project Address:
Project Manager: Heidi Nelkie	

	Sample Designation	Sampling Date	Sampling Time	Container: Lead	Matrix: Soil	Matrix: Water	Matrix: Cassette	Analysis Request: Lead	12 hr/24 hr/48 hr/72 hr/STD (1 wk) TAT	Number of Containers	Comments	For Lab Use Only
1.	Bldg-679-02	5.25.10	1402	X				X	X	1		
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												

Relinquished by:	Date	Time	Received by:
Heidi Nelkie	5.25.10	1530	Connie Holst 5-28-10 9:20
	05-27-10		
	5/27/10	1030	

Received by Laboratory:

Remarks: Initial calibration 1.185 L
Final calibration 1.196 L
Total time 481 min.
20.0°C

Bill to: Engineering / Remediation Resources Group, Inc.
4005 Pacheco Blvd., Suite 200
Martinez, CA 94553

Client Information

Engineering/Remediation Resources Group, Inc.-SF **1363928**

Project Manager: **Denise Harrington** 5/27/2010

115 Sansome Street, Suite 200 **Phone:(415) 395-9974**
San Francisco, CA 94104 **Fax:(415) 395-9983**

Contact Name	Phone	Fax	E-Mail
Heidi Nelkie			heidi.nelkie@errg.com

Reporting info

Client Information

Engineering/Remediation Resources Group, Inc. **429967**

Project Manager: **Denise Harrington** 5/27/2010

4585 Pacheco Blvd **Phone:(925) 969-0750**
Martinez, CA 94553-2233 **Fax:(925) 969-0751**

Contact Name	Phone	Fax	E-Mail
Luxy Martin	925-726-2263		luxy.martin@errg.com
Chris Mai	925-969-0750		chris.mai@errg.com
Accounts Payable			

Invoicing info

10-9-08 changed address per 10-3-08 address change report. dg

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

IH Sample Receipt Form

Client: ERRG Project: _____

City: _____

Date: 5-28-10 Receiver's Initials: CH Time (Delivered): 9:20

COC Completed Correctly? [X] Yes [ ] No
(Cite inconsistencies below)

Sample Checklist (Check indicates conformance failure)

	Received Broken		Information Missing
	Improper Media		Missing Sample
	Missing Label		Sample Past Hold Date
	Temperature		Extra Sample
	COC Discrepancy		Insufficient Sample Volume
	Other:		

Couriers

[ ] UPS	[ ] TA Courier
[✓] FedEx	[ ] TA Field Services
[ ] FedEx Ground	[ ] Client
[ ] USPS	[ ] Other
[ ] Spee-Dee	

[✓] Samples Not Received in a Cooler
[✓] Temperature Not Taken

Reviewed By SL **Date** 5/28/10

Comments in Fed Ex Box
SL

Remarks/Action Taken: **Initial/Date:**

MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (EPA 7420)

1004
Melissa Boronda
ERRG
4585 Pacheco Boulevard
Martinez, CA 94553

PROJECT:

FT BAKER
B/ 679

Micro Log In 135802
Total Samples 10
Date Sampled 03/05/2010
Date Received 03/05/2010
Date Analyzed 03/05/2010

Sample ID	Lead Concentration Weight Percent	mg/kg (ppm)	Reporting Limits
Client: B679-LBP-01 Lab: 135802-01 DARK TEAL PAINT INTERIOR	4.01%	40121	0.81 % 8,065 mg/kg
Client: B679-LBP-02 Lab: 135802-02 LIGHT TEAL PAINT INTERIOR	1.25%	12509	0.19 % 1,880 mg/kg
Client: B679-LBP-03 Lab: 135802-03 GRAY PAINT STAIRWELL	0.93%	9320	0.16 % 1,563 mg/kg
Client: B679-LBP-04 Lab: 135802-04 PEACH PAINT BEDROOM	< 0.01%	< 83	0.01 % 83 mg/kg
Client: B679-LBP-05 Lab: 135802-05 WHITE PAINT BEDROOM	< 0.01%	< 76	0.01 % 76 mg/kg

Technical Supervisor: _____ 3/6/2010 Analyst: TT
Tess Tagorda, Chemistry Supervisor Date Reported

AIHA ELLAP Accredited Laboratory, ID #101768. Samples are analyzed by Flame Atomic Absorption Spectrometry (AAS). U.S. EPA SW-846 Method 7420 is used for the instrumental analysis. Nitric acid and hydrogen peroxide digestion procedures are based on ASTM E-1645. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. This report must not be reproduced without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable.

MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (EPA 7420)

1004
Melissa Boronda
ERRG
4585 Pacheco Boulevard
Martinez, CA 94553

PROJECT:

FT BAKER
B/ 679

Micro Log In 135802
Total Samples 10
Date Sampled 03/05/2010
Date Received 03/05/2010
Date Analyzed 03/05/2010

Sample ID	Lead Concentration Weight Percent	Lead Concentration mg/kg (ppm)	Reporting Limits
Client: B679-LBP-06 Lab: 135802-06 LIGHT BLUE PAINT BEDROOM	< 0.01%	< 68	0.01 % 68 mg/kg
Client: B679-LBP-07 Lab: 135802-07 WHITE PAINT OFFICE	< 0.01%	< 75	0.01 % 75 mg/kg
Client: B679-LBP-08 Lab: 135802-08 CREAM PAINT DOWNSTAIRS BATH	< 0.01%	< 80	0.01 % 80 mg/kg
Client: B679-LBP-09 Lab: 135802-09 WHITE PAINT DOWNSTAIRS KITCHEN	0.03%	273	0.01 % 74 mg/kg
Client: B679-LBP-10 Lab: 135802-10 CREAM PAINT EXTERIOR	0.07%	708	0.01 % 65 mg/kg

Technical Supervisor: _____ 3/6/2010 Analyst: TT
Tess Tagorda, Chemistry Supervisor Date Reported

AIHA ELLAP Accredited Laboratory, ID #101768. Samples are analyzed by Flame Atomic Absorption Spectrometry (AAS). U.S. EPA SW-846 Method 7420 is used for the instrumental analysis. Nitric acid and hydrogen peroxide digestion procedures are based on ASTM E-1645. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. This report must not be reproduced without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable.

Client ID # ~~1035~~ 1024

MICRO ANALYTICAL LABORATORIES, INC.

5900 Hollis St., Suite M, Emeryville, CA 94608
(510) 653-0824 - FAX (510) 653-1361 - www.labmicro.com
Chain of Custody 8/24/2005

Log in # 135802

p __ of __

Name / Client / Address:
ERRG
4585 PACHECO BLVD
MARTINEZ CA 94553

Tel. 415-848-7113
Fax
E-mail melissa.boronda@errg.com

Project
FT BAKER
B/679

Job No.

