

Quarterly Progress Report Administrative Order On Consent

**Atlantic Fleet Weapons Training Facility
Vieques Island, Puerto Rico
EPA ID # PRD980536221**

Period October 16, 2003 – January 15, 2004

Contract Task Order 031

January 30, 2004

Prepared for:

**DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES
ENGINEERING COMMAND
*Norfolk, Virginia***

Under the:

**LANTDIV CLEAN Program
Contract N62470-89-D-4814**

Prepared by:

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SECTION 2

Work Completed

Significant activities during the fourth quarter reporting period (October 16, 2003 – January 15, 2004) are summarized below.

Correspondence Related to the AFWTF Work Plan Documents

EPA requested via email on October 30, 2003 the transmittal information on the June 2003 Final Master Work Plan and Final Site Specific Work Plan and also requested the schedule for field work.

The Navy responded via voicemail indicating that on November 19, 2003, five copies of the June 2003 Final Master Work Plan and Final Site Specific Work plan were sent to the Vieques Public Library and two copies were sent to EPA San Juan office. The Navy also indicated that the field schedule was included in the last Quarterly report.

EPA letter dated September 8, 2003 requesting Closure Plan to be submitted for Open Burn/Open Detonation site at AFWTF.

U.S. Navy responded to EPA September 8th letter with a letter dated October 08, 2003 indicating the implementation of the Closure Plan will be contingent upon the development of a Explosive Safety Submission and approval of the ESS by DESB.

EPA letter dated October 3, 2003 to the U.S. Navy requesting the Navy implement the RFI work plans within 60 days of receipt of the letter and submittal of a Phase I RFI Report within 60 days of receipt of validated analytical data.

EPA letter dated October 13, 2004 requested Navy to submit Closure Plan For the Open Burn/Open Detonation site at the former Atlantic Fleet Weapons Training Facility Vieques, Puerto Rico be submitted by December 31, 2003.

Conference Call on November 25, 2003

A conference call was held on November 25, 2003 with the following people:

Tim Gordon/EPA, Danny Rodriguez/EPA, Bob Morrell/EPA, Steve Hale/EPA, Mike Glowgower/EPA, John Tomik/CH2M HILL, Marty Clasen/CH2M HILL, and Rick Gorsira/CH2M HILL.

Discussion Items:

Schedule – the field work is scheduled to begin January 5, 2004

Split Samples – EPA is planning to collect approximately 25 surface soil samples, 5 subsurface soil samples, and 5 groundwater samples.

Contact Information – The CH2M HILL field team leader is Rick Gorsira and his cell phone number is (727) 415-1377.

Action Items – Marty Clasen will email the schedule to Tim Gordon and Oscar Diaz.

Document Submittals

On November 19, 2003, five copies of the June 2003 Final Master Work Plan and Final Site Specific Work plan were sent to the Vieques Public Library and two copies were sent to EPA San Juan office.

The Draft Work Plan and Sampling and Analysis Plan for the Soil and Groundwater Background Investigation for the Former Atlantic Fleet Weapons Training Facility, Vieques, Puerto Rico was submitted to EPA, EQB, and DOI on December 11, 2003. Comments are expected to be received by the Navy in 90 days.

The Draft Closure Plan for the Open Burn Open Detonation Site located within the Live Impact Area of AFWTF was submitted to EPA, EQB and DOI on December 31, 2003. Comments are anticipated to be received from EPA by the end of March 2004.

Conference Call on December 19, 2003

A conference call was held on December 19, 2003 at 10:00 am to finalize the plans for the field investigation and split sampling. A conference call summary is attached below.