Number of Samples	Turn-Around Time
10	72 HRS

Asbestos (TEM) AHERA Yamate II NIOSH 7402 OTHER
Asbestos PLM PCM
Lead (Specify) / **Metals** Total (TTLC) STLC TCLP
Mold (Nonculturable Fungi) Air (Spore Trap) Tape Lift Bulk
Mold (Culturable Fungi) Air (Spore Trap) Swab Bulk
Other (Specify)

Matrix Type: Air Bulk (Paint) Soil Wipe Swab Tape Lift Water Culture Medium / Correction Factor

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Wipe / Swab Sample Area
135802 1	B679-LBP-01	(INTERIOR) DARK TEAL PAINT	3/5/10	: :			
2	B679-LBP-02	(INTERIOR) LIGHT TEAL PAINT		: :			
3	B679-LBP-03	GRAY PAINT (STAIRWELL)		: :			
4	B679-LBP-04	PEACH PAINT (BEDROOM)		: :			
5	B679-LBP-05	WHITE PAINT (BEDROOM)		: :			
6	B679-LBP-06	LT BLUE PAINT (BEDROOM)		: :			
7	B679-LBP-07	WHITE PAINT (OFFICES)		: :			
8	B679-LBP-08	CREAM PAINT (DOWNSTAIRS BATH)		: :			
9	B679-LBP-09	DOWNSTAIRS WHITE PAINT (KITCHEN)		: :			
10	B679-LBP-10	CREAM PAINT (EXTERIOR)		: :			

Instructions / Comments: ☐ Fax ☒ **E-mail To:** melissa.boronda@errg.com

Sample Return: YES NO If "YES" is checked, samples will be returned to the client or archived at Micro Analytical if required.
If "NO" is checked, solid samples may be disposed of within three months (one week for liquid samples, lab suspensions, and digestates).

Sampler's Signature / Name KAREN WILLING

Note to Lab: If any samples are not acceptable, record reasons for rejection.

Relinquished By	Date / Time	Drop Box / Courier	Received By	Date / Time
	3/5/10 1119		Kuo Sacker	3/5/2010 1019AM

ANALYTICAL REPORT

Job Number: 720-28685-2

Job Description: Protech Bldg 679

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Ms. Melanie Enman

Approved for release.
Dimple Sharma
Project Manager I
6/28/2010 9:28 AM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
06/28/2010

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-28685-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-28685-9	**FB679-S (COMP 4:1)**				
Arsenic		1.0	0.95	mg/Kg	6010B
Barium		63	0.48	mg/Kg	6010B
Cadmium		0.33	0.12	mg/Kg	6010B
Chromium		26	0.48	mg/Kg	6010B
Lead		18	0.48	mg/Kg	6010B
Silver		0.29	0.24	mg/Kg	6010B
Mercury		0.72	0.20	mg/Kg	7471A

METHOD SUMMARY

Client: ERRG

Job Number: 720-28685-2

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B
Mercury (CVAA)	TAL SF	SW846 7471A	
Preparation, Mercury	TAL SF		SW846 7471A

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-28685-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-28685-9	FB679-S (COMP 4:1)	Solid	06/11/2010 0750	06/11/2010 1535

Client: ERRG

Job Number: 720-28685-2

Client Sample ID: **FB679-S (COMP 4:1)**

Lab Sample ID: 720-28685-9

Client Matrix: Solid

Date Sampled: 06/11/2010 0750

Date Received: 06/11/2010 1535

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-73745		Instrument ID:	Thermo ICP2
Preparation:	3050B	Prep Batch: 720-73590		Lab File ID:	06251008.txt
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/25/2010 2108			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2010 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		1.0		0.95
Barium		63		0.48
Cadmium		0.33		0.12
Chromium		26		0.48
Lead		18		0.48
Selenium		ND		0.95
Silver		0.29		0.24

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 720-73618		Instrument ID:	LL_HG Analyzer
Preparation:	7471A	Prep Batch: 720-73586		Lab File ID:	S062310C.PRN
Dilution:	20			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/23/2010 1638			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2010 0934				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.72		0.20

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: ERRG

Job Number: 720-28685-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-73586					
LCS 720-73586/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 720-73586/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 720-73586/1-A	Method Blank	T	Solid	7471A	
720-28685-9	FB679-S (COMP 4:1)	T	Solid	7471A	
Prep Batch: 720-73590					
LCS 720-73590/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 720-73590/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 720-73590/14-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-73590/1-A	Method Blank	T	Solid	3050B	
720-28685-9	FB679-S (COMP 4:1)	T	Solid	3050B	
Analysis Batch:720-73618					
LCS 720-73586/2-A	Lab Control Sample	T	Solid	7471A	720-73586
LCSD 720-73586/3-A	Lab Control Sample Duplicate	T	Solid	7471A	720-73586
MB 720-73586/1-A	Method Blank	T	Solid	7471A	720-73586
720-28685-9	FB679-S (COMP 4:1)	T	Solid	7471A	720-73586
Analysis Batch:720-73745					
LCS 720-73590/2-A	Lab Control Sample	T	Solid	6010B	720-73590
LCSD 720-73590/3-A	Lab Control Sample Duplicate	T	Solid	6010B	720-73590
LCSSRM 720-73590/14-A	LCS-Standard Reference Material	T	Solid	6010B	720-73590
MB 720-73590/1-A	Method Blank	T	Solid	6010B	720-73590
720-28685-9	FB679-S (COMP 4:1)	T	Solid	6010B	720-73590

Report Basis

T = Total

Client: ERRG

Job Number: 720-28685-2

Method Blank - Batch: 720-73590

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 720-73590/1-A	Analysis Batch:	720-73745	Instrument ID:	Thermo ICP2
Client Matrix:	Solid	Prep Batch:	720-73590	Lab File ID:	06251008.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.95 g
Date Analyzed:	06/25/2010 2035			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2010 0958				

Analyte	Result	Qual	RL
Arsenic	ND		1.1
Barium	ND		0.53
Cadmium	ND		0.13
Chromium	ND		0.53
Lead	ND		0.53
Selenium	ND		1.1
Silver	ND		0.26

LCS-Standard Reference Material - Batch: 720-73590

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM 720-73590/14-A	Analysis Batch:	720-73745	Instrument ID:	Thermo ICP2
Client Matrix:	Solid	Prep Batch:	720-73590	Lab File ID:	06251008.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.02 g
Date Analyzed:	06/25/2010 2132			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2010 1020				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	22.7	19.9	88	69 - 119	
Barium	145	134	92	61 - 117	
Cadmium	42.2	36.4	86	67 - 118	
Chromium	246	209	85	67 - 121	
Lead	44.1	36.7	83	62 - 113	
Selenium	165	137	83	63 - 126	
Silver	79.5	78.7	99	51 - 130	

Client: ERRG

Job Number: 720-28685-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73590

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 720-73590/2-A	Analysis Batch:	720-73745	Instrument ID:	Thermo ICP2
Client Matrix:	Solid	Prep Batch:	720-73590	Lab File ID:	06251008.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.98 g
Date Analyzed:	06/25/2010 2038			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2010 0958				

LCSD Lab Sample ID:	LCSD 720-73590/3-A	Analysis Batch:	720-73745	Instrument ID:	Thermo ICP2
Client Matrix:	Solid	Prep Batch:	720-73590	Lab File ID:	06251008.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.99 g
Date Analyzed:	06/25/2010 2042			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2010 0958				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	91	91	80 - 120	0	20		
Barium	100	100	80 - 120	1	20		
Cadmium	92	92	80 - 120	1	20		
Chromium	92	92	80 - 120	1	20		
Lead	96	96	80 - 120	1	20		
Selenium	86	86	80 - 120	1	20		
Silver	100	100	80 - 120	1	20		

Client: ERRG

Job Number: 720-28685-2

Method Blank - Batch: 720-73586

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-73586/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2010 1548
Date Prepared: 06/23/2010 0934

Analysis Batch: 720-73618
Prep Batch: 720-73586
Units: mg/Kg

Instrument ID: LL_HG Analyzer
Lab File ID: S062310C.PRN
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.0095

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73586

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-73586/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2010 1551
Date Prepared: 06/23/2010 0934

Analysis Batch: 720-73618
Prep Batch: 720-73586
Units: mg/Kg

Instrument ID: LL_HG Analyzer
Lab File ID: S062310C.PRN
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-73586/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2010 1553
Date Prepared: 06/23/2010 0934

Analysis Batch: 720-73618
Prep Batch: 720-73586
Units: mg/Kg

Instrument ID: LL_HG Analyzer
Lab File ID: S062310C.PRN
Initial Weight/Volume: 0.59 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	110	109	80 - 120	2	20		

720-28685-2

Sharma, Dimple

From: Christine Wang [christine.wang@errg.com]
Sent: Tuesday, June 22, 2010 10:47 AM
To: Sharma, Dimple
Subject: Job number 720-28685-1: additional test

Hi Dimple,

Can you run a RCRA 8 metals test on sample # 720-28685-9 (our sample ID was FB679-S), comp 4:1? Standard TAT is fine. Thanks a lot!

Christine Wang

Engineering/Remediation Resources Group, Inc. (ERRG)
115 Sansome Street, Suite 200
San Francisco, CA 94104
Direct: 415.848.7116 | Mobile: 925.286.0529
christine.wang@errg.com

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-28685-2

Login Number: 28685

List Source: TestAmerica San Francisco

Creator: Fuller, Danielle

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 720-28671-1

Job Description: Protech Bldg 679

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Ms. Melanie Enman

Approved for release.
Dimple Sharma
Project Manager I
6/17/2010 4:03 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
06/17/2010

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-28671-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: There is no ms/msd. All are encore samples.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8015B: The continuing calibration verification (CCV) for C24-C36 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015B: Due to the high concentration of 72994, the matrix spike / matrix spike duplicate (MS/MSD) for batch C10-C28 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 73086 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 73257 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-28671-1

Lab Sample ID	Client Sample ID	Analyte	Result / Qualifier	Reporting Limit	Units	Method
720-28671-1	**FB679-01**					
		Barium	140	1.9	mg/Kg	6010B
		Chromium	93	1.9	mg/Kg	6010B
		Cobalt	29	0.78	mg/Kg	6010B
		Copper	42	5.8	mg/Kg	6010B
		Lead	5.7	1.9	mg/Kg	6010B
		Nickel	40	1.9	mg/Kg	6010B
		Thallium	2.4	1.9	mg/Kg	6010B
		Vanadium	250	1.9	mg/Kg	6010B
		Zinc	81	5.8	mg/Kg	6010B
		Mercury	0.22	0.20	mg/Kg	7471A
720-28671-2	**FB679-02**					
		Diesel Range Organics [C10-C28]	5.0	1.0	mg/Kg	8015B
720-28671-3	**FB679-03**					
		Diesel Range Organics [C10-C28]	23	0.99	mg/Kg	8015B
		Motor Oil Range Organics [C24-C36]	110	50	mg/Kg	8015B
720-28671-4	**FB679-04**					
		Diesel Range Organics [C10-C28]	5.8	0.99	mg/Kg	8015B
720-28671-5	**FB679-05**					
		Diesel Range Organics [C10-C28]	78	4.9	mg/Kg	8015B
		Motor Oil Range Organics [C24-C36]	280	250	mg/Kg	8015B
720-28671-6	**FB679-06**					
		Diesel Range Organics [C10-C28]	1400	40	mg/Kg	8015B
		Motor Oil Range Organics [C24-C36]	3200	2000	mg/Kg	8015B
720-28671-7	**FB679-07**					
		Diesel Range Organics [C10-C28]	1.0	1.0	mg/Kg	8015B

METHOD SUMMARY

Client: ERRG

Job Number: 720-28671-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Closed System Purge and Trap	TAL SF		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B
Mercury (CVAA)	TAL SF	SW846 7471A	
Preparation, Mercury	TAL SF		SW846 7471A

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-28671-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-28671-1	FB679-01	Solid	06/10/2010 1125	06/10/2010 1938
720-28671-2	FB679-02	Solid	06/10/2010 1135	06/10/2010 1938
720-28671-3	FB679-03	Solid	06/10/2010 1235	06/10/2010 1938
720-28671-4	FB679-04	Solid	06/10/2010 1255	06/10/2010 1938
720-28671-5	FB679-05	Solid	06/10/2010 1320	06/10/2010 1938
720-28671-6	FB679-06	Solid	06/10/2010 1345	06/10/2010 1938
720-28671-7	FB679-07	Solid	06/10/2010 1420	06/10/2010 1938

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-01**

Lab Sample ID: 720-28671-1

Client Matrix: Solid

Date Sampled: 06/10/2010 1125

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73039		Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73047		Lab File ID:	28671-A-1 6-12-2010
Dilution:	1.0			Initial Weight/Volume:	6.01 g
Date Analyzed:	06/12/2010 1313			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.2
Ethylbenzene		ND		4.2
Toluene		ND		4.2
Xylenes, Total		ND		8.3
Gasoline Range Organics (GRO)-C5-C12		ND		210

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	79		64 - 108
1,2-Dichloroethane-d4 (Surr)	115		73 - 140
Toluene-d8 (Surr)	98		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-02**

Lab Sample ID: 720-28671-2

Client Matrix: Solid

Date Sampled: 06/10/2010 1135

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73039		Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73047		Lab File ID:	28671-A-2 6-12-2010
Dilution:	1.0			Initial Weight/Volume:	5.47 g
Date Analyzed:	06/12/2010 1358			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.6
Ethylbenzene		ND		4.6
Toluene		ND		4.6
Xylenes, Total		ND		9.1
Gasoline Range Organics (GRO)-C5-C12		ND		230

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		64 - 108
1,2-Dichloroethane-d4 (Surr)	120		73 - 140
Toluene-d8 (Surr)	96		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-03**