Conference call attendees:

1- Marty Clasen	CH2M Hill	813 494-6097
2- Yarissa Martínez	PREQB	787-365-8573; 787-633-2226
3- Timothy Gordon	EPA	212-637-4167
4- Felix López	FWS	787-510-5208
5- Daniel Rodríguez	EPA	787-671-9879
6- Jim Oland	FWS	787-851-7258
7- Susan Silander	FWS	787-851-7258
8- Rick	CH2M HILL	727-415-1377
9- Bob Morrell	EPA	(Staying at Martineau Bay) pending

DISCUSSION ITEMS:

- 1- Mobilization will start on January 5, 2004 with land surveying.
- 2- Bulldozing will be the first step with OE/UXO Avoidance (concurrent or at the same time).
- 3- Wells installation will be starting on Wednesday or Thursday (1/8/04)
- 4- Wells in SWMU 1 will be downgradient of landfill
- 5- If bulldozing on Refuge areas, a survey of native species should be done first -FWS Silander-
- 6- Well installation will start on Wastewater Lagoons, SWMU 10, on 1/8/04
- 7- JA Jones will be repairing some of the gates (4 inch gates of heavy steel, this will be discussed with FWS)
- 8- For explosives EPA will be using GPL Lab located in Gettysburg, Maryland
- 9- EPA will be using EPA Lab for others, with the exception of VOCs for which a private lab will be used, still not selected.
- 10- CH2M HILL still have not stated which lab(s) will be using. Will coordinate with EPA to avoid using the same lab(s).

- 11- EPA community relation people suggested we conduct "observation visits" during the field work and sampling events, but have not been able to talk to Chris Penny. Contact Ben Berry.
- 12- Marty agreed with community visits as long as they do not interfere with field work.
- 13- EPA will start oversight on the 12th and split sample collection on the 19th (MLK Holiday- if CH2M HILL commences soil sample collection) for soil sample and 26th for groundwater samples.
- 14- Due to lack of information of the (geology of the area) subsurface soil, schedule could be pushed a little bit back. Bring hard hat, steel toes shoes, safety glasses, hearing protection, sunscreen, and insect repellent.
- 15- EPA: 7 groundwater wells and 35 soil samples (10 subsurface/25 surface) plus QA/QC samples
- 16- SWMU 2 is a rock terrain, be ware! Pretty thick. Erosion Control should be taken into consideration.
- 17- A call list will be left with Marissa Diaz at FWS Office.
- 18- EPA will issue a press release on the last week of December or first week of January, plus they will call the key stakeholders.

ACTION ITEMS:

- 1- Marty will email schedule to Felix and Yarissa
- 2- CH2M Hill will mark area for Susan and FWS to evaluate for endangered and native species.
- 3- Marty will verify if FEDEX will work on January 19th.
- 4- Marty will prepare a call list and leave it at FWS office.

Field Investigation

The field investigation began on January 5, 2004. Work was conducted in SWMU 1, SWMU 2, SWMU 4, SWMU 5, SWMU 8, SWMU 10, SWMU 12, and AOC G.

January 5-9, 2004 Weekly Summary

SWMU 10

MEC avoidance was conducted along the southern berm. Gilbert Rodriguez/DOI inspected the area for potential native trees and authorized vegetation clearance. The berm was cleared with the bull dozer. Well MW-1 was drilled to a depth of 24 feet. The drilling rig radiator started leaking and was removed and taken to San Juan for repair.

AOC G

MEC avoidance was conducted around the chlorination building. Gilbert Rodriguez/DOI inspected the area for potential native trees and authorized vegetation clearance. The area around the chlorination building was cleared with the bull dozer.

SWMU 1

GPS was used to locate all 18 transects. MEC avoidance was conducted along transects 1 and 2. Gilbert Rodriguez marked trees to save along transects 1,2,3, and 4. Transects were cleared with the bull dozer. Oscar Diaz inspected the entire site on January 8, 2004 and authorized simultaneous clearing, surveying, and MEC avoidance, as long as large diameter broadleaf trees were avoided. Transects 5 through 11 were cleared with the new method. The bull dozer operator had a walkie talkie with a headset and was in constant communication with the MEC technician ahead of him and the GPS surveyor behind him to keep the bull dozer on track.

SWMU 2

The 4 fuel tanks were located with GPS. MEC avoidance was conducted in the sampling areas. DOI authorized vegetation removal. The area was cleared with the bull dozer.