Lab Sample ID: 720-28671-3

Client Matrix: Solid

Date Sampled: 06/10/2010 1235

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73039	Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73047	Lab File ID:	28671-A-3 6-12-2010
Dilution:	1.0		Initial Weight/Volume:	5.19 g
Date Analyzed:	06/12/2010 1424		Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900			

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.8
Ethylbenzene		ND		4.8
Toluene		ND		4.8
Xylenes, Total		ND		9.6
Gasoline Range Organics (GRO)-C5-C12		ND		240

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		64 - 108
1,2-Dichloroethane-d4 (Surr)	110		73 - 140
Toluene-d8 (Surr)	93		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-04**

Lab Sample ID: 720-28671-4

Client Matrix: Solid

Date Sampled: 06/10/2010 1255

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73039		Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73047		Lab File ID:	28671-A-4 6-12-2010
Dilution:	1.0			Initial Weight/Volume:	3.88 g
Date Analyzed:	06/12/2010 1450			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		6.4
Ethylbenzene		ND		6.4
Toluene		ND		6.4
Xylenes, Total		ND		13
Gasoline Range Organics (GRO)-C5-C12		ND		320

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		64 - 108
1,2-Dichloroethane-d4 (Surr)	109		73 - 140
Toluene-d8 (Surr)	89		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-05**

Lab Sample ID: 720-28671-5

Client Matrix: Solid

Date Sampled: 06/10/2010 1320

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73039		Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73047		Lab File ID:	28671-A-5 6-12-2010
Dilution:	1.0			Initial Weight/Volume:	4.23 g
Date Analyzed:	06/12/2010 1516			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		5.9
Ethylbenzene		ND		5.9
Toluene		ND		5.9
Xylenes, Total		ND		12
Gasoline Range Organics (GRO)-C5-C12		ND		300

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		64 - 108
1,2-Dichloroethane-d4 (Surr)	114		73 - 140
Toluene-d8 (Surr)	86		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-06**

Lab Sample ID: 720-28671-6

Client Matrix: Solid

Date Sampled: 06/10/2010 1345

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73102		Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73117		Lab File ID:	28671-B-6 6-15-2010
Dilution:	1.0			Initial Weight/Volume:	4.35 g
Date Analyzed:	06/15/2010 0211			Final Weight/Volume:	10 mL
Date Prepared:	06/14/2010 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		5.7
Ethylbenzene		ND		5.7
Toluene		ND		5.7
Xylenes, Total		ND		11
Gasoline Range Organics (GRO)-C5-C12		ND		290

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	79		64 - 108
1,2-Dichloroethane-d4 (Surr)	126		73 - 140
Toluene-d8 (Surr)	88		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-07**

Lab Sample ID: 720-28671-7

Client Matrix: Solid

Date Sampled: 06/10/2010 1420

Date Received: 06/10/2010 1938

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-73039	Instrument ID:	SAT 3900A
Preparation:	5035	Prep Batch: 720-73047	Lab File ID:	28671-A-7 6-12-2010
Dilution:	1.0		Initial Weight/Volume:	4.72 g
Date Analyzed:	06/12/2010 1610		Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900			

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		5.3
Ethylbenzene		ND		5.3
Toluene		ND		5.3
Xylenes, Total		ND		11
Gasoline Range Organics (GRO)-C5-C12		ND		260

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		64 - 108
1,2-Dichloroethane-d4 (Surr)	102		73 - 140
Toluene-d8 (Surr)	93		72 - 113

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-01**

Lab Sample ID: 720-28671-1

Client Matrix: Solid

Date Sampled: 06/10/2010 1125

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-72972		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.21 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 0043			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	91		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-02**

Lab Sample ID: 720-28671-2

Client Matrix: Solid

Date Sampled: 06/10/2010 1135

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-72972		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.13 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 0108			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.0		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	92		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-03**

Lab Sample ID: 720-28671-3

Client Matrix: Solid

Date Sampled: 06/10/2010 1235

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-73035		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.26 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 1613			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		23		0.99
Motor Oil Range Organics [C24-C36]		110		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	65		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-04**

Lab Sample ID: 720-28671-4

Client Matrix: Solid

Date Sampled: 06/10/2010 1255

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-72972		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.38 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 0133			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.8		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	89		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-05**

Lab Sample ID: 720-28671-5

Client Matrix: Solid

Date Sampled: 06/10/2010 1320

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-73034		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.38 g
Dilution:	5.0			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 1548			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		78		4.9
Motor Oil Range Organics [C24-C36]		280		250

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	79		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-06**

Lab Sample ID: 720-28671-6

Client Matrix: Solid

Date Sampled: 06/10/2010 1345

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-73034		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.35 g
Dilution:	40			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 1703			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1400		40
Motor Oil Range Organics [C24-C36]		3200		2000

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	76		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-07**

Lab Sample ID: 720-28671-7

Client Matrix: Solid

Date Sampled: 06/10/2010 1420

Date Received: 06/10/2010 1938

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-72972		Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-72994		Initial Weight/Volume:	30.02 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	06/12/2010 0158			Injection Volume:	1 uL
Date Prepared:	06/11/2010 1250			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.0		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	100		31 - 114

Client: ERRG

Job Number: 720-28671-1

Client Sample ID: **FB679-01**

Lab Sample ID: 720-28671-1

Client Matrix: Solid

Date Sampled: 06/10/2010 1125

Date Received: 06/10/2010 1938

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-73172		Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-73086		Lab File ID:	06151002.txt
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	06/15/2010 1305			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2010 1344				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.9
Arsenic		ND		3.9
Barium		140		1.9
Beryllium		ND		0.39
Cadmium		ND		0.49
Chromium		93		1.9
Cobalt		29		0.78
Copper		42		5.8
Lead		5.7		1.9
Molybdenum		ND		1.9
Nickel		40		1.9
Selenium		ND		3.9
Silver		ND		0.97
Thallium		2.4		1.9
Vanadium		250		1.9
Zinc		81		5.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 720-73257		Instrument ID:	LL_HG Analyzer
Preparation:	7471A	Prep Batch: 720-73212		Lab File ID:	S061610A.PRN
Dilution:	20			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/16/2010 1536			Final Weight/Volume:	50 mL
Date Prepared:	06/16/2010 0947				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.22		0.20

DATA REPORTING QUALIFIERS

Client: ERRG

Job Number: 720-28671-1

Lab Section	Qualifier	Description
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
Metals		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Client: ERRG

Job Number: 720-28671-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-73039					
LCS 720-73047/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-73047
LCS 720-73047/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-73047
LCSD 720-73047/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-73047
LCSD 720-73047/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-73047
MB 720-73047/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-73047
720-28671-1	FB679-01	T	Solid	8260B/CA_LUFT	720-73047
720-28671-2	FB679-02	T	Solid	8260B/CA_LUFT	720-73047
720-28671-3	FB679-03	T	Solid	8260B/CA_LUFT	720-73047
720-28671-4	FB679-04	T	Solid	8260B/CA_LUFT	720-73047
720-28671-5	FB679-05	T	Solid	8260B/CA_LUFT	720-73047
720-28671-7	FB679-07	T	Solid	8260B/CA_LUFT	720-73047
Prep Batch: 720-73047					
LCS 720-73047/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-73047/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-73047/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-73047/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-73047/1-A	Method Blank	T	Solid	5035	
720-28671-1	FB679-01	T	Solid	5035	
720-28671-2	FB679-02	T	Solid	5035	
720-28671-3	FB679-03	T	Solid	5035	
720-28671-4	FB679-04	T	Solid	5035	
720-28671-5	FB679-05	T	Solid	5035	
720-28671-7	FB679-07	T	Solid	5035	
Analysis Batch:720-73102					
LCS 720-73117/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-73117
LCS 720-73117/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-73117
LCSD 720-73117/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-73117
LCSD 720-73117/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-73117
MB 720-73117/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-73117
720-28671-6	FB679-06	T	Solid	8260B/CA_LUFT	720-73117
Prep Batch: 720-73117					
LCS 720-73117/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-73117/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-73117/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-73117/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-73117/1-A	Method Blank	T	Solid	5035	
720-28671-6	FB679-06	T	Solid	5035	

Report Basis

T = Total

Client: ERRG

Job Number: 720-28671-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-72972					
LCS 720-72994/2-A	Lab Control Sample	T	Solid	8015B	720-72994
LCSD 720-72994/3-A	Lab Control Sample Duplicate	T	Solid	8015B	720-72994
MB 720-72994/1-A	Method Blank	T	Solid	8015B	720-72994
720-28671-1	FB679-01	T	Solid	8015B	720-72994
720-28671-2	FB679-02	T	Solid	8015B	720-72994
720-28671-4	FB679-04	T	Solid	8015B	720-72994
720-28671-7	FB679-07	T	Solid	8015B	720-72994
Prep Batch: 720-72994					
LCS 720-72994/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-72994/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-72994/1-A	Method Blank	T	Solid	3550B	
720-28671-1	FB679-01	T	Solid	3550B	
720-28671-2	FB679-02	T	Solid	3550B	
720-28671-3	FB679-03	T	Solid	3550B	
720-28671-4	FB679-04	T	Solid	3550B	
720-28671-5	FB679-05	T	Solid	3550B	
720-28671-5MS	Matrix Spike	T	Solid	3550B	
720-28671-5MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-28671-6	FB679-06	T	Solid	3550B	
720-28671-7	FB679-07	T	Solid	3550B	
Analysis Batch:720-73034					
720-28671-5	FB679-05	T	Solid	8015B	720-72994
720-28671-5MS	Matrix Spike	T	Solid	8015B	720-72994
720-28671-5MSD	Matrix Spike Duplicate	T	Solid	8015B	720-72994
720-28671-6	FB679-06	T	Solid	8015B	720-72994
Analysis Batch:720-73035					
720-28671-3	FB679-03	T	Solid	8015B	720-72994

Report Basis

T = Total

Client: ERRG

Job Number: 720-28671-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-73086					
LCS 720-73086/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 720-73086/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 720-73086/1-A	Method Blank	T	Solid	3050B	
720-28671-1	FB679-01	T	Solid	3050B	
720-28671-1MS	Matrix Spike	T	Solid	3050B	
720-28671-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:720-73172					
LCS 720-73086/2-A	Lab Control Sample	T	Solid	6010B	720-73086
LCSD 720-73086/3-A	Lab Control Sample Duplicate	T	Solid	6010B	720-73086
MB 720-73086/1-A	Method Blank	T	Solid	6010B	720-73086
720-28671-1	FB679-01	T	Solid	6010B	720-73086
720-28671-1MS	Matrix Spike	T	Solid	6010B	720-73086
720-28671-1MSD	Matrix Spike Duplicate	T	Solid	6010B	720-73086
Prep Batch: 720-73212					
LCS 720-73212/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 720-73212/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 720-73212/1-A	Method Blank	T	Solid	7471A	
720-28671-1	FB679-01	T	Solid	7471A	
720-28671-1MS	Matrix Spike	T	Solid	7471A	
720-28671-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
Analysis Batch:720-73257					
LCS 720-73212/2-A	Lab Control Sample	T	Solid	7471A	720-73212
LCSD 720-73212/3-A	Lab Control Sample Duplicate	T	Solid	7471A	720-73212
MB 720-73212/1-A	Method Blank	T	Solid	7471A	720-73212
720-28671-1	FB679-01	T	Solid	7471A	720-73212
720-28671-1MS	Matrix Spike	T	Solid	7471A	720-73212
720-28671-1MSD	Matrix Spike Duplicate	T	Solid	7471A	720-73212

Report Basis

T = Total

Client: ERRG

Job Number: 720-28671-1

Method Blank - Batch: 720-73047

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID:	MB 720-73047/1-A	Analysis Batch:	720-73039	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73047	Lab File ID:	MB 6-12-2010 10;40;35 AM.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/12/2010 1040			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

Analyte	Result	Qual	RL
Benzene	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		250

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	64 - 108
1,2-Dichloroethane-d4 (Surr)	103	73 - 140
Toluene-d8 (Surr)	97	72 - 113

Client: ERRG

Job Number: 720-28671-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73047

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-73047/2-A	Analysis Batch:	720-73039	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73047	Lab File ID:	LCS 6-12-2010 11;06;10 AM.c
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/12/2010 1106			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

LCSD Lab Sample ID:	LCSD 720-73047/3-A	Analysis Batch:	720-73039	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73047	Lab File ID:	LCSD 6-12-2010 11;40;14 AM.c
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/12/2010 1140			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	95	89	82 - 124	6	20		
Ethylbenzene	100	99	80 - 137	2	20		
Toluene	100	94	83 - 128	7	20		
m-Xylene & p-Xylene	97	92	79 - 146	6	20		
o-Xylene	96	88	84 - 140	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	93	64 - 108
1,2-Dichloroethane-d4 (Surr)	97	101	73 - 140
Toluene-d8 (Surr)	95	98	72 - 113

Client: ERRG

Job Number: 720-28671-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73047

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-73047/4-A	Analysis Batch:	720-73039	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73047	Lab File ID:	LCS G 6-12-2010 12;05;56
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/12/2010 1205			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

LCSD Lab Sample ID:	LCSD 720-73047/5-A	Analysis Batch:	720-73039	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73047	Lab File ID:	LCSD G 6-12-2010 12;31;35
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/12/2010 1231			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2010 0900				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	82	93	68 - 115	14	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	64 - 108
1,2-Dichloroethane-d4 (Surr)	108	107	73 - 140
Toluene-d8 (Surr)	100	100	72 - 113

Client: ERRG

Job Number: 720-28671-1

Method Blank - Batch: 720-73117

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID:	MB 720-73117/1-A	Analysis Batch:	720-73102	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73117	Lab File ID:	MB 6-14-2010 5;22;05 PM.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/14/2010 1722			Final Weight/Volume:	10 mL
Date Prepared:	06/14/2010 1500				