January 12-16, 2004 Weekly Summary

SWMU 1

All transects were cleared (1-18) and well pads for MW-1 through MW-5 were completed. Monitoring wells MW-1 through MW-5 were installed. Well development was begun on wells MW-1 and MW-2. Site surveying was completed.

Other Items

The road to OP-1 was repaired and the road along the western perimeter was also repaired with the bull dozer. Sample kits were received from the lab and set up for soil sampling to begin on January 9th.

Navy Letter to EPA on January 14, 2004 Regarding Sampling

The Navy submitted a letter to EPA on January 14, 2004, confirming the agreement to analyze up to 28 samples for dioxin, sulfides, and cyanide. Split samples from EPA will be dependent on the available sample volume from the split spoon samplers for the subsurface sample locations.

OP-1 15,000 Gallon Diesel Fuel Tank Removal

On April 14, 2003, CH2M HILL collected split soil samples during the tank removal at OP-1. A Technical Memorandum documenting the soil sampling and laboratory results are included in Attachment A.

SECTION 3

Summary of Findings

This section provides a brief summary of RCRA corrective action related findings during the reporting period.

No new RCRA corrective action items were identified during this reporting period.

SECTION 4

Summary of Changes

This section provides brief summaries of any changes made in the corrective action program during this reporting period.

No changes were made to the RCRA Order this period during the last quarter.

SECTION 5

Community Relations Summary

Community Activities

A Technical Review Committee meeting was held on November 18, 2003 in Vieques. The meeting was for West Vieques, however, East Vieques was briefly discussed, including the pending NPL listing and possible combination of East and West Vieques and the formation of a RAB for Vieques.

SECTION 6

Problems Encountered/Response Taken

This section provides brief summaries of problems or conditions that caused a response to be made in the corrective action program.

No problems were encountered during the reporting period.

SECTION 7

Personnel Changes

This section provides information related to any personnel changes made during the period.

NO PERSONNEL CHANGES DURING LAST QUARTER

SECTION 8

Planned Work

This section provides the list of tasks planned for the next reporting period.

The following work is planned for the next reporting period:

- Field work will continue from January 16 to approximately February 13, 2004.
- Laboratory analysis will be conducted through approximately March 15th.
- Data validation will be conducted through approximately April 15th.
- Preparation of the draft Phase I RFI report will begin during the next reporting period.

Attachment A.

Technical Memorandum and Laboratory Data for Soil Sampling from OP-1 Diesel Fuel Tank Removal

Soil Sampling from Tank Removal at OP-1, Vieques East, PR

PREPARED FOR: Martin J. Clasen, PG
PREPARED BY: Erik Isern
DATE: April 22, 2003

This memorandum serves to document the soil sampling event that occurred on April 14, 2003, when Erik Isern was asked by Marty Clasen to collect split samples from the soil around the tank removed as a response to the closure of Camp Garcia, Vieques, Puerto Rico. This property will be transferred to the U.S. Department of Interior's (DOI's) Fish and Wildlife Service, as a wildlife refuge on May 1, 2003.

Introduction

The 15,000-gallon diesel fuel tank was used to supply a generator that provided power to Observation Post 1 (OP-1) which overlooks the Live Impact Area. OP-1 was used as a sighting location for Navy personnel when the ranges were in use. The DOI requested that OP-1 be dismantled and closed because of budget constraints and the risk of future vandalism due to its remote location.

Present for the event were:

- Pedro Ruiz, Naval Station Roosevelt Roads (NSRR)
- Yarissa Martínez, Puerto Rico Environmental Quality Board (PREQB)
- Eduardo Ríos, PREQB
- Gloria Toro, PREQB
- John Dormi, Cape Environmental (Cape)
- Pedro Tejada, Right Way Environmental Contractors (Right Way)
- William Gutarra, Environmental Quality Laboratories (EQ Labs)

Field Observations

In general, the soil along the walls of the pit did not show apparent signs of staining. This was to be expected since the tank was relatively new (1996) and had double containment walls. However, the crew involved in the removal observed that the pipe that connected the tank with the generator building showed to have some leaks. Upon inspection, there was a thin layer of soil that appeared darker in color. The staining was localized and relatively shallow (less than 2 feet deep).