Analyte	Result	Qual	RL
Benzene	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		250

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	64 - 108
1,2-Dichloroethane-d4 (Surr)	105	73 - 140
Toluene-d8 (Surr)	96	72 - 113

Client: ERRG

Job Number: 720-28671-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73117

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-73117/2-A	Analysis Batch:	720-73102	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73117	Lab File ID:	LCS 6-14-2010 5;48;28 PM.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/14/2010 1748			Final Weight/Volume:	10 mL
Date Prepared:	06/14/2010 1500				

LCSD Lab Sample ID:	LCSD 720-73117/3-A	Analysis Batch:	720-73102	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73117	Lab File ID:	LCSD 6-14-2010 6;14;43 PM.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/14/2010 1814			Final Weight/Volume:	10 mL
Date Prepared:	06/14/2010 1500				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	100	97	82 - 124	3	20		
Ethylbenzene	100	98	80 - 137	2	20		
Toluene	98	92	83 - 128	7	20		
m-Xylene & p-Xylene	93	89	79 - 146	4	20		
o-Xylene	92	89	84 - 140	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	93	94	64 - 108
1,2-Dichloroethane-d4 (Surr)	106	110	73 - 140
Toluene-d8 (Surr)	97	100	72 - 113

Client: ERRG

Job Number: 720-28671-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73117

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-73117/4-A	Analysis Batch:	720-73102	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73117	Lab File ID:	LCS G 6-14-2010 6;47;53 PM
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/14/2010 1847			Final Weight/Volume:	10 mL
Date Prepared:	06/14/2010 1500				

LCSD Lab Sample ID:	LCSD 720-73117/5-A	Analysis Batch:	720-73102	Instrument ID:	SAT 3900A
Client Matrix:	Solid	Prep Batch:	720-73117	Lab File ID:	LCSD G 6-14-2010 7;21;43 PM
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	06/14/2010 1921			Final Weight/Volume:	10 mL
Date Prepared:	06/14/2010 1500				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	86	91	68 - 115	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	95	64 - 108
1,2-Dichloroethane-d4 (Surr)	121	113	73 - 140
Toluene-d8 (Surr)	100	100	72 - 113

Client: ERRG

Job Number: 720-28671-1

Method Blank - Batch: 720-72994

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-72994/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2010 2304
Date Prepared: 06/11/2010 1250

Analysis Batch: 720-72972
Prep Batch: 720-72994
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 0611105b_039.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	96	31 - 114

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-72994

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-72994/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2010 2214
Date Prepared: 06/11/2010 1250

Analysis Batch: 720-72972
Prep Batch: 720-72994
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 0611105b_037.d
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-72994/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2010 2239
Date Prepared: 06/11/2010 1250

Analysis Batch: 720-72972
Prep Batch: 720-72994
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 0611105b_038.d
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	96	96	59 - 134	0	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	111	112	31 - 114

Client: ERRG

Job Number: 720-28671-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-72994

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-28671-5	Analysis Batch: 720-73034	Instrument ID: CHDRO5
Client Matrix:	Solid	Prep Batch: 720-72994	Lab File ID: 0612105a_019.d
Dilution:	5.0		Initial Weight/Volume: 30.36 g
Date Analyzed:	06/12/2010 1613		Final Weight/Volume: 2 mL
Date Prepared:	06/11/2010 1250		Injection Volume: 1 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	720-28671-5	Analysis Batch: 720-73034	Instrument ID: CHDRO5
Client Matrix:	Solid	Prep Batch: 720-72994	Lab File ID: 0612105a_020.d
Dilution:	10		Initial Weight/Volume: 30.31 g
Date Analyzed:	06/12/2010 1638		Final Weight/Volume: 2 mL
Date Prepared:	06/11/2010 1250		Injection Volume: 1 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	126	216	50 - 130	34	30		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	72	97	31 - 114

Client: ERRG

Job Number: 720-28671-1

Method Blank - Batch: 720-73086

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 720-73086/1-A	Analysis Batch:	720-73172	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-73086	Lab File ID:	06151002.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.02 g
Date Analyzed:	06/15/2010 1244			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2010 1344				

Analyte	Result	Qual	RL
Antimony	ND		0.49
Arsenic	ND		0.98
Barium	ND		0.49
Beryllium	ND		0.098
Cadmium	ND		0.12
Chromium	ND		0.49
Cobalt	ND		0.20
Copper	ND		1.5
Lead	ND		0.49
Molybdenum	ND		0.49
Nickel	ND		0.49
Selenium	ND		0.98
Silver	ND		0.25
Thallium	ND		0.49
Vanadium	ND		0.49
Zinc	ND		1.5

Client: ERRG

Job Number: 720-28671-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73086

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 720-73086/2-A	Analysis Batch:	720-73172	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-73086	Lab File ID:	06151002.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2010 1249			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2010 1344				

LCSD Lab Sample ID:	LCSD 720-73086/3-A	Analysis Batch:	720-73172	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-73086	Lab File ID:	06151002.txt
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2010 1252			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2010 1344				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	95	97	80 - 120	2	20		
Arsenic	104	104	80 - 120	0	20		
Barium	106	102	80 - 120	4	20		
Beryllium	110	106	80 - 120	4	20		
Cadmium	103	103	80 - 120	0	20		
Chromium	106	105	80 - 120	1	20		
Cobalt	104	104	80 - 120	0	20		
Copper	106	105	80 - 120	1	20		
Lead	106	106	80 - 120	0	20		
Molybdenum	104	104	80 - 120	0	20		
Nickel	105	105	80 - 120	0	20		
Selenium	102	102	80 - 120	0	20		
Silver	102	101	80 - 120	1	20		
Thallium	106	105	80 - 120	1	20		
Vanadium	103	103	80 - 120	0	20		
Zinc	103	103	80 - 120	0	20		

Client: ERRG

Job Number: 720-28671-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-73086

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	720-28671-1	Analysis Batch:	720-73172	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-73086	Lab File ID:	06151002.txt
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/15/2010 1256			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2010 1344				

MSD Lab Sample ID:	720-28671-1	Analysis Batch:	720-73172	Instrument ID:	Thermo ICP
Client Matrix:	Solid	Prep Batch:	720-73086	Lab File ID:	06151002.txt
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/15/2010 1301			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2010 1344				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	34	32	75 - 125	3	20	F	F
Arsenic	77	75	75 - 125	1	20		
Barium	137	177	75 - 125	10	20	F	F
Beryllium	137	142	75 - 125	6	20	F	F
Cadmium	102	101	75 - 125	3	20		
Chromium	101	109	75 - 125	4	20		
Cobalt	99	100	75 - 125	2	20		
Copper	122	130	75 - 125	5	20		F
Lead	106	105	75 - 125	2	20		
Molybdenum	70	69	75 - 125	2	20	F	F
Nickel	102	100	75 - 125	0	20		
Selenium	78	76	75 - 125	0	20		
Silver	125	131	75 - 125	8	20		F
Thallium	101	102	75 - 125	4	20		
Vanadium	72	114	75 - 125	7	20	4	4
Zinc	92	93	75 - 125	1	20		

Client: ERRG

Job Number: 720-28671-1

Method Blank - Batch: 720-73212

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 720-73212/1-A	Analysis Batch:	720-73257	Instrument ID:	LL_HG Analyzer
Client Matrix:	Solid	Prep Batch:	720-73212	Lab File ID:	S061610A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.63 g
Date Analyzed:	06/16/2010 1525			Final Weight/Volume:	50 mL
Date Prepared:	06/16/2010 0947				

Analyte	Result	Qual	RL
Mercury	ND		0.0095

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-73212

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCS 720-73212/2-A	Analysis Batch:	720-73257	Instrument ID:	LL_HG Analyzer
Client Matrix:	Solid	Prep Batch:	720-73212	Lab File ID:	S061610A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.59 g
Date Analyzed:	06/16/2010 1527			Final Weight/Volume:	50 mL
Date Prepared:	06/16/2010 0947				

LCSD Lab Sample ID:	LCSD 720-73212/3-A	Analysis Batch:	720-73257	Instrument ID:	LL_HG Analyzer
Client Matrix:	Solid	Prep Batch:	720-73212	Lab File ID:	S061610A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.60 g
Date Analyzed:	06/16/2010 1530			Final Weight/Volume:	50 mL
Date Prepared:	06/16/2010 0947				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	104	105	80 - 120	1	20		

Client: ERRG

Job Number: 720-28671-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-73212

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	720-28671-1	Analysis Batch:	720-73257	Instrument ID:	LL_HG Analyzer
Client Matrix:	Solid	Prep Batch:	720-73212	Lab File ID:	S061610A.PRN
Dilution:	20			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/16/2010 1532			Final Weight/Volume:	50 mL
Date Prepared:	06/16/2010 0947				

MSD Lab Sample ID:	720-28671-1	Analysis Batch:	720-73257	Instrument ID:	LL_HG Analyzer
Client Matrix:	Solid	Prep Batch:	720-73212	Lab File ID:	S061610A.PRN
Dilution:	20			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/16/2010 1534			Final Weight/Volume:	50 mL
Date Prepared:	06/16/2010 0947				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	162	128	75 - 125	20	20	F	F

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

720-28671

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 125813

Date 06/10/10 Page 1 of 1

Report To

Attn: Melanie Enman
Company: ERRG
Address:
Phone: 415.595-0717 Email: melanie-enman@erg.com
Bill To:
Sampled By: christine wang
Attn:
Phone:

Analysis Request

	Sample ID	Date	Time	Matrix	Preserv	TPH EPA - ☐ 8260B ☒ Gas w/ ☒ BTEX ☐ MTBE	TPH EPA 8015M* ☐ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM-17 Metals (EPA 6010/7470/7471) 22	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					Number of Containers
1	FB079-01	6/10/10	1125	SO	NA	✓	✓								✓												4
2	FB079-02	6/10/10	1135	SO	NA	✓	✓																				4
3	FB079-03	6/10/10	1235	SO	NA	✓	✓																				4
4	FB079-04	6/10/10	1255	SO	NA	✓	✓																				4
5	FB079-05	6/10/10	1320	SO	NA	✓	✓																				4
6	FB079-06	6/10/10	1345	SO	NA	✓	✓																				4
7	FB079-07	6/10/10	1420	SO	NA	✓	✓																				4

Project Info.

Project Name: Protech Bldg. 079
Project#: 2010-088
PO#:
Credit Card#:

Sample Receipt

of Containers: 28
Head Space:
Temp: 4.2°C
Conforms to record:

TAT: 5 Day (circled) | 3 Day | 2 Day | 1 Day
Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF
Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature / Time: 1600	Signature / Time: 738	Signature / Time:
Printed Name / Date: christine wang 06/10/10	Printed Name / Date: GATI 6-10-10	Printed Name / Date:
Company: ERRG	Company: Golder Ranch	Company:

1) Received by:	2) Received by:	3) Received by:
Signature / Time: M-Wesque 1600	Signature / Time: 1938	Signature / Time:
Printed Name / Date: 6-10-10	Printed Name / Date: Triett. 6/10/10	Printed Name / Date:
Company: Gold Ballot	Company: TASF	Company:

Rev09/09

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-28671-1

Login Number: 28671

List Source: TestAmerica San Francisco

Creator: Hoang, Julie

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Appendix C. Non-Regulated Solid Waste Manifests and Weigh Ticket

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 885978

tomer Name DenbesteTrans Denbeste Transp Carrier GEN Altamont Generic
ket Date 06/02/2010 Vehicle# 9D55619-DB122
ment Type Credit Account Container
ual Ticket# WAKEFIELD TRK01WT DB-122
ling # 0037765 License#

nifest Waf

Wire 599655CA (Class II Cover^Denbeste Trans^Golden Gate National Rec Area^599655
perator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

Time	Scale	Deputy Weighmaster	Inbound		
06/02/2010 10:24:02	Scale 3	K Brown Jr		Gross	75680 lb
06/02/2010 10:24:02		K Brown Jr		Tare	32400 lb
				Net	43280 lb
				Tons	21.64

mments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
C2 Cover RGC Tons	100	21.64	Tons				San Francis

DRIVER: _____ Total Tax _____
Total Ticket _____

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 886093

ustomer Name DenbesteTrans Denbeste Transp Carrier GEN Altamont Generic
icket Date 06/02/2010 Vehicle# 9055619-DB122
ayment Type Credit Account Container
anual Ticket# WAKEFIELD TRK01WT DB-122
illing # 0037765 License#

anifest waf
0
rofile 599655CA (Class II Cover^Denbeste Trans^Golden Gate National Rec Area^599655
enerator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

Time	Scale	Deputy Weighmaster	Inbound		
n 06/02/2010 15:06:37	Scale 3	M Pena		Gross	76720 lb
ut 06/02/2010 15:06:37		M Pena		Tare	32800 lb
				Net	43920 lb
				Tons	21.96

omments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
C2 Cover RGC-Tons-	100	21.96	Tons				San Franci

Tuy Wakefield

DRIVER: _____ Total Tax
Total Ticket

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 885367

Customer Name DenbesteTrans Denbeste Transp
Ticket Date 06/02/2010
Payment Type Credit Account
Manual Ticket#
Billing # 0037755

Carrier GEN Altamont Generic
Vehicle# 9034792-DB108
Container
U.A.N. TRUCKINGWEWT DB-105
License#

Manifest wsf
PO
Profile 599655CA (Class II Cover^Denbeste Trans^Golden Gate National Rec Area^599655
Generator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