Sampling Procedure

Six soil samples were collected at different locations around the tank and four samples were collected along the fuel line that connected the tank to the generator. Figure 1 shows the locations. Two samples were collected from the bottom of the tank and one was collected from each side of the tank. Four samples were collected along the bottom of the fuel line from the tank to the generator. Each sample was collected using a disposable, pre-cleaned plastic trowel provided by EQ Labs.

Split samples were collected in 4-ounce pre-cleaned jars for total petroleum hydrocarbons diesel range organics (TPH DRO) within the PREQB-assisted locations with Mr. Gutarra from EQ Labs. In addition, Encore samplers were utilized to collect benzene, ethylene, xylene/methyl tributyl ethylene (BTEX/MTBE). Soil samples were collected for naphthalene analysis in 8-ounce pre-cleaned jars while lead analysis were collected in 4-ounce pre-cleaned jars.

A field duplicate was collected at location 007 and matrix spike and matrix spike duplicates were collected at location 005.

Ambient and equipment blanks were collected. However, since the trowel was not used at more than one location, it was not really necessary.

Collection Method

The BTEX/MTBE samples were collected first using individual Encore samplers. The samples for TPH DRO, naphthalene, and lead were collected using a pre-cleaned plastic trowel provided by EQ Labs. Samples were collected in this manner to minimize the escape of volatiles into the environment.

Sample Shipment

The sample jars were closed and placed in sealed ziplock bags. Ice was placed in double ziplock bags and packed around the sample containers to ensure a temperature of approximately 4°C when it reached the laboratory for analysis. The sample jars and ice were placed inside double 30 gallon garbage bags to avoid leakage from the cooler. The coolers were shipped international priority over night delivery via FedEx to Progressive Environmental Laboratories (PEL) in Tampa, FL.



FIGURE 1
Sample Collection Locations

Laboratory Results

Table 1 a comparison of the results with the PREQB limits for TPH diesel range organics for the different sampling locations. Table 2 represents the results of the different parameters analyzed as required by the EPA.

TABLE 1
PREQB C criteria Comparisons for TPH-DRO

Sampling Location	Regulatory Limit (mg/kg)*	Actual Result (mg/kg)
001	100	50.1
002	100	4.3
003	100	15.6
004	100	11.4
005	100	2.0
006	100	1.6
007	100	121
008	100	976
009	100	2040
010	100	440

*Denotes PREQB Standards

TABLE-2
Additional parameters as required by the USEPA

Sampling Location	Parameter	Regulatory Limit* (mg/kg)	Actual Result (mg/kg)
001	Benzene	0.61	5.6 E-03
	Toluene	520	5.6 E-03
	Ethylbenzene	8.9	5.6 E-03
	Xylene	16,300	5.6 E-03
	MBTE	-----	5.6 E-03
	Naphthalene	5.6	3.58 E-01
	Lead	400	2.04
002	Benzene	0.61	5.3 E-03

TABLE-2
Additional parameters as required by the USEPA

Sampling Location	Parameter	Regulatory Limit* (mg/kg)	Actual Result (mg/kg)
	Toluene	520	5.1 E-03
	Ethylbenzene	8.9	5.1 E-03
	Xylene	16,300	5.1 E-03
	MBTE	-----	5.1 E-03
	Naphthalene	5.6	3.48 E-01
	Lead	400	1.79
007	Benzene	0.61	4.9 E-03
	Toluene	520	4.9 E-03
	Ethylbenzene	8.9	4.9 E-03
	Xylene	16,300	4.9 E-03
	MBTE	-----	4.9 E-03
	Naphthalene	5.6	3.52 E-01
	Lead	400	6.87
008	Benzene	0.61	5.7 E-03
	Toluene	520	5.7 E-03
	Ethylbenzene	8.9	5.7 E-03
	Xylene	16,300	1.0 E-02
	MBTE	-----	5.7 E-03
	Naphthalene	5.6	3.66 E-01
	Lead	400	4.06
009	Benzene	0.61	5.2 E-03
	Toluene	520	5.2 E-03
	Ethylbenzene	8.9	5.2 E-03
	Xylene	16,300	4.5 E-03
	MBTE	-----	5.2 E-03
	Naphthalene	5.6	7.35 E-01
	Lead	400	3.1
010	Benzene	0.61	4.9 E-03