	Time	Scale	Deputy Weighmaster	Inbound		
In	06/02/2010 09:55:16	Scale 3	K Brown Jr		Gross	75160 lb
Out	06/02/2010 09:55:16		K Brown Jr		Tare	32200 lb
					Net	42960 lb
					Tons	21.48

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	C2 Cover RCC-Tons-^100		21.48	Tons				San Franci

DRIVER: _____

Total Tax
Total Ticket

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10540 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 866038

Customer Name DenbesteTrans Denbeste Transp
Ticket Date 06/02/2010
Payment Type Credit Account
Manual Ticket#
Billing # 0037765

Carrier GEN Altamont Generic
Vehicle# 9B34792-DB108
Container
W.A.H. TRUCKINGW2WT DB-108
License#

Manifest maf
PO
Profile 5996550A (Class II Cover"Denbeste Trans"Golden Gate National Rec Area"599655
Generator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

Time	Scale	Deputy Weighmaster	Inbound		
In 06/02/2010 14:10:43	Scale 3	M Pena		Gross	76380 lb
Out06/02/2010 14:10:43		M Pena		Tare	32200 lb
				Net	44180 lb
				Tons	22.09

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	C2 Cover RGC-Tons- 100		22.09	Tons				San Franci

DRIVER: _____ Total Tax _____
Total Ticket _____

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Phn (925)453-7300

Original
Ticket# 685670

Customer Name DenbesteTrans Denbeste Transp Carrier GEN Altamont Generic
Ticket Date 06/02/2010 Vehicle# 9B92715-D8135
Payment Type Credit Account Container
Manual Ticket# W.A.M. TRUCKINGWSWID8135
Billing # 0037705 License#

Manifest waf
PO
Profile # 599655CR (Class II Cover Denbeste Trans)Golden Gate National Rec Area~599655
Generator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

Time	Scale	Deputy Weighmaster	Inbound		
In 06/02/2010 10:03:27	Scale1 In P Ratto			Gross	70600 lb
Out06/02/2010 10:03:27				Tare	30000 lb
				Net	40600 lb
				Tons	20.30

Comments

Product	LDM	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover MSC-Tons	100	33.30	Tons				San Francis

DRIVER: Ian Beck

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 886027

Customer Name DenbesteTrans Denbeste Transp
Ticket Date 06/02/2010
Payment Type Credit Account
Manual Ticket#
Billing # 0037765

Carrier GEN Altamont Generic
Vehicle# 9832715-DB135
Container
W.A.H. TRUCKINGWCWTDB135
License#

Manifest wef
PO
Profile 599655CA (Class II Cover^Denbeste Trans^Golden Gate National Rec Area^599655
Generator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

Time	Scale	Deputy Weighmaster	Inbound		
In 06/02/2010 14:34:12	Scale 3	M Pena		Gross	76480 lb
Out06/02/2010 14:34:12		M Pena		Tare	32000 lb
				Net	44480 lb
				Tons	22.24

Comments

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	C2 Cover PSC-Tons	100	22.24	Tons				San Francis

DRIVER: _____

Total Tax
Total Ticket

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RMF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 885069

Customer Name DenbesteTrans Denbeste Transp Carrier BEN Altamont Generic
Ticket Date 06/03/2010 Vehicle# 9892715-DB125
Payment Type Credit Account Container
Manual Ticket# W.A.H. TRUCKINGW3WTDB135
Billing# 0037765 License#

Manifest wmf
PO
Profile 599655CA (Class II Cover-Denbeste Trans-Golden Gate National Rec Area-599655
Generator 164-GoldenGateNationalRecreat Golden Gate National Recreation Area Building

	Time	Scale	Deputy Weighmaster	Inbound		
In	06/03/2010 05:51:13	Scale 3	P Ratto		Gross	55640 lb
Out	06/03/2010 05:51:15		P Ratto		Tare	32000 lb
					Net	23640 lb
					Tons	11.82

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 . C2 Cover RBC-Tons- 100		11.82	Tons				San Francl

23.00
19.00
427.00

DRIVER: [illegible]

Total Tax
Total Ticket 11.82
189.12

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CAR000199406	1	415-561-1912	002374

GENERATOR

5. Generator's Name and Mailing Address

National Park Service
Bldg. 201 - Fort Mason
San Francisco, CA 94123

Generator's Phone: 415-561-4065

Generator's Site Address (if different than mailing address)

Fort Baker - Building 679
Sausalito, CA 94965 USA

6. Transporter 1 Company Name: LS TK 2

U.S. EPA ID Number: KHR000143875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Pecology Hay Rd. Landfill
5426 Hay Rd
Vacaville, CA 95687

Facility's Phone: 707 678-2718

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-hazardous soil contaminated with TPH-diesel and motor oil Non-DOT regulated	1	DT	15	Y	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

Wear proper PPE when handling waste

Job # 4054
Profile # 4054

Please mail copy of manifest to:
National Park Service Tony DiStefano
Bldg. 201 Fort Mason
San Francisco, CA 94123

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Tony DiStefano | Signature: [signature] | Month 7 | Day 9 | Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kevin McGinley | Signature: [signature] | Month 7 | Day 9 | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

EIGHTEEN TRUCKING

P.O. BOX 881116
SAN FRANCISCO
CALIFORNIA 94188

(877) 422-1818 Office
(415) 552-1818
(415) 552-3130 Fax

DBE/LBE CERTIFIED

SHIPPING ORDER and FREIGHT BILL

F 277407

Day: S | M | T | W | T | ~~F~~ | S

Date: 7/19/10 20

TRUCK NO.: 353

TRAILER TYPE: 180

TYPE OF TRUCK
- ☐ ROLL OFF
- ☐ SUPER DUMP
- ☐ BOTTOMS
- ☐ 5 YRD DUMP
- ☐ FLAT BED
- ☐ SEMI END
- ☐ TEN WHEELER
- ☐ TRANSFER

SUB HAULER: B.M.T

PRIME CARRIER: 18 T&S

SHIPPER/CONTRACTOR: ERRG

POINT OF ORIGIN: Fort Baker

CITY: Sausalito CA

P.O. No./JOB #:

CONSIGNEE: Hey Rd Land Fill

DESTINATION:

CITY: Vacaville CA

MANIFEST No.:

MATERIALS				LOADING		UNLOADING	
NO.	SCALE TAG NO	YARD OR WEIGHT	TYPE OF MATERIAL	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE
1				11:00	1:45		
2							
3							
4							
5							
6							
7	@ 11:20 Loader Hydrilic Hose Problem						
8							
9	Loader repair necessary 11:20 am to 1:40 pm						
10	Chit Wy.						
11							
12							
13							
14							
15							

START: 11:02 AM | STOP: | DEDUCT TIME: CW | NET TIME: | BRIDGEFARE:

DRIVER: [signature] | RECEIVED BY X Chit Wy.

Customer responsible for (A) checking Type & quality of material before driver dumps load (B) Correct location of dumping (C) Overweight loads & court fines (D) Safe access & exit for truck (E) Firm level ground for dumping (F) Collection Charges.

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