TABLE-2
Additional parameters as required by the USEPA

Sampling Location	Parameter	Regulatory Limit* (mg/kg)	Actual Result (mg/kg)
	Toluene	520	4.9 E-03
	Ethylbenzene	8.9	4.9 E-03
	Xylene	16,300	4.9 E-03
	MBTE	-----	4.9 E-03
	Naphthalene	5.6	3.51 E-01
	Lead	400	2.96

* Denotes Residential PRGs, EPA Region IX

From the above tables, none of the soil samples collected exceeded the established EPA PRG criteria for BTEX/MBTE, Naphthalene, and lead. However, TPH-DRO exceedances were encountered at locations 7, 8, 9, and 10. These findings suggest that a break in the line from the tank to the generator building did exist and may merit further soil removal at this location.

APPENDIX A
Photos



Photo 1 – Location of Soil Sample Collection Point 1 on the North end of the tank along the bottom.



Photo 2 – Location of Soil Sample Collection Point 2 on the South end of Tank along the bottom.



Photo 3 – Location of Soil Sample Collection Point 3 on the South wall.



Photo 4 – Location of Soil Sample Collection Point 4 on the East wall.



Photo 5 – Location of Soil Sample Collection Point 5 on the North side of the tank along the wall. A ramp was constructed to provide access to the pit.



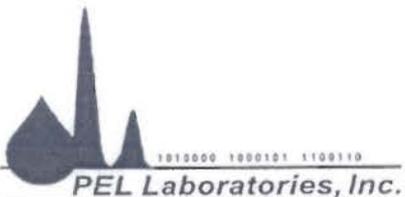
Photo 6 – Location of Soil Sample Collection Point 5 along West side tank wall.



Photo 7 – Trench corresponding to pipeline from the tank to the generator building with pipe removed. Four evenly spaced soil samples were collected along this trench.

APPENDIX B

Chain of Custody/FedEx Shipping Forms



Chain of Custody Record Record/Work Request

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

2303-2155

Company: CH2M HILL	Project Name/Number: 139322.RI.60	Page 1 of 2
Address: 4350 W. CYPRESS ST., SUITE 600	Project Manager: MARTY CLASEN	DEP Form #: 62-770.900(2)
Phone: 813-874-6522 Fax: 813-874-3056	Purchase Order:	Form Title: Chain of Custody Record

Print Names(s) / Affiliation: ERIK ISERN / CH2M HILL / TPA	Preservatives (see codes): I I I I	Project Name:
Sampler(s) Signature(s): 	Analyses Requested:	Sampling CompQAP No:

Item No.	Field ID No.	Sampled		Grab or Composite	Matrix (see codes)	Number of Containers	Analyses Requested				REMARKS	Lab. No.
		Date	Time				BTEX HTBE	DRO Naphtale ne	Pb			
	001	4/14/03	1225	G	SO	6	/	/	/	/		01
	002		1230				/	/	/	/		02
	003		1240				/	/	/	/		03
	004		1250				/	/	/	/		04
	005		1300				/	/	/	/		05
	005 MS		1300				/	/	/	/		06
	005 MSD		1300				/	/	/	/		07
	006		1315				/	/	/	/		08
	007		1405				/	/	/	/		09
Shipment Method						54	← Total Number of Containers					

Out: 4/14/03	Via: FEDEX	Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
Returned: 4/14/03	Via: FEDEX		CH2M HILL				04/15/03	10:00

Additional Comments:
**Temp upon receipt 5.0, 4.6C
pH < 2 (8.260, Metals)
ENCLOSURE**

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.
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MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

Letter of Acceptance

Customer Name: CH2M Hill
Date and Time Received: 4/15/03 10:00:00 AM
Date to be Reported: 5/6/03
Laboratory Submission Number/SDG: 2303215
Project: 139322.RI.60

Samples: The submission consisted of 16 samples with sample identification shown in the attached data tables.

Tests: The samples will be analyzed for EPA methods: 6010, 8015, 8260, 8270.

Sample Custody/COC discrepancies:

Sample containers were not received for 8260, 8015 DRO for sample AB as specified on the CoC. Sample containers were not received for Total Metals for sample ERB or AB as specified on the CoC. A Trip Blank was received but was not listed on the CoC.

Notes:

Per client request, PEL is to disregard Total Metals as listed on the CoC for sample ERB and AB. PEL is also to disregard the request for 8260 and 8015 DRO as stated on the CoC for sample AB. PEL will analyze the Trip Blank by 8260.

Distribution of Report to:

CH2M Hill
Attn: Marty Clasen
Phone: W (813)874-0777
F (813)874-3056

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level: 4

Total of: 59 analyses on 16 samples (including QC)

16-Apr-03

Report/SDG #: 2303215

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
001	230321501		SO	4/14/03 12:25:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
002	230321502		SO	4/14/03 12:30:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
003	230321503		SO	4/14/03 12:40:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
004	230321504		SO	4/14/03 12:50:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

Report/SDG #: 2303215

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
005	230321505		SO	4/14/03 1:00:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
005MS	230321506		SQ	4/14/03 1:00:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
005MSD	230321507		SQ	4/14/03 1:00:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
006	230321508		SO	4/14/03 1:15:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

Report/SDG #: 2303215

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
007	230321509		SO	4/14/03 2:05:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
FD1	230321510		SO	4/14/03	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
ERB	230321511		WQ	4/14/03 1:50:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
AB	230321512		WQ	4/14/03 2:00:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8270	GCMS semivolatile			8270	

Report/SDG #: 2303215

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
008	230321513		SO	4/14/03 2:15:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
009	230321514		SO	4/14/03 2:20:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
010	230321515		SO	4/14/03 2:25:00 PM	4/15/03 10:00:00 AM
Method					
6010	Metals			6010	
8015	DRO			8015	
8260	Volatile Organic Compounds			8260	
8270	GCMS semivolatile			8270	

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
Trip Blank	230321516		WQ	4/14/03 12:25:00 PM	4/15/03 10:00:00 AM
Method					
8260	Volatile Organic Compounds			8260	

Eric Battista

From: Brian Spann
Sent: Tuesday, April 15, 2003 4:57 PM
To: 'Clasen, Marty/TPA'; Sanders, Kevin/GNA
Cc: Project Managers
Subject: RE: Vieques

Thanks

-----Original Message-----

From: Clasen, Marty/TPA [mailto:mclasen@CH2M.com]
Sent: Tuesday, April 15, 2003 4:49 PM
To: Brian Spann; Sanders, Kevin/GNA
Cc: Project Managers
Subject: RE: Vieques

Brian,

I spoke with Erik and he said that they collected the soil samples with disposable plastic spoons, so there is no need for an equipment blank or ambient blank. The fifth column was for total metals, but we do not need to run the equipment blank and ambient blank.

Marty

-----Original Message-----

From: Brian Spann [mailto:bspann@PELAB.COM]
Sent: Tuesday, April 15, 2003 3:52 PM
To: Sanders, Kevin/GNA; Clasen, Marty/TPA
Cc: Project Managers
Subject: RE: Vieques

Kevin/Marty,

We have received the Vieques samples and have a discrepancy with the COC. (attached)
1- There were no samples received for the AB for tests BETX,DRO
2-We can not identify what test is being requested in the last column of page 2 (tot vrnt?) and we did not receive any samples for that test either. All test originally requested are present.

Please advise.

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